MEETING MATERIALS

February 4, 2015

San Jacinto River Authority

Region H Water Planning Group
10:00 AM Wednesday
February 4, 2015
San Jacinto River Authority Office
1577 Dam Site Rd, Conroe, Texas 77304

NOTICE TO PUBLIC

Notice of Amendments to the 2011 Region H Regional Water Plan

The Region H Water Planning Group will consider adoption of amendments to the 2011 Region H Water Plan as included in items 4 through 7 of the attached agenda. The first amendment will account for the expansion of existing off-channel reservoir and pump station infrastructure by Dow Chemical Company. A public hearing was held on December 10, 2014 to allow for public comment to this amendment, followed by a 30-day comment period. Written comments were accepted through January 12, 2015. The second amendment is deemed minor and will account for the addition of a reclaimed water supply for use by the customers of the Gulf Coast Water Authority. The proposed amendments to the Plan will be discussed and acted upon during a public meeting of the RHWPG.

Copies of the proposed amendments to the Regional Water Plan are available on the Region H website at *http://www.regionhwater.org/*. Oral comments on the proposed amendments may be received at the public meeting. Written comments from the public must be submitted to SJRA by February 18, 2015 for inclusion with the submitted amendment package. Comments can be submitted to SJRA as follows:

Jace Houston, General Manager
San Jacinto River Authority
Administrative Agent for Region H
P. O. Box 329
Conroe, Texas 77305-0329

For additional information, please contact:

- Region H, c/o Jace Houston, General Manager, SJRA, P. O. Box 329, Conroe, Texas 77305-0329, telephone 936-588-3111, and email info@regionHwater.org.

AGENDA

1. Introductions.
2. Review and approve minutes of November 5, 2014 meeting.
3. **Receive public comments on specific issues related to agenda items 4 through 18**. (Public comments limited to 3 minutes per speaker)
4. Receive presentation on and discuss proposal to amend the 2011 Region H Regional Water Plan related to proposed expansion of an off-channel reservoir and pump station by Dow Chemical Company.
5. Consider action to amend the 2011 Region H Regional Water Plan to revise water management strategies related to proposed expansion of an off-channel reservoir and pump station by Dow Chemical Company.
6. Receive presentation on and discuss proposal to amend the 2011 Region H Regional Water Plan related to proposed development of a system by Gulf Coast Water Authority to utilize reclaimed wastewater effluent from the City of Houston.

7. Consider action to amend the 2011 Region H Regional Water Plan to include water management strategies related to proposed development of a system by Gulf Coast Water Authority to utilize reclaimed wastewater effluent from the City of Houston.
8. Consider authorizing the San Jacinto River Authority to use funds from the Region H Local Contribution Account to pay for a single audit report on 2014 Region H expenses.
9. Consider authorizing the San Jacinto River Authority to use funds from the Region H Local Contribution Account to pay for renewal of Directors and Officers Liability Insurance for Region H Planning Group members.
10. Receive update from Consultant Team regarding the schedule and milestones for the development of the 2016 Region H Regional Water Plan.
11. Receive update from Consultant Team and Water Management Strategies Committee regarding status of the identification of needs and potential strategies for the 2016 Region H Regional Water Plan.
12. Receive presentation from Consultant Team on the status of ecologically unique stream segments, unique reservoir sites, and legislative recommendations
13. Receive presentation from Consultant Team on recommendations for the schedule of public meetings for presentation of the Initially Prepared Plan.
14. Consider and take action on approval of public meeting schedule for presentation of the Initially Prepared Plan.
15. Receive presentation from Consultant Team and Texas Water Development Board regarding the process for and preparation of an application for a Regional Water Planning Grant from the Texas Water Development Board for funding of the fifth round of regional water planning for Region H.
16. Discussion and possible action to authorize the San Jacinto River Authority to provide public notice and submit a grant application to TWDB on behalf of Region H for funding the fifth round of regional water planning.
17. Receive report regarding recent and upcoming activities related to communications and outreach efforts on behalf of the Region H Planning Group.
18. Agency communications and general information.
19. **Receive public comments**. (Public comments limited to 3 minutes per speaker)
20. Next Meeting: March 4, 2015.
21. Adjourn

Persons with disabilities who plan to attend this meeting and would like to request auxiliary aids or services are requested to contact Jodi Chaney at (936) 588-3111 at least three business days prior to the meeting so that appropriate arrangements can be made.

Agenda Item 2

Review and approve minutes of November 5th, 2014 meeting.

Agenda Item 4

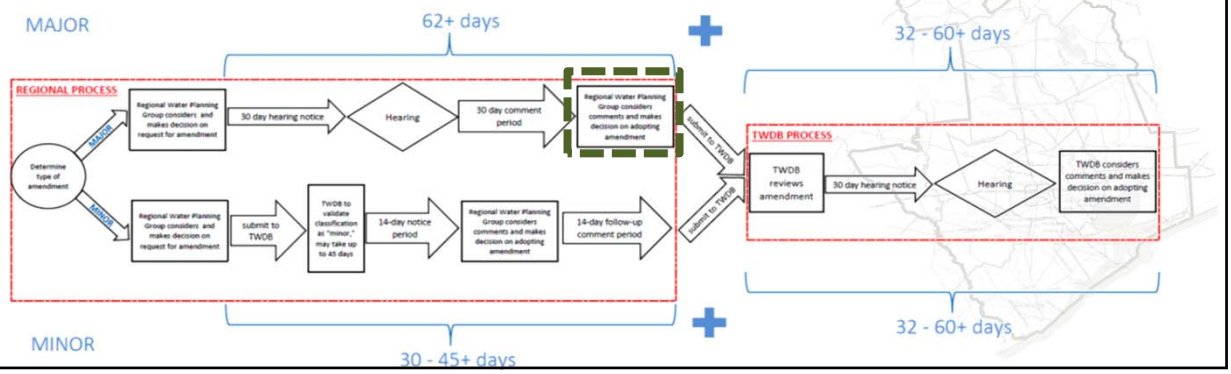
Receive presentation on and discuss proposal to amend the 2011 Region H Regional Water Plan related to proposed expansion of an off-channel reservoir and pump station by Dow Chemical Company.

Agenda Item 4
Dow Amendment

Receive presentation on and discuss proposal to amend the 2011 Region H Regional Water Plan related to proposed expansion of an off-channel reservoir and pump station by Dow Chemical Company.

Agenda Item 4
Dow Amendment

- Since November
  - Held public hearing (12/10)
  - Held public comment period (comments through 01/12)
  - Posted revised amendment package (Includes BWA amendment)



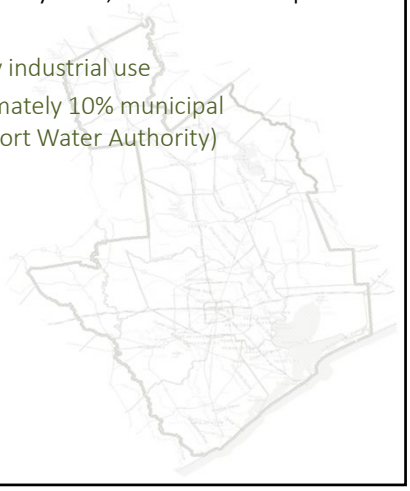
Agenda Item 4
Dow Amendment

- Amendment process
  - TODAY: Review proposed amendment and comments
  - TODAY: Consider action on amending 2011 RWP
  - Submit amendment package and comments to TWDB

Agenda Item 4
Dow Amendment

- Dow water supplies
  - Brazos River
    - 238,156 acre-feet per year
  - Harris and Brazoria Reservoirs
    - 31,900 acre-feet of storage authorized
  - Brazos River Authority Contract
    - 16,000 acre-feet per year (3-yr average)
      48,000 acre-feet per year (1-yr maximum)

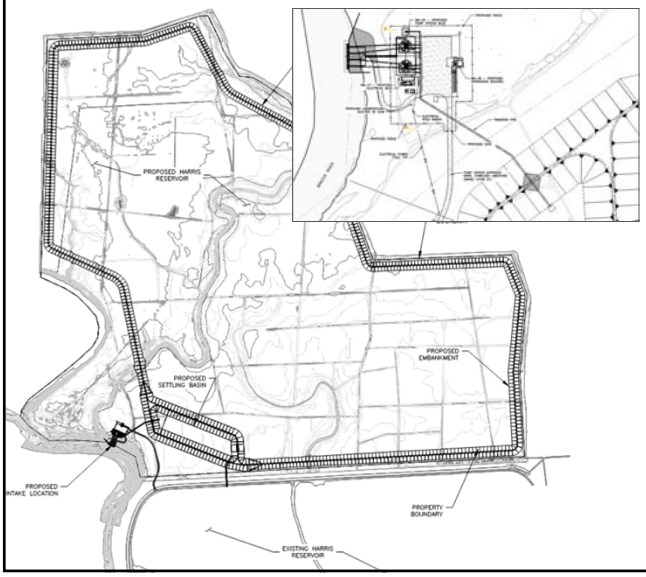
- Dow water demands
  - Approximately 145,000 acre-feet per year
    - Primarily industrial use
    - Approximately 10% municipal (Brazosport Water Authority)



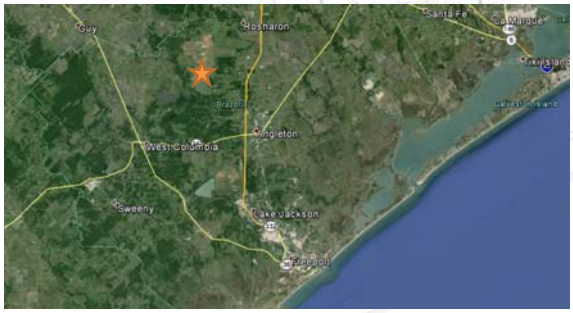
Agenda Item 4
Dow Amendment

- Issues affecting availability
  - Upstream diversions by junior rights
  - Seawater intrusion
  - Insufficient pump station capacity
  - Insufficient storage

Agenda Item 4
Dow Amendment



- Project status
  - 2012 – Land purchased from State of Texas
  - 2014 – Preliminary design completed
  - Permitting activities initiated



Agenda Item 4
Dow Amendment

	2011 Region H Plan	Proposed Amendment
Reservoir Capacity (ac-ft)	44,000	56,760
Pump Station Capacity (gpm)	201,000	200,000
Supply Benefit (ac-ft/yr)	21,800	80,000
Entities Supplied	Manufacturing	Manufacturing, Municipal
Total Cost	$124.47 million	$226.84 million
Annual Cost	$10.49 million	$20.48 million
Annual Unit Cost ($/ac-ft)	$481	$256

Agenda Item 4
Dow Amendment

- 2011 RWP amendment package
  - Revisions to Executive Summary
  - Revisions to Chapter 4
    - Appendix 4A supply allocation tables
    - Appendix 4C cost tables
  - Revised technical memorandum
    - Dow Off-Channel Reservoir and Pump Station Expansion
  - DB12 database entries
  - Summary of comments received
    - None

REGION H WATER PLANNING GROUP
Senate Bill 1 - Texas Water Development Board
c/o San Jacinto River Authority
P. O. Box 329, Conroe, Texas 77305
Telephone 936-588-3111

TO:

- Each mayor of a municipality with a population of 1,000 or more or which is a county seat that is located in whole or in part in the Region H water planning area;
- Each county judge of a county located in whole or in part in the Region H water planning area;
- Each special or general law district or river authority with responsibility to manage or supply water in the Region H water planning area based upon lists of such water districts and river authorities obtained from Texas Commission on Environmental Quality;
- Each retail public utility, defined as a community water system, that serves any part of the Region H water planning area or receives water from the Region H water planning area based upon lists of such entities obtained from Texas Commission on Environmental Quality; and
- Each holder of record of a water right for the use of surface water the diversion of which occurs in the Region H water planning area based upon lists of such water rights holders obtained from Texas Commission on Environmental Quality.
- RHWPG Members, alternates, and interested parties.

RE: **Public Notice of an *Amendment to the 2011 Region H Water Plan***

DATE: November 9, 2014

PUBLIC NOTICE

To All Interested Parties:

The Region H Water Planning Group area includes all or part of the following counties: Austin, Brazoria, Chambers, Fort Bend, Galveston, Harris, Leon, Liberty, Madison, Montgomery, Polk, San Jacinto, Trinity, Walker, and Waller.

Notice is hereby given that the Region H Water Planning Group (RHWPG) is requesting public review and comment on an Amendment to the 2011Region H Water Plan.

A summary of the content of the Proposed Amendment to the Plan: The Proposed Amendment changes a water management strategy that was included in the 2011 Region H Water Plan. Dow Chemical Company proposes to expand a reservoir and pump station that services its facility in Brazoria County. This proposed reservoir expansion creates 80,000 acre-feet per year in firm supply by increasing the storage associated with an existing Dow water right in the Brazos River.

Public Comment: A public hearing to receive public comments on the proposed amendment will be held at **2:00 p.m. on December 10, 2014** at the San Jacinto River Authority, 1577 Dam Site Road, Conroe, Texas 77304. Persons with disabilities who plan to attend this meeting and would like to

request auxiliary aids or services are requested to contact Jodi Chaney at (936) 588-3111 at least three business days prior to the meeting so that appropriate arrangements can be made.

The RHWPG will accept written comments until 5:00 p.m. January 12, 2015. Written comments should be provided to:

Hon. Mark Evans
Chair, RHWPG
c/o San Jacinto River Authority
P.O. Box 329
Conroe, Texas 77305-0329

Questions or requests for additional information may be submitted to: Jace Houston, General Manager, San Jacinto River Authority, P.O. Box 329, Conroe, TX 77305-0329, telephone 936-588-3111 or by email to info@regionHwater.org. The San Jacinto River Authority is the Administrator for the RHWPG.

A copy of the Proposed Amendment to the 2011 Plan is available at the County Clerk's Office and at a depository library in each county in Region H. A list of depositories is attached***.*** A copy also is available on the RHWPG website at www.regionhwater.org.

REGION H DEPOSITORY LIBRARIES AND COUNTY CLERKS

AUSTIN COUNTY
Gordon Library
917 Circle Drive
Sealy, TX 77474

AUSTIN COUNTY
County Clerk
County Courthouse
1 East Main
Bellville, TX 77418

BRAZORIA COUNTY
Angleton Public Library
401 East Cedar
Angleton, TX 77515

BRAZORIA COUNTY
County Clerk
County Courthouse
1524 East Mulberry (Highway 35)
Room 152
Angleton, TX 77515

CHAMBERS COUNTY
Chambers County Library
– Main Branch
202 Cummings
Anahuac, TX 77514

CHAMBERS COUNTY
County Clerk
County Courthouse
404 Washington Avenue
Anahuac, TX 77514

FORT BEND COUNTY
George Memorial Library
1001 Golfview
Richmond, TX 77469

FORT BEND COUNTY
County Clerk
301 Jackson (corner Jackson and 3rd)
Richmond, TX 77469

GALVESTON COUNTY
Rosenberg Library
2310 Sealy
Galveston, TX 77550

GALVESTON COUNTY
County Clerk
600 59th Street, Suite 2001 (2nd floor)
Galveston, TX 77550

HARRIS COUNTY
Houston Public Library – Central
1st Floor, Bibliographic Information Center
500 McKinney
Houston, TX 77002

HARRIS COUNTY
County Clerk
County Civil Courthouse
201 Caroline, Suite 330
Houston, TX 77002

LEON COUNTY
Ward Memorial Library
207 East St. Mary's
Centerville, TX 75833

LEON COUNTY
County Clerk
Leon County Courthouse
155 North Cass
Centerville, TX 75833

LIBERTY COUNTY
Sam Houston Regional Library
and Research Center
650 FM1011
Liberty, TX 77575

LIBERTY COUNTY
County Clerk
County Courthouse
1923 Sam Houston, Room 209
Liberty, TX 77575

MADISON COUNTY
Madison County Library
605 South May
Madisonville, TX 77864

MONTGOMERY COUNTY
Montgomery County Central Library
104 Interstate 45 North
Conroe, TX 77301

POLK COUNTY
Murphy Memorial Library
601 West Church
Livingston, TX 77351

SAN JACINTO COUNTY
Coldspring Area Public Library
14221 State Highway 150 West
Coldspring, TX 77331

TRINITY COUNTY
Blanche K. Werner Library
203 Prospect Drive
Trinity, TX 75862

WALKER COUNTY
Huntsville Public Library
1216 – 14th Street
Huntsville, TX 77340

WALLER COUNTY
Waller County Library -
Brookshire/Pattison
3815 Sixth Street
Brookshire, TX 77423

MADISON COUNTY
County Clerk
101 West Main, Room 102
Madisonville, TX 77864

MONTGOMERY COUNTY
County Clerk
210 West Davis (Highway 105), Suite 103
Conroe, TX 77301

POLK COUNTY
County Clerk
County Courthouse
101 West Church, Suite 100
Livingston, TX 77351

SAN JACINTO COUNTY
County Clerk
County Courthouse
#1 Highway 150, Room 2
Coldspring, TX 77331

TRINITY COUNTY
County Clerk
109 South Main
(across form County Courthouse)
Groveton, TX 75845

WALKER COUNTY
County Clerk
County Courthouse
1100 University Avenue, Room 201
Huntsville, TX 77340

WALLER COUNTY
County Clerk
County Courthouse
836 Austin Street, Room 217
Hempstead, TX 77445

MAJOR AMENDMENT TO THE 2011 REGION H REGIONAL WATER PLAN

Dow Chemical Company

Attachment	Description
A	Amended excerpts from Executive Summary including Tables ES-7 and ES-8.
B	Amended excerpts from Chapter 4: Identification, Evaluation and Selection of Water Management Strategies Based on Needs
C	Amended Table 4A-3: Water Management Strategy Screening
D	Amended Table 4A-4: Water Management Strategy Environmental Impacts
E	Amended Table 4A-5: Recommended WMS by County
F	Amended Table 4A-6: Decadal WMS Summary
G	Amended Table 4A-7: WMS Supply Allocations by WUG
H	Amended Table 4A-8: WUG-Level Contracts
I	Revised Technical Memorandum 4B-47 (Dow Off-Channel Reservoir and Pump Station Expansion)
J	Amended Table 4C-1: WWP-Level Project Costs
K	Amended Table 4C-2: WUG-Level Project Costs
L	Summary of database entries anticipated for DB12
M	Comments received regarding proposed amendment

Attachment A:

Amended excerpts from Executive Summary including Tables ES-7 and ES-8

- **River Plantation MUD**
- **San Jacinto River Authority WRAP**
- **Sugar Land**
- **West Harris County Regional Water Authority**

Reservoir Strategies

- **Allen's Creek Reservoir** – This proposed reservoir creates 99,650 ac-ft/yr of supplies for the City of Houston and the Brazos River Authority.
- **Brazoria County Off-Channel Reservoir** – This proposed reservoir creates 24,000 ac-ft/yr of firm supply for manufacturing demands in Brazoria County.
- **Dow Off-Channel Reservoir and Pump Station Expansion** – This proposed reservoir expansion creates 80,000 ac-ft/yr in firm supply by increasing the storage associated with an existing Dow water right.
- **Fort Bend Off**-Channel Reservoir – This proposed reservoir creates 46,000 ac-ft/yr of firm supply for municipal and industrial demands in Fort Bend County
- **GCWA Off-Channel Reservoir** – This proposed reservoir creates 39,500 ac-ft/yr of firm supply for manufacturing use served by GCWA. This reservoir uses existing water rights with surplus interruptible supply to produce this firm yield.

Reuse Strategies

- **Fulshear Reuse** – Development of a direct reuse project for the City of Fulshear and surrounding utilities.
- **Houston Indirect Wastewater Reuse**—The City of Houston has applied for a water right permit to indirectly reuse up to 580,900 ac-ft/yr of wastewater discharges. A portion of that is recommended for direct reuse to industry.
- **Montgomery County MUD 8/9 Reuse** – Indirect reuse project for potable water by districts along Lake Conroe in Montgomery County.
- **NHCRWA Indirect Wastewater Reuse** –The North Harris County Regional Water Authority has the potential to indirectly reuse up to 126,000 ac-ft/yr of wastewater discharges.
- **Wastewater Reclamation for Industry** –This strategy proposes that 67,200 ac-ft/yr of Houston's municipal wastewater be treated and directly reused by industries along the Houston Ship Channel.
- **Wastewater Reclamation for Municipal Irrigation** – This strategy anticipates the development of direct reuse project incorporated into new community growth in the rapidly-developing counties of Region H.

Permit Strategies

- **Brazos River Authority System Operations** –The Brazos River Authority has applied for a water right that permits existing additional yield within their reservoirs, and new yield that can be achieved through operation of their reservoirs as a basin-wide system. Approximately 25,350 ac-ft/yr of this water will be available for customers in Region H.

NFBWA Internal Distribution	106,402	$225,000,000	N/A	2020
NFBWA Shared Transmission Line	71,876	$213,000,000	N/A	2020
NHCRWA Internal 2010 Distribution	34,714	$153,149,640	N/A	2010
NHCRWA Internal 2020 Distribution	91,167	$345,292,192	N/A	2020
NHCRWA Internal 2030 Distribution	117,755	$37,439,584	N/A	2030
NHCRWA Transmission 2010	34,714	$80,690,624	N/A	2010
NHCRWA Transmission 2020	91,167	$172,558,512	N/A	2020
NHCRWA Transmission 2030	117,755	$0	N/A	2030
Pearland SWTP	13,420	$0	$265,000,000	TBD
Sealy GW Treatment Expansion	888	$0	$6,450,000	2020
WHCRWA Internal Distribution	78,839	$552,472,000	N/A	2010
WHCRWA Transmission Line	78,839	$290,084,193	N/A	2010
Reservoir Strategies:				
Allens Creek Reservoir	99,650	$222,752,400	See Contracts	2020
Brazoria County Off-channel Reservoir	24,100	$173,898,602	See Contracts	2060
Dow Off-channel Reservoir and Pump Station Expansion	80,000	$226,837,000	See Contracts	2020
Fort Bend County Off-channel Reservoir	46,000	$202,514,788	See Contracts	2050
GCWA Off-channel Reservoir	39,500	$197,448,012	See Contracts	2030
Reuse Strategies:				
Fulshear Reuse	430	$0	$566,625	TBD
Houston Indirect Reuse	128,801	$0	$721,822,850	2040
Montgomery MUD 8/9 Indirect Reuse	1,120	$0	$12,245,687	2016
NHCRWA Indirect Reuse	16,300	$0	$66,778,694	2040
Wastewater Reuse for Industry	67,200	$332,051,761	$0	2060
Wastewater Reclamation for Mun. Irrigation	36,388	$0	$48,043,249	2030
Permit Strategies:				
BRA System Operations Permit	25,400	TBD	See Contracts	2020
Houston Bayous Permit*	0	$20,956,000	$0	2020
Other Strategies:				
Brazoria Co. Interruptible Supplies for Irr.	104,977	$0	$0	2010
Freeport Desalination Plant	33,600	$255,699,000	See Contracts	2050
Brazos Saltwater Barrier	N/A	$44,470,739	$0	2030

1. WUG-level costs for a number of WMS are indicated as “See Contracts”. The WUG-level costs for these strategies will be infrastructure costs associated with implementing *future* contracts from WWPs. For simplification, these costs are collectively represented under the “WUG-Level Contracts” WMS, as common infrastructure from a WUG may treat or transmit water from multiple WMS.
2. Yield value includes surface water transmission volume and is therefore not additional yield.
3. Includes supply volume of TRA to SJRA Contract
4. The Houston Bayous Permit has not yet been approved by TCEQ.

Table ES-8
Recommended Water Management Strategies by County (in ac-ft/yr)

	2010	2020	2030	2040	2050	2060
Austin						
Initial Shortage	0	-739	-1,240	-1,496	-1,635	-1,865
Expanded GW	0	739	1,240	1,496	1,635	1,865
Municipal Conservation	0	223	251	265	273	285
Contract Expansions	0	0	0	0	0	0
Net Shortage	0	223	251	265	273	285
Brazoria						
Initial Shortage	-150,907	-186,760	-211,634	-238,588	-266,405	-299,199
Expanded GW	0	4,049	12,988	13,515	15,658	16,209
Municipal Conservation	1,476	2,610	2,978	3,249	3,567	3,918
Contract Expansions	7,750	7,750	7,750	7,750	7,750	7,750
Net Shortage	-141,681	-172,351	-187,918	-214,074	-239,430	-271,322
Irrigation Conservation	18,792	18,792	18,792	18,792	18,792	18,792
Wastewater Reclamation for Mun. Irrigation	0	0	116	227	344	465
Brazoria Co. Interruptible Supplies for Irr.	98,189	86,759	64,000	64,000	64,000	64,000
Reallocate Existing Supply	13,694	13,694	13,895	13,988	14,019	13,694
Interim Strategies	24,916	0	0	0	0	0
GCWA Offchannel Reservoir	0	0	39,500	39,500	39,500	39,500
Allens Creek Lake/Reservoir	0	45,277	41,779	66,665	58,092	66,196
BRA System Operations Permit	0	3,010	3,010	3,010	3,010	3,010
Brazoria OCR	0	0	0	0	0	24,000
Freeport Desalination Plant	0	0	0	0	33,600	33,600
Dow Off-channel Reservoir and Pump Station Expansion	0	80,000	80,000	80,000	80,000	80,000
New Groundwater Wells for Livestock	0	27	27	27	27	27
BWA Brackish Groundwater	0	3,136	3,136	3,136	3,136	3,136
Total after Recommendations	13,910	78,344	76,337	75,271	75,090	75,098
Chambers						
Initial Shortage	-42,520	-47,412	-50,831	-54,251	-57,612	-61,065
Expanded GW	0	577	681	796	905	1,010
Municipal Conservation	137	195	219	239	263	291
Contract Expansions	0	0	0	0	0	0
Net Shortage	-42,383	-46,640	-49,931	-53,216	-56,444	-59,764
Irrigation Conservation	24,018	24,018	24,018	24,018	24,018	24,018
CLCND W Chambers System	0	1,691	1,978	2,235	2,511	2,804
Reallocate Existing Supply	21,010	21,264	21,389	21,509	21,627	21,725
Interim Strategies	903	0	0	0	0	0
New Contract from Existing Supply	13,823	17,083	19,972	22,888	25,732	28,672
Total after Recommendations[1]	17,371	17,416	17,426	17,434	17,444	17,455
Fort Bend						
Initial Shortage	-86	-11,410	-52,608	-84,380	-123,623	-178,948
Expanded GW	0	6,886	3,423	3,813	4,378	5,052
Municipal Conservation	1,435	7,077	10,277	12,253	14,678	17,497
Contract Expansions	0	367	1,295	1,226	1,225	1,016
Net Shortage	1,349	2,920	-37,613	-67,088	-103,342	-155,383
Irrigation Conservation	5,197	5,197	5,197	5,197	5,197	5,197
WHCRWA GRP	0	0	0	0	0	0

Attachment B:

Amended excerpts from Chapter 4: Identification, Evaluation and Selection of Water Management Strategies Based on Needs

- WWP Contracts

Groundwater Strategies

- Expanded Use of Groundwater
- Interim Strategies
- New Groundwater Wells for Livestock

Groundwater Reduction Plans

- CHCRWA GRP (see CHCRWA Transmission)
- City of Houston GRP (see COH Treatment Expansion)
- City of Missouri City GRP
- Fort Bend MUD 25 GRP
- Fort Bend WCID 2 GRP
- NFBWA GRP (see NFBWA Transmission)
- NHCRWA GRP (see NHCRWA Transmission)
- Pecan Grove GRP
- Richmond/Rosenberg GRP
- River Plantation GRP
- SJRA WRAP
- Sugar Land GRP
- WHCRWA GRP (see WHCRWA Transmission)

Reservoir Strategies:

- Allens Creek Reservoir
- Brazoria County Off-Channel Reservoir
- Dow Off-Channel Reservoir and Pump Station Expansion
- Fort Bend County Off-Channel Reservoir
- GCWA Off-channel Reservoir
- Millican Reservoir
- Little River Off-Channel Reservoir
- Other Potential Reservoirs

Reuse Strategies:

- Fulshear Reuse
- Houston Indirect Reuse
- Montgomery County MUD 8/9 Indirect Reuse

Huntsville WTP	11,200	$61,023,906	$0	2010
LLWSSSC Surface Water Project	954	$0	$3,087,974	2010
Luce Bayou Transfer	450,000	$253,916,914	$0	2020
NFBWA Internal Distribution	106,402	$225,000,000	N/A	2020
NFBWA Shared Transmission Line	71,876	$213,000,000	N/A	2020
NHCRWA Internal 2010 Distribution	34,714	$153,149,640	N/A	2010
NHCRWA Internal 2020 Distribution	91,167	$345,292,192	N/A	2020
NHCRWA Internal 2030 Distribution	117,755	$37,439,584	N/A	2030
NHCRWA Transmission 2010	34,714	$80,690,624	N/A	2010
NHCRWA Transmission 2020	91,167	$172,558,512	N/A	2020
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Pearland SWTP	13,420	$0	$265,000,000	TBD
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WHCRWA Internal Distribution	78,839	$552,472,000	N/A	2010
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Brazoria County Off-channel Reservoir	24,100	$173,898,602	See Contracts	2060
Dow Off-channel Reservoir and Pump Station Expansion	80,000	$226,837,000	See Contracts	2020
Fort Bend County Off-channel Reservoir	46,000	$202,514,788	See Contracts	2050
GCWA Off-channel Reservoir	39,500	$197,448,012	See Contracts	2030
Reuse Strategies:				
Fulshear Reuse	430	$0	$566,625	TBD
Houston Indirect Reuse	128,801	$0	$721,822,850	2040
Montgomery MUD 8/9 Indirect Reuse	1,120	$0	$12,245,687	2016
NHCRWA Indirect Reuse	16,300	$0	$66,778,694	2040
Wastewater Reuse for Industry	67,200	$332,051,761	$0	2060
Wastewater Reclamation for Mun. Irrigation	36,388	$0	$48,043,249	2030
Permit Strategies:				
BRA System Operations Permit	25,400	TBD	See Contracts	2020
Houston Bayous Permit*	0	$20,956,000	$0	2020
Other Strategies:				
Brazoria Co. Interruptible Supplies for Irr.	104,977	$0	$0	2010
Freeport Desalination Plant	33,600	$255,699,000	See Contracts	2050
Brazos Saltwater Barrier	N/A	$44,470,739	$0	2030

1. WUG-level costs for a number of WMS are indicated as “See Contracts”. The WUG-level costs for these strategies will be infrastructure costs associated with implementing *future* contracts from WWPs. For simplification, these costs are collectively represented under the “WUG-Level Contracts” WMS, as common infrastructure from a WUG may treat or transmit water from multiple WMS.
2. Yield value includes surface water transmission volume and is therefore not additional yield.
3. Includes supply volume of TRA to SJRA Contract
4. The Houston Bayous Permit has not yet been approved by TCEQ.

Attachment C:

Amended Table 4A-3: Water Management Strategy Screening

Region H
Table 4A-3: Water Management Strategy Screening

Water Management Strategy	Water User Group or Wholesale Provider	Strategy Description	Strategy Capital Cost ($)	Average Annual Cost of Water ($/ac-ft)	Major WMS	Earliest Potential Starting Decade	Firm Yield (ac-ft/yr)	Basin	Interbasin Transfer (Yes/No)	Impacts on Habitat / Stream / B&E Flows	Impacts on Landform	Decision Matrix Factors (High, Medium, Low): Cost	Yield	Location	Water Quality	Environment	Local Preference	Institutional Constraints / Risk of Implementability	Impacts on Water Resources	Impacts on Other Management Strategies		Total of Screening Factors	Selected as Part of 2001 Plan	Selected as Part of 2006 Plan
Screening Factor Weight:												1	1	1	1	1	1	1	1	1				
Conservation Strategies																								
Industrial Conservation	Manufacturing	Reduce water demand through selected BMPs	TBD	TBD		2010	TBD	All	No	No impact	None	0	0	1	0	0	0	1	0	1		3	No	No
Irrigation Conservation																								
Brazoria County	Irrigation	Reduce irrigation losses through land leveling, point irrigation and canal lining	$1,850,200 annual cost, on-farm methods $198,200 capital cost, canal lining	$99		2010	18,792	Brazos, Brazos-Colorado	No	Reduces losses that feed small streams	None	1	1	1	0	0	0	1	0	1		5	Yes	Yes
Chambers County	Irrigation	Reduce irrigation losses through land leveling, point irrigation and canal lining	$2,336,300 annual cost, on-farm methods $279,200 capital cost, canal lining	$98		2010	24,018	Trinity	No	Reduces losses that feed small streams	None	1	1	1	0	0	0	1	0	1		5	Yes	Yes
Fort Bend County	Irrigation	Reduce irrigation losses through land leveling, point irrigation and canal lining	$509,900 annual cost, on-farm methods $56,500 capital cost, canal lining	$99		2010	5,198	Brazos, Brazos-Colorado, San Jacinto-Brazos	No	Reduces losses that feed small streams	None	1	1	1	0	0	0	1	0	1		5	Yes	Yes
Galveston County	Irrigation	Reduce irrigation losses through land leveling, point irrigation and canal lining	$231,100 annual cost, on-farm methods $29,400 capital cost, canal lining	$98		2010	2,392	San Jacinto - Brazos	No	Reduces losses that feed small streams	None	1	1	1	0	0	0	1	0	1		5	Yes	Yes
Liberty County	Irrigation	Reduce irrigation losses through land leveling, point irrigation and canal lining	$2,089,800 annual cost, on-farm methods i $188,700 capital cost, canal lining	$100		2010	20,877	Trinity	No	Reduces losses that feed small streams	None	1	1	1	0	0	0	1	0	1		5	Yes	Yes
Waller County	Irrigation	Reduce irrigation losses through land leveling, point irrigation	$726,700 annual cost, on-farm methods	$110		2050	6,606	San Jacinto	No	Reduces losses that feed small streams	None	1	1	1	0	0	0	1	0	1		5	Yes	Yes
Municipal Conservation	Multiple	Reduce demand through various methods	From $9.9 to $22.8 million for allWUGs collectively	$202 (Sm Sys) $311 (Med Sys) $213 (Lg Sys)		2010	From 45,605 to 105,494	All	No	No impact	None	0	1	1	0	0	1	1	0	1		5	Yes	Yes
Contractual Strategies																								
Expand/ Increase Current Contracts	Multiple	Increase existing contracts to meet customer demands	At WUG level	System Rate		2010	Varies by contract. No new supply created	Multiple	Yes	Reduced streamflows due to use of currently unused supplies	None	1	0	1	0	0	1	1	0	1		5	Yes	Yes
New Contracts from Existing Supply	Multiple	Create new contracts from existing unallocated supplies	At WUG level	System Rate		2010	Varies by contract. No new supply created	Multiple	Yes	Reduced streamflows due to use of currently unused supplies	None	1	0	1	0	0	1	1	0	1		5		Yes
Reallocation of Existing Supply	Multiple	Reallocate surplus water to WUGs with shortages	At WUG level	System Rate		2010	Varies by contract. No new supply created	Multiple	Yes	Altered location of return flows	None	1	0	1	0	0	1	1	0	1		5	No	No
TRA to SJRA contract	TRA / SJRA	Sell uncommitted supply to SJRA.	$302,781,597	$687	Y	2040	76,476	Trinity to San Jacinto	Yes	Potential introduction of invasive species	Requires construction of new conveyance	0	1	0	0	0	0	0	-1	0		0	No	Yes
TRA to Houston Contract	TRA / Houston	Sell uncommitted supply to Houston	None - Infrastructure cost already reflected under Luce Bayou WMS	None - Infrastructure cost already reflected under Luce Bayou WMS	Y	2030	123,524	Trinity to San Jacinto	Yes	Potential introduction of invasive species via Luce Bayou conveyance.	Unknown	1	1	0	0	0	1	1	-1	0		3	Yes	Yes
WUG Level Contracts	Multiple WUGs	Contracts from WWPs to WUGs. Includes contracts for volumes created under other yield-producing WMS	WUG-specific infrastructure	Contract Rate		2010	Varies by contract. No new supply created	All	Yes (source-dependent)	None - impacts associated with yield-creating WMS or infrastructure	None	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA
WWP Contracts	Multiple WWPs	Contracts between WWPs. Includes contracts for volumes created under other yield-producing WMS	N/A - cost associated with WWP infrastructure projects	Contract Rate		2010	Varies by contract. No new supply created	All	Yes (source-dependent)	None - impacts associated with yield-creating WMS or infrastructure	None	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA
Groundwater Strategies																								
Expanded Use of Groundwater	Multiple	Increase groundwater use, to the sustainable or permitted yield.	$589,500 per 1 mgd well. $165,928,999 total capital cost for WUG infrastructure	$205		2010	90,617	All	No	Uses existing supply, return flows remain in basin of origin.	New wells may require some land clearing.	0	1	1	1	0	1	0	0	0		4	Yes	
Interim Strategies	Brazoria, Chambers, Galveston, Harris, and Montgomery Counties	Temporary groundwater use in excess of available supply	$589,500 per 1 mgd well. $86,701,535 total capital cost for WUG infrastructure	$788	Y	2010	NA - temporary use of 45,512 ac-fy/yr	Multiple	No	Potential for subsidence and excess drawdown	New wells may require some land clearing.	1	1	1	0	-1	1	0	1	0		4	No	No
New Groundwater Wells for Livestock	Multiple	Added well capacity to facilitate expaned pumping or interim groundwater use	$18,635	$37		2010	41	San Jacinto-Brazos, Neches-Trinity	No	None - impacts associated with yield-creating WMS or infrastructure	New wells may require some land clearing.	0	NA	1	1	0	1	0	0	0		3	No	Yes
Groundwater Reduction Plans																								
CHCRWA GRP	CHCRWA	Conversion of CHCRWA to surface water.	TBD	TBD		2010	NA	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion		0	1	0	0	1	0	0			2	No	No

Region H
Table 4A-3: Water Management Strategy Screening

Water Management Strategy	Water User Group or Wholesale Provider	Strategy Description	Strategy Capital Cost ($)	Average Annual Cost of Water ($/ac-ft)	Major WMS	Earliest Potential Starting Decade	Firm Yield (ac-ft/yr)	Basin	Interbasin Transfer (Yes/No)	Impacts on Habitat / Stream / B&E Flows	Impacts on Landform	Decision Matrix Factors (High, Medium, Low): Cost	Yield	Location	Water Quality	Environment	Local Preference	Institutional Constraints / Risk of Implementability	Impacts on Water Resources	Impacts on Other Management Strategies		Total of Screening Factors	Selected as Part of 2001 Plan	Selected as Part of 2006 Plan
Screening Factor Weight:												1	1	1	1	1	1	1	1	1				
COH GRP	COH	Conversion of portions of COH service area to surface water	See COH Treatment Expansion and Distribution Expansion	See COH Treatment Expansion and Distribution Expansion		2010	NA	Multiple		Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion		0	1	0	0	1	0	0				No	No
Missouri City GRP	Missouri City	Conversion of Missouri City and surrounding area to surface water. Also includes Aquifer Storage and Recovery.	$92,070,990 capital cost to WWP, $8,397,800 infrastructure cost to participating WUGs	$378 per ac-ft (WWP cost only - excludes infrastructure cost of customer WUGs / GRP participation)		2020 (2013)	4,790 (new supply from reuse + ASR)	Brazos, San Jacinto-Brazos	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	-1	0	1	0	0	1	0	0			1	No	No
Fort Bend County MUD 25 GRP	Fort Bend MUD 25	A combination of reuse and surface water to allow for groundwater reduction.	$766,100 capital cost (estimated as $564 per acre-foot construction cost based on Wastewater Reuse for Municipal Irrigation WMS).	$499 for infrastructure - does not include customer contract rate		2020 (2013)	589 (Reuse)	Brazos	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	-1	0	1	0	0	1	0	0			1	No	No
Fort Bend County WCID No. 2 GRP	Fort Bend County WCID No. 2	Surface water conversion	$24,828,857	$353		2020 (2013)	NA	San Jacinto, San Jacinto-Brazos	No	Potential disturbance due to construction.	due to transmission line construction. Land required for plant	-1	0	1	0	0	1	0	0			1	No	No
NFBWA GRP	NFBWA	Conversion of NFBWA to surface water. Also includes reuse and major water supply infrastructure.	$1,638,000 infrastructure cost to WUGS. WWP infrastructure detailed seperately.	See inf. Cost		2020 (2013)	NA	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion		0	1	0	0	1	0	0	0		2	No	No
NHCRWA GRP	NHCRWA	Conversion of NHCRWA to surface water. Also includes major water supply infrastructure.	$17,814,600 infrastructure cost to WUGS. WWP infrastructure detailed seperately.	See inf. Cost		2010	NA	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion		0	1	0	0	1	0	0	0		2	No	Yes
Pecan Grove GRP	Pecan Grove	Conversion of Pecan Grove to surface water. Also includes reuse	$15,960,000	$865		2020 (2013)	NA	Brazos, San Jacinto-Brazos	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	-1	0	1	0	0	1	0	0			1	No	No
Richmond-Rosenberg GRP	Richmond, Rosenberg	Conversion of Richmond-Rosenberg to surface water.	$117,220,150 capital cost for WWP	NA - existing contract		2020 (2015)	NA	Brazos	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion		0	1	0	0	1	0	0			2	No	No
River Plantation GRP	River Plantation	Entering into GRP with River Plantation CC golf course to provide additional WWTP effluent for irrigation purposes	$484,926	495		2010	NA	San Jacinto	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	0	0	1	0	0	1	0	0			2	No	No
SJRA WRAP	Montgomery County	Conversion of Montgomery County to surface water. Also includes reuse and major water supply infrastructure.	$900,000,000 capital cost for WWP. $217,856,853 infrastructure cost for participating WUGs.	$649. (WWP cost only - excludes infrastructure cost of customer WUGs / GRP participation)		2020 (2015)	NA	San Jacinto	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	-1	0	1	0	0	1	0	0	0		1	No	No
Sugar Land GRP	Sugar Land	Conversion of Sugar Land and surrounding area to surface water. Also includes reuse.	$161,360,000 capital cost for WWP. $6,360,100 infrastructure cost for participating WUGs.	$1,234. (WWP cost only - excludes infrastructure cost of customer WUGs / GRP participation)		2020 (2013)	NA	Brazos, San Jacinto-Brazos	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	-1	0	1	0	0	1	0	0	0		1	No	No
WHCRWA GRP	WHCRWA	Conversion of WHCRWA to surface water. Also includes reuse and major water supply infrastructure.	$35,269,000 infrastructure cost for participating WUGs. WWP infrastructure detailed seperately.	See WHCRWA Transmission and WHCRWA Internal Distribution.		2010	NA	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion		0	1	0	0	1	0	0	0		2		Yes
Infrastructure Strategies																								
BWA Brackish Groundwater	BWA	Desalinate of brackish groundwater from Gulf Coast Aquifer to enhance the yield of surface water sources in use in the lower Brazos River Basin.	$30,570,395	$390-594		2020	3,136	Multiple	No	Increased return flows form groundwater development and RO concentrate.	Limited disturbance outside of existing plant area.	-1	0	1	0	0	1	0	1	0		2	No	No
BWA Plant Expansion	BWA	Expansion of BWA's conventional SWTP to enhance the yield of surface water sources in use in the lower Brazos River Basin.	$14,359,419	$432		2020	NA	Multiple	No	Potential disturbance due to construction.	No disturbance outside of existing plant area.	-1	0	1	0	0	1	1	0	0		2	No	No
CHCRWA Transmission	CHCRWA	Transmission capacity development	TBD	TBD		2010	NA	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant		0	1	0	0	1	0	0			2	No	No
CHCRWA Distribution	CHCRWA	Distribution capacity development	TBD	TBD		2010	NA	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant		0	1	0	0	1	0	0			2	No	No
NFBWA Shared Transmission Line	NFBWA	Transmission capacity development	$213,000,000 capital cost	$150		2020 (2013)	NA	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	0	0	1	0	0	1	0	0	0		2	No	No

Region H
Table 4A-3: Water Management Strategy Screening

Water Management Strategy	Water User Group or Wholesale Provider	Strategy Description	Strategy Capital Cost ($)	Average Annual Cost of Water ($/ac-ft)	Major WMS	Earliest Potential Starting Decade	Firm Yield (ac-ft/yr)	Basin	Interbasin Transfer (Yes/No)	Impacts on Habitat / Stream / B&E Flows	Impacts on Landform	Decision Matrix Factors (High, Medium, Low): Cost	Yield	Location	Water Quality	Environment	Local Preference	Institutional Constraints / Risk of Implementability	Impacts on Water Resources	Impacts on Other Management Strategies		Total of Screening Factors	Selected as Part of 2001 Plan	Selected as Part of 2006 Plan
Screening Factor Weight:												1	1	1	1	1	1	1	1	1				
NFBWA Internal Distribution	NFBWA	Distribution capacity development	$225,000,000 capital cost	$85		2020 (2013)	NA	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	1	0	1	0	0	1	0	0	0		3	No	No
NHCRWA Transmission	NHCRWA	Transmission capacity development	$253,249,100 capital cost	$106		2010	NA	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	due to transmission line construction. Land required for plant construction/expansion	0	0	1	0	0	1	0	0	0		2	No	No
NHCRWA Internal Distribution	NHCRWA	Distribution capacity development	$535,881,400 capital cost	$222		2010	NA	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	due to transmission line construction. Land required for plant construction/expansion	-1	0	1	0	0	1	0	0	0		1	No	No
WHCRWA Transmission	WHCRWA	Transmission capacity development	$290,084,200 capital cost	$178		2010	NA	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	due to transmission line construction. Land required for plant construction/expansion	0	0	1	0	0	1	0	0	0		2	No	No
WHCRWA Internal Distribution	WHCRWA	Distribution capacity development	$552,472,000 capital cost	$338		2010	NA	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	due to transmission line construction. Land required for plant construction/expansion	-1	0	1	0	0	1	0	0	0		1	No	No
West Chambers County Supply System	CLCND	Develop a surface water supply system to meet demands in western Chambers County with water from the Trinity basin.	$20,380,000	$408		2020	NA	Sabine to San Jacinto	Yes (previously permitted)	Potential introduction of invasive species		-1	0	1	0	0	1	0	0	0		1	No	No
COH Treatment Expansion	Houston	Increasing capacity in COH treatment facilities infrastructure.	$2,045,672,200 capital cost	$1,003		Various	NA	Trinity-San Jacinto, San Jacinto, San Jacinto-Brazos, Brazos	No	Footprint of facilities largely already developed.	Footprint of facilities largely already developed.	-1	1	1	0	0	1	0	0	1		3	No	No
COH Distribution Expansion	Houston	Distrubution expansion for WWP	$261,040,000	TBD		2010 (2011)	NA	San Jacinto	No	Footprint of facilities largely already developed.	largely already developed.		1	0	0	0	1	0	0	1		3	No	No
Huntsville WTP	Huntsville	WTP construction to utilize existing contracts	$61,023,900 capital cost (estimated using Region H standard cost assumptions).	$587		2010	NA	Trinity, San Jacinto	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	-1	1	1	0	0	1	0	0	0		2	No	No
LLWSSSC Surface Water Project	Lake Livingston Water Supply and Sewer Service Company	Expansion of SWTP to meet municipal demands	$3,087,974	$373		2010	NA	Trinity	No	Potential disturbance due to construction.	Land required for facility construction	-1	1	1	0	0	1	0	-1	0		1	No	No
Harris County MUD 50 SWTP	Harris MUD 50	Treat surface water from SJRA for municipal use.	$6,131,600	$736		2020	NA	San Jacinto	No	Potential disturbance due to construction.	Land required for facility construction	-1	1	1	0	0	1	0	-1	0		1	No	No
Luce Bayou	COH	Development of a conveyance from the Trinity River to Lake Houston	$253,917,000 capital cost	$91		2020	NA	Trinity to San Jacinto	Yes (previously permitted)	Potential introduction of invasive species	Conveyance requires extensive canal construction	1	0	1	0	-1	1	-1	-1	0		0	Yes	Yes
Sealy GW Treatment Expansion	Sealy	Expansion of a SWTP	$6,450,000	$966		2020	NA	Brazos	No	Potential disturbance due to construction.	Land required for facility construction	-1	1	1	0	0	1	0	-1	0		1	No	No
Pearland SWTP	Pearland	Installation of a SWTP	$265,000,000	$848		2010	NA	San Jacinto - Brazos	No	Potential disturbance due to construction.	Land required for facility construction	-1	1	1	0	0	1	0	-1	0		1	No	No
Reservoir Strategies																								
Allens Creek Reservoir	BRA / Houston	New reservoir in Austin County	$222,752,400	$197	Y	2020	99,650	Brazos	No	Wetlands and bottomland hardwoods impacted	Innundates 7,000 acres	0	0	1	1	-1	1	0	-1	1		2	Yes	Yes
Bedias Reservoir	SJRA	New Reservoir in Madison/Grimes Counties	$247,241,628	$237	Y	2030	90,700	Trinity	No	7,300 acres of bottomland hardwoods	Innundates 27,400 acres	0	0	0	0	-1	0	-1	-1	-1		-4	Yes	No
Dow Off-Channel Reservoir and Pump Station Expansion	Dow / Brazosport Water Authority	Increase total raw water pumping and storage capacity	$226,837,000	$256	Y	2020	80,000	Brazos	No	Potential habitat impacts to 2,000 acres. Impacts potentially already incurred due to agricultural use.	Impacts to 2,00 acres of agricultural land.	-1	1	1	0	0	0	1	-1	0		1	No	No
Little River Reservoir	BRA / GCWA	New reservoir in Milam County	$556,520,000	$328	Y	2040	119,000	Brazos	No	Listed and endangered species habitat	Innundates 35,600 acres	-1	0	0	0	-1	-1	-1	-1	0		-5	Yes	No
Little River Off-Channel Reservoir	BRA	New reservoir in Milam County	$137,356,000	$436	Y	2040	27,255	Brazos	No	Potential impact on terrestrial species habitats	Innundates 4,400 acres	-1	-1	0	0	0	0	0	-1	1		-2	No	Yes
Brazoria Off-Channel Reservoir	Brazoria County	New reservoir in Brazoria County	$173,898,602	$1,206	Y	2030	24,000	San Jacinto - Brazos	No	Potential impact on terrestrial species habitats	Innundates 3,200 acres	-1	1	1	0	0	1	0	-1	0		1	No	No
Fort Bend Off-Channel Reservoir	Fort Bend County	New reservoir in Fort Bend County	$202,514,788	1893 (based on allocated volume)	Y	2030	46,000	San Jacinto - Brazos	No	Potential impact on terrestrial species habitats	Innundates 3,000 acres	-1	1	1	0	0	1	0	-1	0		1	No	No
GCWA Off-Channel Reservoirs	GCWA	Use storage to enhance the yield of existing GCWA rights	$197,448,012	$827	Y	2030	39,530	San Jacinto - Brazos	No	Potential impact on terrestrial species habitats	Innundates 4,000 acres	-1	1	1	0	0	1	0	-1	0		1	No	No
Lower Lake Creek Reservoir	SJRA	New reservoir in Montgomery County	$480,777,860	$583	Y	2040	67,200	San Jacinto	No	Inundates about 13,100 acres including 2,200 acres of bottomland hardwoods, 7,000 acres of oak, hickory, and pine forest, and 1,800 acres of shrubland and grasses. Some Endangered Species Identified	There are about 2,200 acres of bottomland hardwoods, 7,000 acres of oak, hickory, pine forest, and 1,800 acres of shrubland and grasses.	-1	1	0	0	-1	0	-1	-1	1		-2	No	No
Millican Reservoir (Panther Creek Dam)	BRA	New reservoir in Brazos, Madison, Leon, and Robertson Counties	$1,159,907,000	$1,241 (allocated portion only - for fully-utilized reservoir, unit cost is $424 per acre-foot)	Y	2040	194,500	Brazos	No	Some endangered species have been identified. Innundates 71,000 acres. Approximately 17,000 acres of mixed bottomland hardwoods. Probable high environmental impacts.	Innundates 71,000 acres. Approximately 17,000 acres of mixed bottomland hardwoods.	-1	0	-1	0	-1	0	-1	-1	0		-5	No	No

Region H
Table 4A-3: Water Management Strategy Screening

Water Management Strategy	Water User Group or Wholesale Provider	Strategy Description	Strategy Capital Cost ($)	Average Annual Cost of Water ($/ac-ft)	Major WMS	Earliest Potential Starting Decade	Firm Yield (ac-ft/yr)	Basin	Interbasin Transfer (Yes/No)	Impacts on Habitat / Stream / B&E Flows	Impacts on Landform	Decision Matrix Factors (High, Medium, Low): Cost	Yield	Location	Water Quality	Environment	Local Preference	Institutional Constraints / Risk of Implementability	Impacts on Water Resources	Impacts on Other Management Strategies		Total of Screening Factors	Selected as Part of 2001 Plan	Selected as Part of 2006 Plan
Screening Factor Weight:												1	1	1	1	1	1	1	1	1				
Millican-Bundic Reservoir	BRA	New reservoir in Brazos, Madison, Leon, and Robertson Counties	$720,224,000	$1,431	Y	2030	36,990	Brazos		Avoids Manning and Yegua lignite, avoids Kurten oil and gas field, avoids the Wilcox lignite in the upper river reaches and avoids significant bottomland hardwood population. Size of lake would be constrained by the Wilcox lignite, and inundation of marsh area upstream of Old San Antonio Road. Probable moderate to high environmental and instream flows impacts.	The inundation area impacts approximately and 9,210 acres of mixed Bottomland Hardwood Forest, 4,086 acres of Grasses/Forbs, and 1,334 acres of Post Oak Woods.	-1	0	-1	0	-1	0	-1	-1	0		-5	No	No
Reuse Strategies																								
Fulshear Reuse	Fulshear	Development of a direct reuse system to provide reclaimed water to Fulshear and surrounding communities.	$566,600 capital cost (estimated as $564 per acre-foot construction cost based on Wastewater Reuse for Municipal Irrigation WMS).	$502		2020	430	Brazos, San Jacinto-Brazos	No	Reduces return flows to Upper Galveston Bay, offset by reduced diversions from the Trinity Basin.	None	-1	0	1	1	0	1	0	-1	0		1	No	No
Houston Indirect Wastewater Reuse	Houston	Reuse wastewater from all city WWTP's in lieu of Trinity Supply.	$721,822,900 infrastructure cost for participating WUGs.	$402 to $1,232 per ac-ft ($777 average)	Y	2020	Up to 490,223	San Jacinto	No	Reduces return flows to Upper Galveston Bay, offset by reduced diversions from the Trinity Basin.	Size and location of diversion pump stations still TBD.	0	1	1	0	0	0	-1	-1	1		1	Yes	Yes
Montgomery County MUDs 8/9 Reuse	Montgomery MUDs 8/9	Reuse water from Montgomery County MUDs 8/9	$12,245,700	$878 per acre-foot (based on allocated volume)		2020 (2016)	1,120 (max)	San Jacinto	No	This WMS willnot be permitted to negatively impact downstream rights.	none	-1	1	1	0	1	1	0	0	0		3	No	No
NHCRWA Indirect Wastewater Reuse	NHCRWA	Reuse wastewater from member WWTP's in lieu of purchasing additional supply.	$66,778,694	$702 per acre-foot allocated	Y	2010	Up to 157,000	San Jacinto	No	Reduces return flows to Upper Galveston Bay, offset by reduced diversions from the Trinity Basin.	Size and location of diversion pump stations still TBD.	0	1	1	0	0	0	-1	-1	1		1	Yes	Yes
Wastewater Reclamation for Industry	Houston, Manufacturing	Deliver treated waterwater to industry for use in lieu of Trinity River supply.	$332,051,761	$893	Y	2010	67,200	San Jacinto	No	Minimal change in habitat	None	-1	1	1	1	0	1	0	1	1		5	Yes	Yes
Wastewater Reclamation for Municipal Irrigation	County-Other and Authorities in Brazoria, Fort Bend, Harris, and Montgomery Counties	Reuse for municipal irrigation	$48,043,200 infrastructure cost for participating WUGs.	$539 average		2030	36,388 (in 2060)	Multiple	No	Reduces return flows to Upper Galveston Bay, offset by reduced diversions from the Trinity Basin.	None	-1	0	1	1	0	1	0	-1	0		1	No	No
Permit Strategies																								
BRA System Operations Permit	BRA	Use peak flows, when available, and systems management to reduce the use of water stored under other permits.	TBD – based on system rate of $61 per acre-foot	TBD – based on system rate of $61 per acre-foot	Y	2020 (2015)	25,350 (Region H)	Brazos	No	Harvests peak flows through system management, positive affect on below-median flows	New pump stations may be required.	1	1	1	0	0	1	-1	0	0		3	Yes	Yes
Houston Bayous Permit	Houston	Use peak flows, when available, to reduce the use of water stored under other permits.	$20,956,000	System rate		NA	0	San Jacinto	No	Reduces return flows to Upper Galveston Bay, offset by reduced diversions from the Trinity Basin.	Size and location of diversion pump stations still TBD.	1	-1	1	0	-1	1	-1	0	0		0	Yes	Yes
Other Strategies																								
Brazoria County Interruptible Supplies for Irrigation	GCWA	Use of interruptible portion of GCWA water right for irrigation	NA	NA		2010	Non-firm 124,000 64,000 w/ GCWA off-channel)	Brazos, San Jacinto-Brazos	No	Reduced flows in Brazos River due to increased diversion	None	1	1	1	0	0	0	0	-1	0		2	NA	NA
Brazos Salt Water Barrier	BRA / DOW	Prevent the seasonal migration of the saltwater wedge upstream to protect existing diversion points.	$44,470,700	NA		2030	NA	Brazos	No	Will influence flood plain response to major storms.	New structure in river channel	0	-1	1	1	0	0	0	1	1		3	NA	Yes
Freeport Desalination	BRA / DOW	Desalinate seawater for industrial and municipal use.	$85,233,000 (11,200AF) - $255,699,000 (33,600AF)	$1,730 to $2,376	Y	2040	11,200 to 33,600	Brazos, San Jacinto-Brazos	No	Offsets some use of Brazos basin flows.	New facility may require some land clearing.	-1	1	1	1	0	0	0	0	0		2	No	Yes
Montgomery County MUD 8/9 Brackish Desal	Montgomery County MUDs 8 and 9	Development of a brackish groundwater desalination facility that would supplement existing wells, reducing dependence on fresh water formations of the Gulf Coast Aquifer.	TBD	TBD		2010 (2014)	Up to 2,240 acre-feet per year (average 2.0 MGD)	San Jacinto	No	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	No	No
Sabine to Region H Transfer	Harris / Montgomery Counties	Transfer existing supply from Toledo Bend Reservoir to Region H.	$760,813,320	Dependent on volume that would be allocated if selected as an alternative.	Y	2030	From 26,762 (2020) to 486,500 (2060)	Sabine to San Jacinto	Yes	Potential introduction of invasive species / Reduction of freshwater inflows to Sabine Lake	1398-acres	0	1	-1	0	-1	-1	-1	-1	1		-3	NA	No
Galveston County Desal	GCWA		TBD	TBD				San Jacinto-Brazos			Unknown	-1	0	1	1	0	0	0	0	0		1	No	No

Attachment D:

Amended Table 4A-4: Water Management Strategy Environmental Impacts

Region H
Table 4A-4: Water Management Strategy Environmental Impacts

Water Management Strategy	Water User Group or Wholesale Provider	Strategy Description	Basin	Interbasin Transfer (Yes/No)	Impacts on Habitat / Stream / B&E Flows	Impacts on Landform	Instream Flows	Bay and Estuary Inflows	Wildlife Habitat	Wetlands	Threatened and Endangered Species	Cultural Resources	Evaluation of Impacts of Water Management Strategies on Threats to Natural Resources	Use of Environmental Planning Criteria or Site-Specific Information on Environmental Flow Needs	Description of Regional Planning Area	Description of Water Sources, including Major Springs	Description of Natural Resources (Animal, Vegetable, or Mineral)	Identification of Water Quality Problems	Identification of Threats to Natural Resources	Recommendations for Ecologically Unique River and Stream Segments	Recommendations that are Needed and Desirable to Protect Natural Resources
Screening Factor Weight:																					
Conservation Strategies																					
Industrial Conservation	Manufacturing	Reduce water demand through selected BMPs	All	No	No impact	None	Strategy reduces the demand for additional water supply, but also reduces return flows from existing sources.	Reducesreturn flows from current sources, but the rate of savings does not compenstae for the rate of growth in the largest counties.	NA - does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	Does not require the construction of new infrastructure. Reductions in return flows off-set by increase in overall demand.	NA - does not require the construction of new infrastructure.	Reducing water demand provides a positive effect on existing supply sources.	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Irrigation Conservation	Irrigation	Reduce irrigation losses through land leveling, point irrigation and canal lining	Various	No	Reduces losses that feed small streams	None	Strategy reduces the demand for additional water supply, but also reduces run-off and seepage losses from existing irrigation.	No significant effect on bay and estuary flows.	NA - does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	NA - Does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	Reducing water demand provides a positive effect. Although instream flows potentially could be reduced due to less return flows off fields, as well as reducing water fowl habitat.	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Brazoria County	Irrigation	Reduce irrigation losses through land leveling, point irrigation and canal lining	Brazos, Brazos-Colorado	No	Reduces losses that feed small streams	None	Strategy reduces the demand for additional water supply, but also reduces run-off and seepage losses from existing irrigation.	No significant effect on bay and estuary flows.	NA - does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	NA - Does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	Reducing water demand provides a positive effect. Although instream flows potentially could be reduced due to less return flows off fields, as well as reducing water fowl habitat.	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Chambers County	Irrigation	Reduce irrigation losses through land leveling, point irrigation and canal lining	Trinity	No	Reduces losses that feed small streams	None	Strategy reduces the demand for additional water supply, but also reduces run-off and seepage losses from existing irrigation.	No significant effect on bay and estuary flows.	NA - does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	NA - Does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	Reducing water demand provides a positive effect. Although instream flows potentially could be reduced due to less return flows off fields, as well as reducing water fowl habitat.	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Galveston County	Irrigation	Reduce irrigation losses through land leveling, point irrigation and canal lining	San Jacinto - Brazos	No	Reduces losses that feed small streams	None	Strategy reduces the demand for additional water supply, but also reduces run-off and seepage losses from existing irrigation.	No significant effect on bay and estuary flows.	NA - does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	NA - Does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	Reducing water demand provides a positive effect. Although instream flows potentially could be reduced due to less return flows off fields, as well as reducing water fowl habitat.	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Liberty County	Irrigation	Reduce irrigation losses through land leveling, point irrigation and canal lining	Trinity	No	Reduces losses that feed small streams	None	Strategy reduces the demand for additional water supply, but also reduces run-off and seepage losses from existing irrigation.	No significant effect on bay and estuary flows.	NA - does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	NA - Does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	Reducing water demand provides a positive effect. Although instream flows potentially could be reduced due to less return flows off fields, as well as reducing water fowl habitat.	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Waller County	Irrigation	Reduce irrigation losses through land leveling, point irrigation	San Jacinto	No	Reduces losses that feed small streams	None	Strategy reduces the demand for additional water supply, but also reduces run-off and seepage losses from existing irrigation.	No significant effect on bay and estuary flows.	NA - does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	NA - Does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	Reducing water demand provides a positive effect. Although instream flows potentially could be reduced due to less return flows off fields, as well as reducing water fowl habitat.	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Municipal Conservation	Multiple	Reduce demand through various methods	All	No	No impact	None	Strategy reduces the demand for additional water supply, but also reduces per-capita return flows from existing groundwater use.	Reduces per capita return flows from groundwater, but the rate of savings does not compenstae for the rate of population growth.	NA - does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	Does not require the construction of new infrastructure. Reductions in return flows off-set by increase in population and total demand.	NA - does not require the construction of new infrastructure.	Reducing per capita water demand provides a positive effect. Although instream flows potentially could be reduced due to less return flows.	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Contractual Strategies																					
Expand/ Increase Current Contracts	Multiple	Increase existing contracts to meet customer demands	Multiple	Yes	Reduced streamflows due to use of currently unused supplies	None	Reduces in-stream flows in all basins due to full use of existing water supplies.	Return flows (typically equal to 60% of diversion) will off-set increased diversions. Houston and SJRA use will result in return flows to Upper Galveston Bay vice Trinity Bay (if left unused).	NA - does not require the construction of new infrastructure beyond expansion of existing plants.	NA - does not require the construction of new infrastructure.	Does not require the construction of new infrastructure, but full use of permits will affect riparian habitat.	NA - does not require the development of new infrastructure sites.	0	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
New Contracts from Existing Supply	Multiple	Create new contracts from existing unallocated supplies	Multiple	Yes	Reduced streamflows due to use of currently unused supplies	None	Reduces in-stream flows in all basins due to full use of existing water supplies.	Return flows (typically equal to 60% of diversion) will off-set increased diversions. Houston and SJRA use will result in return flows to Upper Galveston Bay vice Trinity Bay (if left unused).	NA - does not require the construction of new infrastructure beyond expansion of existing plants.	NA - does not require the construction of new infrastructure.	Does not require the construction of new infrastructure, but full use of permits will affect riparian habitat.	NA - does not require the development of new infrastructure sites.	0	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Reallocation of Existing Supply	Multiple	Reallocate surplus water to WUGs with shortages	Multiple	Yes	Altered location of return flows	None	Reduces in-stream flows in all basins due to full use of existing water supplies.	Return flows (typically equal to 60% of diversion) will off-set increased diversions. Houston and SJRA use will result in return flows to Upper Galveston Bay vice Trinity Bay (if left unused).	NA - does not require the construction of new infrastructure beyond expansion of existing plants.	NA - does not require the construction of new infrastructure.	Does not require the construction of new infrastructure, but full use of permits will affect riparian habitat.	NA - does not require the development of new infrastructure sites.	0	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
TRA to SJRA contract	TRA / SJRA	Sell uncommitted supply to SJRA.	Trinity to San Jacinto	Yes	Potential introduction of invasive species	Requires construction of new conveyance.	Transfers unused supply from the Trinity to the San Jacinto River basin, resulting in decreased flows below Lake Livingston.	Return flows (typically equal to 60% of diversion) will return to Upper Galveston Bay vice Trinity Bay.	Increased diversion from Lake Livingston will increase lake-level fluctuations and reduce flows in the lower Trinity. No new construction impacts are associated with this strategy.	No new construction impacts are associated with this strategy. Lake level fluctuations will affect wetlands along the shoreline and tributaries.	Potential impact to Wood Stork and Alligator Snapping Turtle habitat through reduced flows in lower Trinity River.	Potential impacts along conveyance route	0	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
TRA to Houston Contract	TRA / Houston	Sell uncommitted supply to Houston	Trinity to San Jacinto	Yes	Potential introduction of invasive species	Unknown	Transfers unused supply from the Trinity to the San Jacinto River basin, resulting in decreased flows below Lake Livingston.	Return flows (typically equal to 60% of diversion) will return to Upper Galveston Bay vice Trinity Bay.	Increased diversion from Lake Livingston will increase lake-level fluctuations and reduce flows in the lower Trinity. No new construction impacts are associated with this strategy.	No new construction impacts are associated with this strategy. Lake level fluctuations will affect wetlands along the shoreline and tributaries.	Potential impact to Wood Stork and Alligator Snapping Turtle habitat through reduced flows in lower Trinity River.	NA - does not require the construction of new infrastructure.	0	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
WUG Level Contracts	Multiple WUGs	Contracts from WWPs to WUGs	All	Yes (source-dependent)	None - impacts associated with yield-creating WMS or infrastructure	None	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WWP Contracts	Multiple WWPs	Contracts between WWPs	All	Yes (source-dependent)	None - impacts associated with yield-creating WMS or infrastructure	None	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Groundwater Strategies																					

Region H
Table 4A-4: Water Management Strategy Environmental Impacts

Water Management Strategy	Water User Group or Wholesale Provider	Strategy Description	Basin	Interbasin Transfer (Yes/No)	Impacts on Habitat / Stream / B&E Flows	Impacts on Landform	Instream Flows	Bay and Estuary Inflows	Wildlife Habitat	Wetlands	Threatened and Endangered Species	Cultural Resources	Evaluation of Impacts of Water Management Strategies on Threats to Natural Resources	Use of Environmental Planning Criteria or Site-Specific Information on Environmental Flow Needs	Description of Regional Planning Area	Description of Water Sources, including Major Springs	Description of Natural Resources (Animal, Vegetable, or Mineral)	Identification of Water Quality Problems	Identification of Threats to Natural Resources	Recommendations for Ecologically Unique River and Stream Segments	Recommendations that are Needed and Desirable to Protect Natural Resources
Expanded Use of Groundwater	Multiple	Increase groundwater use, to the sustainable or permitted yield.	All	No	Uses existing supply, return flows remain in basin of origin.	New wells may require some land clearing.	Groundwater return flows contribute to streams in all basins.	Full utilization of groundwater reduces potential for transfer from Trinity Basin, leaving flows into Trinity Bay.	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Interim Strategies	Brazoria, Chambers, Galveston, Harris, and Montgomery Counties	Temporary groundwater use in excess of available supply	Multiple	No	Potential for subsidence and excess drawdown	New wells may require some land clearing.	Groundwater return flows contribute to streams in all basins.	Full utilization of groundwater reduces potential for transfer from Trinity Basin, leaving flows into Trinity Bay.	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
New Groundwater Wells for Livestock	Multiple	Added well capacity to facilitate expaned pumping or interim groundwater use	All	No	None - impacts associated with yield-creating WMS or infrastructure	New wells may require some land clearing.	Groundwater return flows contribute to streams in all basins.	Full utilization of groundwater reduces potential for transfer from Trinity Basin, leaving flows into Trinity Bay.	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Groundwater Reduction Plans																					
CHCRWA GRP	CHCRWA	Conversion of CHCRWA to surface water.	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to streams in all basins.	Full utilization of groundwater reduces potential for transfer from Trinity Basin, leaving flows into Trinity Bay.	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
COH GRP	COH	Conversion of portions of COH service area to surface water	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Transfers unused supply from the Trinity to the San Jacinto River basin, resulting in decreased flows below Lake Livingston.	Return flows (typically equal to 60% of diversion) will return to Upper Galveston Bay vice Trinity Bay.	Increased diversion from Lake Livingston will increase lake-level fluctuations and reduce flows in the lower Trinity. No new construction impacts are associated with this strategy.	No new construction impacts are associated with this strategy. Lake level fluctuations will affect wetlands along the shoreline and tributaries.	Potential impact to Wood Stork and Alligator Snapping Turtle habitat through reduced flows in lower Trinity River.	NA - does not require the construction of new infrastructure.	0	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Missouri City GRP	Missouri City	Conversion of Missouri City and surrounding area to surface water. Also includes Aquifer Storage and Recovery.	Brazos, San Jacinto-Brazos	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Fort Bend County MUD 25 GRP	Fort Bend MUD 25	A combination of reuse and surface water to allow for groundwater reduction.	Brazos	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Fort Bend County WCID No. 2 GRP	Fort Bend County WCID No. 2	Surface water conversion	San Jacinto, San Jacinto-Brazos	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
NFBWA GRP	NFBWA	Conversion of NFBWA to surface water. Also includes reuse and major water supply infrastructure.	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
NHCRWA GRP	NHCRWA	Conversion of NHCRWA to surface water. Also includes major water supply infrastructure.	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Pecan Grove GRP	Pecan Grove	Conversion of Pecan Grove to surface water. Also includes reuse	Brazos, San Jacinto-Brazos	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Richmond-Rosenberg GRP	Richmond, Rosenberg	Conversion of Richmond-Rosenberg to surface water.	Brazos	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
River Plantation GRP	River Plantation MUD	Entering into GRP with River Plantation CC golf course to provide additional WWTP effluent for irrigation purposes	San Jacinto	No	Instream flows potentially decreased due to wastewater reuse. However, indirect reuse potentially has less negative impacts on instream flows than direct reuse.	none	Instream flows potentially decreased due to wastewater reuse. However, indirect reuse potentially has less negative impacts on instream flows than direct reuse.	All return flows remain in Galveston Bay watershed.	TBD. Impacts expected to be minimal	TBD. Impacts expected to be minimal	TBD. Impacts expected to be minimal	Site surveys must be conducted for each individual well site.	TBD	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
SJRA WRAP	Montgomery County	Conversion of Montgomery County to surface water. Also includes reuse and major water supply infrastructure.	San Jacinto	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Sugar Land GRP	Sugar Land	Conversion of Sugar Land and surrounding area to surface water. Also includes reuse.	Brazos, San Jacinto-Brazos	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay

Region H
Table 4A-4: Water Management Strategy Environmental Impacts

Water Management Strategy	Water User Group or Wholesale Provider	Strategy Description	Basin	Interbasin Transfer (Yes/No)	Impacts on Habitat / Stream / B&E Flows	Impacts on Landform	Instream Flows	Bay and Estuary Inflows	Wildlife Habitat	Wetlands	Threatened and Endangered Species	Cultural Resources	Evaluation of Impacts of Water Management Strategies on Threats to Natural Resources	Use of Environmental Planning Criteria or Site-Specific Information on Environmental Flow Needs	Description of Regional Planning Area	Description of Water Sources, including Major Springs	Description of Natural Resources (Animal, Vegetable, or Mineral)	Identification of Water Quality Problems	Identification of Threats to Natural Resources	Recommendations for Ecologically Unique River and Stream Segments	Recommendations that are Needed and Desirable to Protect Natural Resources
WHCRWA GRP	WHCRWA	Conversion of WHCRWA to surface water. Also includes reuse and major water supply infrastructure.	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Infrastructure Strategies																					
BWA Brackish Groundwater	BWA	Desalinate of brackish groundwater from Gulf Coast Aquifer to enhance the yield of surface water sources in use in the lower Brazos River Basin.	Mulipte	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to stream.	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	TBD. Potential mitigation of impacts to Waters of the US from pipeline alignments.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
BWA Plant Expansion	BWA	Expansion of BWA's conventional SWTP to enhance the yield of surface water sources in use in the lower Brazos River Basin.	Multiple	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Low probability of significant impacts	Low probability of significant impacts	Limited potential for impact at existing plant site.	Limited potential for impact at existing plant site.	Limited potential for impact at existing plant site.	Limited potential for impact at existing plant site.	N/A	Diversions covered under existing supplies.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
CHCRWA Transmission	CHCRWA	Transmission capacity development	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to streams in all basins.	Full utilization of groundwater reduces potential for transfer from Trinity Basin, leaving flows into Trinity Bay.	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
CHCRWA Distribution	CHCRWA	Distribution capacity development	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to streams in all basins.	Full utilization of groundwater reduces potential for transfer from Trinity Basin, leaving flows into Trinity Bay.	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
NFBWA Shared Transmission Line	NFBWA	Transmission capacity development	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
NFBWA Internal Distribution	NFBWA	Distribution capacity development	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
NHCRWA Transmission	NHCRWA	Transmission capacity development	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
NHCRWA Internal Distribution	NHCRWA	Distribution capacity development	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
WHCRWA Transmission	WHCRWA	Transmission capacity development	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
WHCRWA Internal Distribution	WHCRWA	Distribution capacity development	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
West Chambers County Supply System	CLCND	Develop a surface water supply system to meet demands in western Chambers County with water from the Trinity basin.	Sabine to San Jacinto	Yes (previously permitted)	Potential introduction of invasive species	Conveyance requires extensive canal construction	Will reduce instream flows to convey water to the west	Return flows will be returned to Galveston Bay	Potential impact to habitat along transmission system alignment	Potential impact to wetlands along transmission system alignment	Potential impact to T&E species along transmission system alignment	Potential impact to cultural resources along transmission system alignment			2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
COH Treatment Expansion	Houston	Increasing capacity in COH treatment facilities infrastructure.	Trinity-San Jacinto, San Jacinto, San Jacinto-Brazos, Brazos	No	Footprint of facilities largely already developed.	Footprint of facilities largely already developed.	Low probability of significant impacts	Low probability of significant impacts	Potential impact to habitat on SWTP site	Potential impact to wetlands on SWTP site	Potential impact to T&E species on site	Potential impact to cultural resources on SWTP site	N/A	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
COH Distribution Expansion	Houston	Distrubution expansion for WWP	San Jacinto	No	Footprint of facilities largely already developed.	Footprint of facilities largely already developed.	Low probability of significant impacts	Low probability of significant impacts	Potential impact to habitat along transmission corridor.	Potential impact to habitat along transmission corridor.	Potential impact to habitat along transmission corridor.	Potential impact to cultural resources along transmission corridor.	N/A	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed	Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Huntsville WTP	Huntsville	WTP construction to utilize existing contracts	Trinity, San Jacinto	No	Potential impact to habitat on site	Land required for facility construction	Low probability of significant impacts	Low probability of significant impacts	Potential impact to habitat on SWTP site	Potential impact to wetlands on SWTP site	Potential impact to T&E species on site	Potential impact to cultural resources on SWTP site	N/A		2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	Chapter 5 details the impacts of management strategies on water quality, and provides	Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Harris County MUD 50 SWTP	Harris MUD 50	Treat surface water from SJRA for municipal use.	San Jacinto	No	Potential impact to habitat on site	Land required for facility construction	Low probability of significant impacts	Low probability of significant impacts	Potential impact to habitat on SWTP site	Potential impact to wetlands on SWTP site	Potential impact to T&E species on site	Potential impact to cultural resources on SWTP site	N/A		2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay

Region H
Table 4A-4: Water Management Strategy Environmental Impacts

Water Management Strategy	Water User Group or Wholesale Provider	Strategy Description	Basin	Interbasin Transfer (Yes/No)	Impacts on Habitat / Stream / B&E Flows	Impacts on Landform	Instream Flows	Bay and Estuary Inflows	Wildlife Habitat	Wetlands	Threatened and Endangered Species	Cultural Resources	Evaluation of Impacts of Water Management Strategies on Threats to Natural Resources	Use of Environmental Planning Criteria or Site-Specific Information on Environmental Flow Needs	Description of Regional Planning Area	Description of Water Sources, including Major Springs	Description of Natural Resources (Animal, Vegetable, or Mineral)	Identification of Water Quality Problems	Identification of Threats to Natural Resources	Recommendations for Ecologically Unique River and Stream Segments	Recommendations that are Needed and Desirable to Protect Natural Resources
LLWSSSC Surface Water Project	Lake Livingston Water Supply and Sewer Service Company	Expansion of SWTP to meet municipal demands	Trinity	No	Potential impact to habitat on site	Land required for facility expansion	Low probability of significant impacts	Low probability of significant impacts	Potential impact to habitat on SWTP site	Potential impact to wetlands on SWTP site	Potential impact to T&E species on site	Potential impact to cultural resources on SWTP site	N/A		2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Luce Bayou	COH	Development of a conveyance fro the Trinity River to Lake Houston	Trinity to San Jacinto	Yes (previously permitted)	Potential introduction of invasive species	Conveyance requires extensive canal construction	Reduces flow in the Trinity River below Liberty.	Return flows (typically equal to 60% of diversion) will return to Upper Galveston Bay vice Trinity Bay.	Conveyance requires 23.6 miles of canal. Blending supply in Lake Houston may affect lake habitat.	Potential impact due to diversion structure. Potential wetland impacts due to project.	Potential impact to White-faced Ibis, Wood Stork and Alligator Snapping Turtle habitat through reduced flows in lower Trinity River. Incressed flow in Luce Bayou may impact Creek Chubsucker habitat.	Privately owned ranches and farms along Luce Bayou. Pump station study identified historic homestead, which was studied and cataloged at the time of the original permit.			2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Sealy GW Treatment Expansion	Sealy	Expansion of a SWTP	Brazos	No	Potential impact to habitat on site	Land required for facility construction	Low probability of significant impacts	Low probability of significant impacts	Potential impact to habitat on SWTP site	Potential impact to wetlands on SWTP site	Potential impact to T&E species on site	Potential impact to cultural resources on SWTP site	N/A		2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Pearland SWTP	Pearland	Installation of a SWTP	San Jacinto	No	Potential impact to habitat on site	Land required for facility construction	Low probability of significant impacts	Low probability of significant impacts	Potential impact to habitat on SWTP site	Potential impact to wetlands on SWTP site	Potential impact to T&E species on site	Potential impact to cultural resources on SWTP site.	N/A		2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Reservoir Strategies																					
Allens Creek Reservoir	BRA / Houston	New reservoir in Austin County	Brazos	No	Wetlands and bottomland hardwoods impacted	Innundates 7,000 acres	Diverts peak flows. When base flow is above median, diversions cannot reduce it below media. When base flow is above 25th percentile, diversions cannot reduce it below 25th percentile. Below 25th percentile, diversions cannot reduce it below a 7Q2.	Divert peak flows, reducing magnitude of storm flush.	Innundates 7,000 acres	Sire specific study ongoing. Potential impact from 700 to 1700 wetland acres, based upon initial studies.	Austin County is habitat for White-faced Ibis, Wood Stork and Houston Toad.	Site located near the town of Wallis. A detailed site survey must be conducted.		Reservoir modeled using minimum in-stream flow requirement.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Dow Off-Channel Reservoir and Pump Station Expansion	Increase total raw water pumping and storage capacity	Increase total raw water pumping and storage capacity	Brazos	No	Potential habitat impacts to 2,000 acres. Impacts potentially already incurred due to agricultural use.	Impacts to 2,00 acres of agricultural land.	Some impacts possible due to increased diversions. Source is existing senior right.	Some impacts possible due to increased diversions. Source is existing senior right. .	Impacts to 2,00 acres which are likely already impacted due to existing agricultural use.	Potential impacts. Assessment as part of project development.	Potential for multiple threatened and endangered species to be located within the vicinity of the proposed project site.	Cultural Resources survey will be required to determine impacts to cultural resources in the area	Potential reduction to B&E inflows. Limited impacts to other strategies anticipated as source is senior right near basin outlet.	Diversion would be from existing senior right modeled in tCEQ WAM.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Little River Off-Channel Reservoir	BRA	New reservoir in Milam County	Brazos	No	Potential impact on terrestrial species habitats	Innundates 4400 acres	The project would promote a minor reduction in instream flows, but as a percentage of total flow the difference would be minor.	Will have substantial impacts on the instream biological community at the proposed reservoir site. However, there would be minimal impacts in the Little River diversion site. It is not likely that this project, alone, would have a substantial influence on total discharge in the Brazos River, in which case there would be minimal influence on freshwater inflows to the Brazos River estuary. However, the cumulative impact of multiple projects may reduce freshwater inflows into the estuary.	Would innundate 4,343 acres; Projected wildlife habitat that will be impacted includes 2,215 acres of Mixed Grassland, 1,839 acres of Post Oak Woods, and 289 acres of Mixed Riparian Woods/Forest.	0	The species that could occur within the vicinity of the site include Houston toad, bald eagle interior least tern, piping plover, and whooping crane, and Navasota ladies'-tresses.	31 archeological sites have been documented within the general vicinity of the proposed reservoir; Pin Oak Cemetery may lie within the reservoir site; Prior to reservoir inundation, the project must be coordinated with the Texas Historical Commission and a cultural resources survey must be conducted to determine if any cultural resources are present within the conservation pool.	0	Water potentially available for impoundment estimated using the Brazos G WAM; Firm yield computed subject to the reservoir and Little River diversion having to pass inflows to meet CCEFN instream flow requirements	Regional G Draft RPP Technical Evaluations of WMS, 4B.13.5	Regional G Draft RPP Technical Evaluations of WMS, 4B.13.5	Regional G Draft RPP Technical Evaluations of WMS, 4B.13.5	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	The project is expected to have negligible impacts to the stream flow and water quality in the Little River and Brazos River.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Brazoria County Off-Channel Reservoir	Brazoria County	New reservoir in Brazoria County	San Jacinto - Brazos	No	Potential impact on terrestrial species habitats	Innundates 4,000 acres	The project would promote a minor reduction in instream flows, but as a percentage of total flow the difference would be minor.	Not likely to significantly impact bay and estuary inflows.	TBD	TBD	Potential for multiple threatened and endangered species to be located within the vicinity of the proposed project site.	Cultural Resources survey will be required to determine impacts to cultural resources in the area	Lower streamflows, declining water quality, and reduced inflows to reservoirs.	Water potentially available for impoundment estimated using the Brazos G WAM; Firm yield computed subject to diversion having to pass inflows to meet CCEFN instream flow requirements	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Fort Bend County Off-Channel Reservoir	Fort Bend County	New reservoir in Fort Bend County	Brazos	No	Potential impact on terrestrial species habitats	Innundates 4,000 acres	The project would promote a minor reduction in instream flows, but as a percentage of total flow the difference would be minor.	Not likely to significantly impact bay and estuary inflows.	TBD	TBD	Potential for multiple threatened and endangered species to be located within the vicinity of the proposed project site.	Cultural Resources survey will be required to determine impacts to cultural resources in the area	Lower streamflows, declining water quality, and reduced inflows to reservoirs.	Water potentially available for impoundment estimated using the Brazos G WAM; Firm yield computed subject to diversion having to pass inflows to meet CCEFN instream flow requirements	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
GCWA Off-Channel Reservoirs	GCWA	Use storage to enhance the yield of existing GCWA rights	San Jacinto - Brazos	No	Potential impact on terrestrial species habitats	Innundates 4,000 acres	The project would promote a minor reduction in instream flows, but as a percentage of total flow the difference would be minor.	Not likely to significantly impact bay and estuary inflows.	Project would innundate approximatly 2,900 acres, habitat in the area to be investigated further.	Project would innundate approximatly 2,900 acres, habitat in the area to be investigated further.	Potential for multiple threatened and endangered species to be located within the vicinity of the proposed project site.	Cultural Resources survey will be required to determine impacts to cultural resources in the area	Lower streamflows, declining water quality, and reduced inflows to reservoirs.	Water potentially available for impoundment estimated using the Brazos G WAM; Firm yield computed subject to the reservoir and diversion having to pass inflows to meet CCEFN instream flow requirements	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Reuse Strategies																					
Fulshear Reuse	Fulshear	Development of a direct reuse system to provide reclaimed water to Fulshear and surrounding communities.	Brazos, San Jacinto-Brazos	No	Reduces return flows to Upper Galveston Bay, offset by reduced diversions from the Trinity Basin.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Houston Indirect Wastewater Reuse	Houston	Reuse wastewater from all city WWTP's in lieu of Trinity Supply.	San Jacinto	No	Reduces return flows to Upper Galveston Bay, offset by reduced diversions from the Trinity Basin.	Size and location of diversion pump stations still TBD.	Instream flows potentially decreased due to wastewater reuse. However, indirect reuse potentially has less negative impacts on instream flows than direct reuse.	All return flows remain in Galveston Bay watershed. Reuse of supplies in San Jacinto Basin reduces potential need for transfer from Trinity Basin.	Permit applications point out the urbanized watershed	Permit applications state that potential diversion points will have minimal impacts on wetlands adjacent to streams.	Permit applications are silent on this issue	NA	N/A	SJRA permit addresses flows using existing downstream diversion point. Other applications are silent on this issue.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay

Region H
Table 4A-4: Water Management Strategy Environmental Impacts

Water Management Strategy	Water User Group or Wholesale Provider	Strategy Description	Basin	Interbasin Transfer (Yes/No)	Impacts on Habitat / Stream / B&E Flows	Impacts on Landform	Instream Flows	Bay and Estuary Inflows	Wildlife Habitat	Wetlands	Threatened and Endangered Species	Cultural Resources	Evaluation of Impacts of Water Management Strategies on Threats to Natural Resources	Use of Environmental Planning Criteria or Site-Specific Information on Environmental Flow Needs	Description of Regional Planning Area	Description of Water Sources, including Major Springs	Description of Natural Resources (Animal, Vegetable, or Mineral)	Identification of Water Quality Problems	Identification of Threats to Natural Resources	Recommendations for Ecologically Unique River and Stream Segments	Recommendations that are Needed and Desirable to Protect Natural Resources
Montgomery County MUDs 8/9 Reuse	Montgomery MUDs 8/9	Reuse water from Montgomery County MUDs 8/9	San Jacinto	No	Instream flows potentially decreased due to wastewater reuse. However, indirect reuse potentially has less negative impacts on instream flows than direct reuse.	none	Instream flows potentially decreased due to wastewater reuse. However, indirect reuse potentially has less negative impacts on instream flows than direct reuse.	All return flows remain in Galveston Bay watershed.	TBD. Impacts expected to be minimal	TBD. Impacts expected to be minimal	TBD. Impacts expected to be minimal	TBD	TBD		2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
NHCRWA Indirect Wastewater Reuse	NHCRWA	Reuse wastewater from member WWTP's in lieu of purchasing additional supply.	San Jacinto	No	Reduces return flows to Upper Galveston Bay, offset by reduced diversions from the Trinity Basin.	Size and location of diversion pump stations still TBD.	Instream flows potentially decreased due to wastewater reuse. However, indirect reuse potentially has less negative impacts on instream flows than direct reuse.	All return flows remain in Galveston Bay watershed. Reuse of supplies in San Jacinto Basin reduces potential need for transfer from Trinity Basin.	Majority of the needed infrastructure will be constructed in urbanized areas. Therefore, the impact to wildlife habitat will be limited.	Majority of the needed infrastructure will be constructed in urbanized areas. Therefore, the impact to wetlands will be limited.	Potential impact to Creek Chubsucker and Alligator Snapping Turtle habitat through reduced wastewtaer return flows.	NA	N/A	SJRA permit addresses flows using existing downstream diversion point. Other applications are silent on this issue.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Wastewater Reclamation for Industry	Houston, Manufacturing	Deliver treated watervater to industry for use in lieu of Trinity River supply.	San Jacinto	No	Minimal change in habitat	None	Reduces municipal return flows into Sims and Buffalo Bayous. Manufacturign return flows into the ship channel will not be affected.	Reuse water is intended to off-set supply transferred from Lake Livingston, leaving the inflows for Trinity Bay vice Upper Galveston Bay	Sims and Buffalo Bayous will realize reduced freshwater flows due to reuse. Central treatment facility may impact up to 15 acres of undeveloped land.	4 new pipeline crossings may impact 6 acres (assumed 1.5 acres each).	Potential impact to Wood Stork and Alligator Snapping Turtle habitat through reduced wastewtaer return flows.	Project is within an industrial area, but site studies must still be conducted for new facilities.	0	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Wastewater Reclamation for Municipal Irrigation	County-Other and Authorities in Brazoria, Fort Bend, Harris, and Montgomery Counties	Reuse for municipal irrigation	Multiple	No	Reduces return flows to Upper Galveston Bay, offset by reduced diversions from the Trinity Basin.	None	Instream flows potentially decreased due to wastewater reuse. However, indirect reuse potentially has less negative impacts on instream flows than direct reuse.	Potential to reduce return flows in specific basin of use.	Permit applications point out the urbanized watershed	Permit applications state that potential diversion points will have minimal impacts on wetlands adjacent to streams.	Permit applications are silent on this issue	NA	N/A		2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Permit Strategies																					
BRA System Operations Permit	BRA	Use peak flows, when available, and systems management to reduce the use of water stored under other permits.	Brazos	No	Harvests peak flows through system management, positive affect on below-median flows	New pump stations may be required.	Diverts from streamflows when above median flow, reducing peaks. Releases from storage when below median flows, increasing the flows above diversion points.	Reduces peak flushing effects due to diversions above median flows. Flows below median are minimally affected.	Application points to the deferred or eliminated need for Little River Reservoir	Application points to the deferred or eliminated need for Little River Reservoir. New diversion points must be assessed as needed.	None discussed in permit application. Deferring Little River Reservoir reduces overall basin impact.	Application points to the deferred or eliminated need for Little River Reservoir	N/A	TCEQ Draft permit has been granted	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Houston Bayous Permit	Houston	Use peak flows, when available, to reduce the use of water stored under other permits.	San Jacinto	No	Reduces return flows to Upper Galveston Bay, offset by reduced diversions from the Trinity Basin.	Size and location of diversion pump stations still TBD.	Permit applications refer to capturing peak flows. Model includes current Lake Houston instream flow requirement	Permit applications refer to capturing peak flows. Model includes current Lake Houston instream flow requirement	Permit applications point out the urbanized watershed	Permit applications state that potential diversion points will have minimal impacts on wetlands adjacent to streams.	Permit applications are silent on this issue	N/A - Does not recommend new diversion point	N/A	SJRA permit addresses flows using existing downstream diversion point. Other applications are silent on this issue.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Other Strategies																					
Brazoria County Interruptible Supplies for Irrigation	GCWA	Use of interruptible portion of GCWA water right for irrigation	San Jacinto-Brazos	No	Reduced flows in Brazos River due to increased diversion	None	Use of interruptible supplies will decrease instream flows														
Brazos Salt Water Barrier	BRA / DOW	Prevent the seasonal migration of the saltwater wedge upstream to protect existing diversion points.	Brazos	No	Will influence flood plain response to major storms.	New structure in river channel	Structure will create a pool during low-flow periods, but river flows should spill at the same rate as before the structure.	The structure will be designed not to impound seasonal low flows.	The structure will fill [TBD] acreas. Access road will require [TBD] acres. The introduction of the barrier may impact migratory fish species.	The structure will affect [TBD] acres of river bottomlands.	Potential habitat impacts to Black Rail, White-faced Ibis, Wood Stork, Diamondback Terrapin and Corkwood.	Siting study is required to identify any cultural resources being impacted. Site will be above Sea Center Texas hatchery.	Strategy reduces the influence of saltwater migration upstream to protect freshwater diversion points. This reduces the need for replacement supplies.	NA - strategy will not impound water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Freeport Desalination	BRA / DOW	Desalinate seawater for industrial and municipal use.	Brazos, San Jacinto-Brazos	No	Offsets some use of Brazos basin flows.	New facility may require some land clearing.	Displacemnet of water that is currently diverted to meet municipal demands.	Saline water release is made into Dow discharge canal that empties directly into the Gulf of Mexico.	As many as 530 acres of property impacted by the installation of delivery lines, some of which follow existing easements.	Same as wildlife impact potential.	Unknown. Will require assessment before implementation of the strategy.	Will require study before implementation of the strategy.	Will require study before implementation of the strategy.	Will require study before implementation of the strategy.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Montgomery County MUD 8/9 Brackish Desal	Montgomery County MUDs 8 and 9	Development of a brackish groundwater desalination facility that would supplement existing wells, reducing dependence on fresh water formations of the Gulf Coast Aquifer.	San Jacinto	No	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Sabine to Region H Transfer	Harris / Montgomery Counties	Transfer existing supply from Toledo Bend Reservoir to Region H.	Sabine to San Jacinto	Yes	Potential introduction of invasive species / Reduction of freshwater inflows to Sabine Lake	TBD	Displacement of water from Lake Livingston and reduced use of Livingston water in lower basin will result in reduced flow between the lake and the IBT discharge point on the Trinity.	Inflows to Sabine Lake could potentially be impacted.	Nearly entire Neches-Trinity segment is within Priority 3, 5, and 6 designated bottomland hardwood.	Wetlands would be affected in the majority of areas crossed by new canal segments.	Route would potentially impact the Bald Eagle, Brown Pelican, Houston Toad, Interior Least Tern, Louisians Pike Snake, Navasota Ladies'-tresses, Northern Scarlet Snake, Red-cockaded Woodpecker, and Smooth Green Snake.	Private proerty along the transfer route, especially in sections of entirely new canal or pipeline. The segment between Lake Livingston and the San Jacinto River passes through the Sam Houston National Forest.	0	0	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay

Attachment E:

Amended Table 4A-5: Recommended WMS by County

Region H
Table 4A-5: Reccommended WMS by County (ac-ft/yr)

	2010	2020	2030	2040	2050	2060
Austin						
Initial Shortage	0	-739	-1,240	-1,496	-1,635	-1,865
Expanded GW	0	739	1,240	1,496	1,635	1,865
Municipal Conservation	0	223	251	265	273	285
Contract Expansions	0	0	0	0	0	0
Net Shortage	0	223	251	265	273	285
Brazoria						
Initial Shortage	-150,907	-186,760	-211,634	-238,588	-266,405	-299,199
Expanded GW	0	4,049	12,988	13,515	15,658	16,209
Municipal Conservation	1,476	2,610	2,978	3,249	3,567	3,918
Contract Expansions	7,750	7,750	7,750	7,750	7,750	7,750
Net Shortage	-141,681	-172,351	-187,918	-214,074	-239,430	-271,322
Irrigation Conservation	18,792	18,792	18,792	18,792	18,792	18,792
Wastewater Reclamation for Mun. Irrigation	0	0	116	227	344	465
Brazoria Co. Interruptible Supplies for Irr.	98,189	86,759	64,000	64,000	64,000	64,000
Reallocate Existing Supply	13,694	13,694	13,895	13,988	14,019	13,694
Interim Strategies	24,916	0	0	0	0	0
GCWA Offchannel Reservoir	0	0	39,500	39,500	39,500	39,500
Allens Creek Lake/Reservoir	0	45,277	41,779	66,665	58,092	66,196
BRA System Operations Permit	0	3,010	3,010	3,010	3,010	3,010
Brazoria OCR	0	0	0	0	0	24,000
Freeport Desalination Plant	0	0	0	0	33,600	33,600
Dow Off-channel Reservoir and Pump Station Expansion	0	80,000	80,000	80,000	80,000	80,000
New Groundwater Wells for Livestock	0	27	27	27	27	27
BWA Brackish Groundwater	0	3,136	3,136	3,136	3,136	3,136
Total after Recommendations	13,910	78,344	76,337	75,271	75,090	75,098
Chambers						
Initial Shortage	-42,520	-47,412	-50,831	-54,251	-57,612	-61,065
Expanded GW	0	577	681	796	905	1,010
Municipal Conservation	137	195	219	239	263	291
Contract Expansions	0	0	0	0	0	0
Net Shortage	-42,383	-46,640	-49,931	-53,216	-56,444	-59,764
Irrigation Conservation	24,018	24,018	24,018	24,018	24,018	24,018
CLCND W Chambers System	0	1,691	1,978	2,235	2,511	2,804
Reallocate Existing Supply	21,010	21,264	21,389	21,509	21,627	21,725
Interim Strategies	903	0	0	0	0	0
New Contract from Existing Supply	13,823	17,083	19,972	22,888	25,732	28,672
Total after Recommendations[1]	17,371	17,416	17,426	17,434	17,444	17,455

Region H
Table 4A-5: Reccommended WMS by County (ac-ft/yr)

	2010	2020	2030	2040	2050	2060
Fort Bend						
Initial Shortage	-86	-11,410	-52,608	-84,380	-123,623	-178,948
Expanded GW	0	6,886	3,423	3,813	4,378	5,052
Municipal Conservation	1,435	7,077	10,277	12,253	14,678	17,497
Contract Expansions	0	367	1,295	1,226	1,225	1,016
Net Shortage	1,349	2,920	-37,613	-67,088	-103,342	-155,383
Irrigation Conservation	5,197	5,197	5,197	5,197	5,197	5,197
WHCRWA GRP	0	0	0	0	0	0
NFBWA GRP	0	0	0	0	0	0
Sugar Land GRP	0	488	4,921	4,835	4,915	4,961
Missouri City GRP	0	4,401	4,401	4,401	4,401	4,401
Wastewater Reclamation for Mun. Irrigation	0	0	2,136	4,744	8,403	12,277
Fort Bend MUD 25 GRP	0	589	589	589	589	589
BRA System Operations Permit	0	3,611	15,860	22,340	22,340	22,340
Fort Bend OCR	0	0	0	0	90	45,943
Allens Creek Lake/Reservoir	0	0	0	6,605	25,864	16,145
TRA to Houston Contract	0	0	13,813	27,824	39,179	39,179
Reallocate Existing Supply	0	0	4,687	4,510	3,720	13,762
Fulshear Reuse	0	287	430	430	430	430
Industrial Conservation	0	558	558	558	558	558
Total after Recommendations	6,546	18,051	14,979	14,945	12,344	10,399
Galveston						
Initial Shortage	-16,307	-16,466	-17,787	-18,738	-19,884	-21,276
Expanded GW	0	811	1,352	1,350	1,352	1,352
Municipal Conservation	768	846	886	896	903	914
Contract Expansions	0	25,630	25,630	25,630	25,630	25,630
Net Shortage	-15,539	10,821	10,081	9,138	8,001	6,620
Irrigation Conservation	2,392	2,392	2,392	2,392	2,392	2,392
New Contract from Existing Supply	16	23	26	29	33	37
Interim Strategies	6,410	0	0	0	0	0
Allens Creek Lake/Reservoir	0	12,101	13,234	14,175	15,310	16,687
New Groundwater Wells for Livestock	0	14	14	14	14	14
Interruptible Supplies for Irr.	6,788	0	0	0	0	0
Total after Recommendations	67	25,351	25,747	25,748	25,750	25,750
Harris						
Initial Shortage	-51,413	-194,925	-270,301	-323,711	-375,414	-458,509
Expanded GW	0	15,481	27,659	27,693	27,727	27,560
Municipal Conservation	37,292	46,836	51,902	56,748	61,656	66,947
Contract Expansions	0	108,852	66,039	51,840	42,538	31,971
Net Shortage	-14,121	-23,756	-124,701	-187,430	-243,493	-332,031
New Contract from Existing Supply	23,008	31,264	38,732	54,777	54,805	54,849
NHCRWA GRP	0	0	0	0	0	0
WHCRWA GRP	-65	-258	-409	-566	-751	-968
COH GRP	0	0	0	0	0	0
Missouri City GRP	0	386	386	386	386	386
Wastewater Reclamation for Mun. Irrigation	0	0	3,268	6,616	10,027	13,431
Reallocate Existing Supply	18,253	15,276	7,308	19,232	30,220	96,881
Interim Strategies	15	0	0	0	0	0
Allens Creek Lake/Reservoir	0	15	83	336	384	622
TRA to Houston Contract	0	0	93,744	86,519	75,164	75,164
NHCRWA Indirect Reuse	0	0	0	7,300	16,300	16,300
Wastewater Reuse for Industry	0	0	0	0	0	67,200
Houston Indirect Reuse	0	0	0	66,420	114,679	128,801
Total after Recommendations	27,090	22,927	18,411	53,590	57,721	120,635

Region H
Table 4A-5: Reccommended WMS by County (ac-ft/yr)

	2010	2020	2030	2040	2050	2060
Leon						
Initial Shortage	0	-376	-614	-707	-779	-908
Expanded GW	0	376	614	707	779	908
Municipal Conservation	0	126	140	124	107	116
Contract Expansions	0	0	0	0	0	0
Net Shortage	0	126	140	124	107	116
Total after Recommendations	0	126	140	124	107	116
Liberty						
Initial Shortage	-11,846	-15,142	-18,687	-22,539	-27,061	-32,363
Expanded GW	0	2,537	4,590	6,809	9,399	12,544
Municipal Conservation	0	539	641	744	868	995
Contract Expansions	0	0	0	0	0	0
Net Shortage	-11,846	-12,066	-13,456	-14,986	-16,794	-18,824
Irrigation Conservation	20,876	20,876	20,876	20,876	20,876	20,876
Reallocate Existing Supply	6,657	6,697	6,732	6,767	6,805	6,833
Total after Recommendations	15,687	15,507	14,152	12,657	10,887	8,885
Madison						
Initial Shortage	-1	-130	-228	-239	-323	-450
Expanded GW	0	130	228	239	323	450
Municipal Conservation	1	91	110	112	116	119
Contract Expansions	0	0	0	0	0	0
Net Shortage	0	91	110	112	116	119
Total after Recommendations	0	91	110	112	116	119
Montgomery						
Initial Shortage	-17,728	-47,619	-69,513	-81,350	-120,398	-165,162
Expanded GW	0	5,615	4,471	5,614	9,034	11,820
Municipal Conservation	4,460	6,007	7,384	8,838	10,795	13,089
Contract Expansions	0	0	0	0	0	0
Net Shortage	-13,268	-35,997	-57,658	-66,898	-100,569	-140,253
MUD 8 AND 9 Reuse	0	657	816	1,120	1,120	1,120
Wastewater Reclamation for Mun. Irrigation	0	0	1,752	3,838	6,787	10,215
SJRA WRAP	0	36,377	55,538	54,582	53,581	52,534
Interim Strategies	13,268	0	0	0	0	0
TRA To SJRA Contract	0	0	0	7,935	39,096	76,476
Total after Recommendations	0	1,037	448	577	15	92
Polk						
Initial Shortage	0	-117	-205	-272	-384	-513
Expanded GW	0	117	205	272	384	513
Municipal Conservation	0	158	173	180	187	198
Contract Expansions	0	0	0	0	0	0
Net Shortage	0	158	173	180	187	198
Total after Recommendations	0	158	173	180	187	198
San Jacinto						
Initial Shortage	0	-300	-533	-695	-793	-869
Expanded GW	0	542	928	984	1,007	1,060
Municipal Conservation	19	148	163	174	181	184
Contract Expansions	0	0	0	0	0	0
Net Shortage	19	390	558	463	395	375
Total after Recommendations	19	390	558	463	395	375

Region H
Table 4A-5: Reccommended WMS by County (ac-ft/yr)

	2010	2020	2030	2040	2050	2060
Trinity						
Initial Shortage	0	0	0	0	0	0
Expanded GW	0	36	36	21	0	0
Municipal Conservation	0	2	1	0	0	0
Contract Expansions	0	0	0	0	0	0
Net Shortage	0	38	37	21	0	0
Total after Recommendations	0	38	37	21	0	0
Walker						
Initial Shortage	0	-815	-1,655	-1,973	-2,384	-2,853
Expanded GW	0	816	1,651	1,963	2,374	2,843
Municipal Conservation	0	68	74	89	90	92
Contract Expansions	0	0	0	0	0	0
Net Shortage	0	69	70	79	80	82
Total after Recommendations	0	69	70	79	80	82
Waller						
Initial Shortage	-82	-1,926	-2,940	-4,579	-8,177	-12,355
Expanded GW	0	1,447	2,231	3,644	5,382	7,431
Municipal Conservation	17	392	497	592	708	849
Contract Expansions	0	0	0	0	0	0
Net Shortage	-65	-87	-212	-343	-2,087	-4,075
Irrigation Conservation	0	0	0	0	6,606	6,606
WHCRWA GRP	65	258	409	566	751	968
Total after Recommendations	0	171	197	223	5,270	3,499

Notes:

[1]Lines for reallocation of existing supplies include only the positive portions of reallocations, as negative portions remove surplusses from some WUGs. Shortage values reflect the sum of all WUG shortages without offsets for other WUG surplusses.

Attachment F:

Amended Table 4A-6: Decadal WMS Summary

Region H
Table 4A-6: Decadal WMS Summary

WMS	Starting Decade	Project Volume (ac-ft/yr)						WWP Capital Cost ($)						WUG Capital Cost ($)					
		2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060
Conservation Strategies:																			
Industrial Conservation	2010							$0	$0	$0	$0	$0	$0						
Irrigation Conservation	2010	71,275	71,275	71,275	71,275	77,881	77,881	$0	$0	$0	$0	$0	$0	$752,268	$0	$0	$0	$1,153	$4,015
Municipal Conservation	2010	45,605	65,318	75,696	84,503	94,392	105,494	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Contractual Strategies:																			
Expand/Increase Current Contracts	2010	7,750	142,599	100,714	86,446	77,143	66,367	$0	$0	$0	$0	$0	$0			See WUG Contracts			
New Contracts from Existing Supplies	2010	36,847	48,370	58,730	77,694	80,570	83,558	$0	$0	$0	$0	$0	$0			See WUG Contracts			
Reallocation of Existing Supplies	2010							$0	$0	$0	$0	$0	$0			See WUG Contracts			
TRA to SJRA Contract	2040	0	0	0	7,935	39,096	76,476	$0	$0	$0	$302,781,597	$0	$0			See WUG Contracts			
TRA to Houston Contract	2030	0	0	116,738	123,524	123,524	123,524	See Luce Bayou								See WUG Contracts			
WUG-Level Contracts[1]	2010			N/A				$0	$0	$0	$0	$0	$0	$350,454,499	$671,560,117	$367,706,601	$368,720,609	$288,157,583	$343,673,748
WWP Contracts	2010			N/A				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Groundwater Strategies:																			
Expanded Use of Groundwater	2010	0	40,159	62,297	68,916	80,337	90,617	$0	$0	$0	$0	$0	$0	$0	$59,415,362	$40,583,127	$21,583,224	$21,103,733	$23,243,553
Interim Strategies	2010	45,512	0	0	0	0	0	$0	$0	$0	$0	$0	$0	$86,701,535	$0	$0	$0	$0	$0
New Groundwater Wells for Livestock	2020	0	41	41	41	41	41	$0	$0	$0	$0	$0	$0	$0	$18,635	$0	$0	$0	$0
Groundwater Reduction Plans:																			
CHCRWA GRP	2010	2,375	4,146	4,789	4,806	4,806	4,806	See CHCRWA Trans.						$0	$0	$0	$0	$0	$0
COH GRP	2010			TBD				See COH Treatment						$8,836,520	$17,799,888	$12,253,354	$7,276,113	$6,014,466	$6,055,532
City of Missouri City GRP	2010	0	5,182	9,431	13,149	13,149	17,562	$0	$51,260,490	$40,810,500	$0	$0	$0	$0	$2,358,074	$2,025,087	$1,630,399	$544,508	$60,638
Fort Bend MUD 25 GRP	2020 (2013)	0	589	589	589	589	589	$0	$0	$0	$0	$0	$0	$0	$776,145	$0	$0	$0	$0
Fort Bend WCID 2 GRP	2020 (2013)	0	2,296	5,753	5,753	5,753	5,753	$0	$10,631,491	$7,098,683	$7,098,683	$0	$0	$0	$0	$0	$0	$0	$0
NFBWA GRP[2]	2020 (2013)	35,009	61,021	70,363	84,943	96,103	106,402	See NFBWA Trans.						$0	$249,735	$358,017	$87,191	$533,359	$409,761
NHCRWA GRP[2]	2010	34,714	91,167	117,755	99,625	81,126	117,755	See NHCRWA Trans.						$1,780,852	$4,837,262	$2,797,086	$2,909,781	$2,373,851	$3,115,753
Pecan Grove GRP	2020 (2013)	866	866	1,731	1,731	1,731	1,731	$0	$0	$0	$0	$0	$0	$15,960,000	$0	$0	$0	$0	$0
Richmond/Rosenberg GRP	2020 (2013)	7,500	7,500	7,500	7,500	7,500	7,500	$0	$43,205,325	$29,963,475	$29,897,900	$0	$14,153,450	$0	$0	$0	$0	$0	$0
River Plantation GRP	2010	168	368	368	368	368	368	$0	$0	$0	$0	$0	$0	$221,379	$263,547	$0	$0	$0	$0
SJRA WRAP[3]	2020 (2013)	0	36,377	55,538	62,517	92,677	129,010	$0	$380,000,000	$180,000,000	$200,000,000	$140,000,000	$0	$0	$67,254,547	$53,629,599	$33,814,326	$31,902,735	$31,255,646
Sugar Land GRP	2020 (2013)	0	1,587	7,987	8,656	8,915	9,796	$0	$82,825,000	$78,535,049	$0	$0	$0	$0	$1,130,682	$2,868,604	$1,726,810	$574,465	$59,540
WHCRWA GRP[2]	2010	21,678	52,274	66,761	73,196	75,985	78,839	See WHCRWA Trans						$5,832,511	$11,987,019	$5,649,170	$3,774,316	$3,888,105	$4,137,849
Infrastructure Strategies:																			
BWA Brackish Groundwater	2020	0	3,136	3,136	3,136	3,136	3,136	$0	$30,570,395	$0	$0	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
BWA Plant Expansion	2020	0	8,400	8,400	8,400	8,400	8,400	$0	$14,359,419	$0	$0	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
CHCRWA Transmission Line	2010	2,375	4,146	4,789	4,806	4,806	4,806	TBD						N/A	N/A	N/A	N/A	N/A	N/A
CHCRWA Internal Distribution	2010	2,375	4,146	4,789	4,806	4,806	4,806	TBD						N/A	N/A	N/A	N/A	N/A	N/A
CLCND West Chambers System	2020 (2014)	0	1,700	2,000	2,200	2,500	2,800	$0	$20,380,000	$0	$0	$0	$0			See WUG Contracts			
COH Distribution Expansion	2010			TBD				$0	$229,390,000	$31,650,000	$0	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
COH Treatment Expansion	2010			Varies by decade				$66,895,529	$975,979,521	$446,248,855	$223,261,769	$166,643,243	$166,643,243	N/A	N/A	N/A	N/A	N/A	N/A
Harris County MUD 50 WTP	2020 (2013)	560	560	560	560	588	632	$0	$0	$0	$0	$0	$0	$6,131,600	$0	$0	$0	$0	$0
Huntsville WTP	2010	11,200	11,200	11,200	11,200	11,200	11,200	$61,023,906	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LLWSSSC Surface Water Project	2010	954	954	954	954	954	954	$0	$0	$0	$0	$0	$0	$3,087,974	$0	$0	$0	$0	$0
Luce Bayou Transfer	2020	0	128,259	206,276	207,629	205,171	270,742	$0	$253,916,914	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
NFBWA Internal Distribution	2020 (2013)	35,009	61,021	70,363	84,943	96,103	106,402	$74,000,000	$15,000,000	$106,000,000	$10,000,000	$10,000,000	$10,000,000	N/A	N/A	N/A	N/A	N/A	N/A
NFBWA Shared Transmission Line	2020 (2013)	0	21,878	39,405	52,595	62,606	71,876	$0	$14,000,000	$142,000,000	$57,000,000	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
NHCRWA Internal 2010 Distribution	2010	34,714	34,714	34,714	34,714	34,714	34,714	$153,149,640	$0	$0	$0	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
NHCRWA Internal 2020 Distribution	2020	0	91,167	91,167	91,167	91,167	91,167	$0	$345,292,192	$0	$0	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
NHCRWA Internal 2030 Distribution	2030	0	0	117,755	117,755	117,755	117,755	$0	$0	$37,439,584	$0	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
NHCRWA Transmission 2010	2010	34,714	34,714	34,714	34,714	34,714	34,714	$80,690,624	$0	$0	$0	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
NHCRWA Transmission 2020	2020	0	91,167	91,167	91,167	91,167	91,167	$0	$172,558,512	$0	$0	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
NHCRWA Transmission 2030	2030	0	0	117,755	117,755	117,755	117,755	$0	$0	$0	$0	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
Pearland SWTP	TBD	6,720	6,720	6,720	13,420	13,420	13,420	$0	$0	$0	$0	$0	$0	$46,500,000	$218,500,000	$0	$0	$0	$0
Sealy GW Treatment Expansion		0	360	360	360	360	888	$0	$0	$0	$0	$0	$0	$0	$6,450,000	$0	$0	$0	$0
WHCRWA Internal Distribution	2010	21,678	52,274	66,761	73,196	75,985	78,839	$135,309,000	$340,470,000	$76,693,000	$0	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
WHCRWA Transmission Line	2010	21,678	52,274	66,761	73,196	75,985	78,839	$45,110,193	$244,974,000	$0	$0	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
Reservoir Strategies:																			
Allens Creek Reservoir	2020	0	57,393	55,096	87,781	99,650	99,650	$0	$222,752,400	$0	$0	$0	$0			See WUG Contracts			
Brazoria County Off-channel Reservoir	2060	0	0	0	0	0	24,000	$0	$0	$0	$0	$0	$173,898,602			See WUG Contracts			
Dow OCR and PS Expansion	2020	0	80,000	80,000	80,000	80,000	80,000	$0	$226,837,000	$0	$0	$0	$0			See WUG Contracts			
Fort Bend County Off-channel Reservoir	2050	0	0	0	0	90	45,943	$0	$0	$0	$0	$202,514,788	$0			See WUG Contracts			
GCWA Off-channel Reservoir	2030	0	0	39,500	39,500	39,500	39,500	$0	$0	$197,448,012	$0	$0	$0			See WUG Contracts			
Reuse Strategies:																			
Fulshear Reuse	TBD	0	287	430	430	430	430	$0	$0	$0	$0	$0	$0	$0	$378,189	$188,436	$0	$0	$0
Houston Indirect Reuse	2040	0	0	0	66,420	114,679	128,801	$0	$0	$0	$0	$0	$0	$0	$0	$0	$276,409,030	$239,326,921	$206,086,899
Montgomery MUD 8/9 Indirect Reuse	2016	0	657	816	1,120	1,120	1,120	$0	$0	$0	$0	$0	$0	$0	$7,171,477	$1,743,456	$3,330,754	$0	$0
NHCRWA Indirect Reuse	2040	0	0	0	7,300	16,300	16,300	$0	$0	$0	$0	$0	$0	$0	$0	$0	$32,223,510	$34,555,184	$0
Wastewater Reuse for Industry	2060	0	0	0	0	0	67,200	$0	$0	$0	$0	$0	$332,051,761	$0	$0	$0	$0	$0	$0
Wastewater Reclamation for Mun. Irrigation	2030	0	0	7,272	15,425	25,561	36,388	$0	$0	$0	$0	$0	$0	$0	$0	$9,582,558	$10,837,039	$13,363,138	$14,260,514
Permit Strategies:																			
BRA System Operations Permit	2020	0	6,621	18,870	25,350	25,350	25,350	TBD								See WUG Contracts			
Houston Bayous Permit*	2020	0	0	0	0	0	0	$0	$20,956,000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Other Strategies:																			
Brazoria Co. Interruptible Supplies for Irr.	2010	104,977	86,759	64,000	64,000	64,000	64,000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Freeport Desalination Plant		0	0	0	0	33,600	33,600	$0	$0	$0	$255,699,000	$0	$0			See WUG Contracts			
Brazos Saltwater Barrier	2030			N/A				$0	$44,470,739	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Alternative Strategies:																			
Sabine to Region H Transfer	2030			N/A - Up to 486,500 ac-ft				$0	$0	$760,813,320	$0	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
Little-River Off-Channel Reservoir	2040			N/A - Up to 27,225 ac-ft				$0	$0	$0	$137,356,000	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
Montgomery Co. MUD 8/9 Brackish Desal	2010			N/A - Up to 2,240 ac-ft				N/A	N/A	N/A	N/A	N/A	N/A	$12,000,000	$0	$0	$0	$0	$0

Attachment G:

Amended Table 4A-7: WMS Supply Allocations by WUG

Region H

Table 4A-7: WMS Supply Allocations by WUG

WUG Name	WUG RWPG	WUG Basin	WUG County	WUG ID	WUG-County-Basin ID	Wholesale Water Provider	Water Source	Source RWPG	Source Basin	Source County	Source-Basin ID	Supply Volume (ac-ft)						Non-Recursive Volume?	Major WMS Project Name	WUG-Level WMS Name
												2010	2020	2030	2040	2050	2060			
ALVIN	H	SAN JACINTO-BRAZOS	BRAZORIA	080013000	08001300002011	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	99	208	383	595	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
CLEAR LAKE SHORES	H	SAN JACINTO-BRAZOS	GALVESTON	080764000	08076400008411	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	87	89	89	89	89	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
COUNTY-OTHER	H	BRAZOS	BRAZORIA	080757020	08075702002012	BRAZOSPORT WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	116	124	129	137	146	Y	ALLENS CREEK LAKE/RESERVOIR	BWA to WUG Contract
COUNTY-OTHER	H	BRAZOS-COLORADO	BRAZORIA	080757020	08075702002013	BRAZOSPORT WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	1428	2293	2508	Y	ALLENS CREEK LAKE/RESERVOIR	BWA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	BRAZORIA	080757020	08075702002011	BRAZOSPORT WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	0	753	2781	Y	ALLENS CREEK LAKE/RESERVOIR	BWA to WUG Contract
COUNTY-OTHER	H	BRAZOS	FORT BEND	080757079	08075707907912	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	3457	11289	6788	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO	FORT BEND	080757079	08075707907910	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	410	1471	876	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	FORT BEND	080757079	08075707907911	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	123	6420	4547	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
DICKINSON	H	SAN JACINTO-BRAZOS	GALVESTON	080165000	08016500008411	GALVESTON COUNTY WCID #1	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	131	274	305	340	379	Y	ALLENS CREEK LAKE/RESERVOIR	GC WCID 1 Contract
FAIRCHILDS	H	BRAZOS	FORT BEND	081019000	08101900007912	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	129	303	164	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
FIRST COLONY MUD #9	H	BRAZOS	FORT BEND	084113000	08411300007912	MISSOURI CITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	0	133	68	Y	ALLENS CREEK LAKE/RESERVOIR	Missouri City to WUG Contract
FORT BEND COUNTY MUD #106	H	BRAZOS	FORT BEND	084117000	08411700007912	SUGAR LAND	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	149	212	78	Y	ALLENS CREEK LAKE/RESERVOIR	Sugar Land to WUG Contract
FORT BEND COUNTY MUD #23	H	SAN JACINTO-BRAZOS	FORT BEND	084121000	08412100007911	MISSOURI CITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	0	117	50	Y	ALLENS CREEK LAKE/RESERVOIR	Missouri City to WUG Contract
FORT BEND COUNTY MUD #25	H	SAN JACINTO-BRAZOS	FORT BEND	084122000	08412200007911	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	744	1750	949	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
FORT BEND COUNTY MUD #81	H	BRAZOS	FORT BEND	084129000	08412900007912	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	308	717	388	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
IRRIGATION	H	BRAZOS	BRAZORIA	081004020	08100402002012	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	0	50	50	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
IRRIGATION	H	SAN JACINTO-BRAZOS	BRAZORIA	081004020	08100402002011	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	13628	13628	13771	15415	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
IRRIGATION	H	SAN JACINTO-BRAZOS	GALVESTON	081004084	08100408408411	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	6788	6788	6788	6788	6788	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
KEMAH	H	SAN JACINTO-BRAZOS	GALVESTON	080316000	08031600008411	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	208	230	237	241	247	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
LEAGUE CITY	H	SAN JACINTO-BRAZOS	GALVESTON	080350000	08035000008411	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	3485	3837	3909	3993	4093	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
LEAGUE CITY	H	SAN JACINTO-BRAZOS	HARRIS	080350000	08035000010111	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	15	15	15	16	16	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
MANUFACTURING	H	BRAZOS	BRAZORIA	081001020	08100102002012	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	44720	26791	46813	35606	36711	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
MANUFACTURING	H	SAN JACINTO-BRAZOS	BRAZORIA	081001020	08100102002011	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	1615	0	0	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
MANUFACTURING	H	BRAZOS	FORT BEND	081001079	08100107907912	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	39	65	0	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
MANUFACTURING	H	SAN JACINTO	FORT BEND	081001079	08100107907910	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	62	104	0	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
MANVEL	H	SAN JACINTO-BRAZOS	BRAZORIA	080721000	08072100002011	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	49	44	45	48	51	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
MINING	H	BRAZOS	BRAZORIA	081003020	08100302002012	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	75	92	110	127	143	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
MINING	H	BRAZOS-COLORADO	BRAZORIA	081003020	08100302002013	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	271	386	502	647	796	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
MINING	H	SAN JACINTO-BRAZOS	BRAZORIA	081003020	08100302002011	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	46	76	119	168	217	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
MINING	H	BRAZOS	FORT BEND	081003079	08100307907912	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	6	13	7	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
MINING	H	SAN JACINTO	FORT BEND	081003079	08100307907910	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	3	6	3	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
MINING	H	SAN JACINTO-BRAZOS	FORT BEND	081003079	08100307907911	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	0	12	6	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
MINING	H	SAN JACINTO-BRAZOS	GALVESTON	081003084	08100308408411	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	21	24	28	31	34	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
MISSOURI CITY	H	SAN JACINTO	HARRIS	080409000	08040900010110	MISSOURI CITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	68	321	321	476	Y	ALLENS CREEK LAKE/RESERVOIR	Missouri City to WUG Contract
ORBIT SYSTEMS INC	H	SAN JACINTO-BRAZOS	FORT BEND	084294000	08429400007911	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	2	4	2	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
PEARLAND	H	SAN JACINTO-BRAZOS	BRAZORIA	080457000	08045700002011	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	539	2068	4109	6783	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
PEARLAND	H	SAN JACINTO-BRAZOS	HARRIS	080457000	08045700010111	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	0	47	130	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
PLANTATION MUD	H	SAN JACINTO-BRAZOS	FORT BEND	084303000	08430300007911	SUGAR LAND	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	82	116	43	Y	ALLENS CREEK LAKE/RESERVOIR	Sugar Land to WUG Contract
RICHMOND	H	BRAZOS	FORT BEND	080500000	08050000007912	RICHMOND-ROSENBERG	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	0	0	81	Y	ALLENS CREEK LAKE/RESERVOIR	Richmond-Rosenberg to WUG Contract
ROSENBERG	H	BRAZOS	FORT BEND	080518000	08051800007912	RICHMOND-ROSENBERG	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	1091	2970	1767	Y	ALLENS CREEK LAKE/RESERVOIR	Richmond-Rosenberg to WUG Contract
STEAM ELECTRIC POWER	H	SAN JACINTO-BRAZOS	GALVESTON	081002084	08100208408411	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	1381	1992	2819	3828	5057	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
SUGAR LAND	H	SAN JACINTO-BRAZOS	FORT BEND	080585000	08058500007911	SUGAR LAND	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	0	162	328	Y	ALLENS CREEK LAKE/RESERVOIR	Sugar Land to WUG Contract
COUNTY-OTHER	H	BRAZOS	FORT BEND	080757079	08075707907912	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	0	426	426	426	426	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO	FORT BEND	080757079	08075707907910	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	23	61	61	61	61	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	FORT BEND	080757079	08075707907911	GULF COAST WATER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	0	0	1950	1950	1950	Y	BRA SYSTEM OPERATIONS PERMIT	GCWA to WUG Contract
FAIRCHILDS	H	BRAZOS	FORT BEND	081019000	08101900007912	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	125	354	354	354	354	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
FIRST COLONY MUD #9	H	BRAZOS	FORT BEND	084113000	08411300007912	MISSOURI CITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	0	403	668	668	668	Y	BRA SYSTEM OPERATIONS PERMIT	Missouri City to WUG Contract
FORT BEND COUNTY MUD #106	H	BRAZOS	FORT BEND	084117000	08411700007912	SUGAR LAND	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	155	245	245	245	245	Y	BRA SYSTEM OPERATIONS PERMIT	Sugar Land to WUG Contract
FORT BEND COUNTY MUD #108	H	BRAZOS	FORT BEND	084118000	08411800007912	SUGAR LAND	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	141	312	312	312	312	Y	BRA SYSTEM OPERATIONS PERMIT	Sugar Land to WUG Contract
FORT BEND COUNTY MUD #111	H	BRAZOS	FORT BEND	084119000	08411900007912	SUGAR LAND	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	186	417	417	417	417	Y	BRA SYSTEM OPERATIONS PERMIT	Sugar Land to WUG Contract
FORT BEND COUNTY MUD #23	H	SAN JACINTO-BRAZOS	FORT BEND	084121000	08412100007911	MISSOURI CITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	0	543	859	859	859	Y	BRA SYSTEM OPERATIONS PERMIT	Missouri City to WUG Contract
FORT BEND COUNTY MUD #25	H	SAN JACINTO-BRAZOS	FORT BEND	084122000	08412200007911	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	0	1025	1025	1025	1025	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
FORT BEND COUNTY MUD #67	H	BRAZOS	FORT BEND	084126000	08412600007912	SUGAR LAND	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	197	441	441	441	441	Y	BRA SYSTEM OPERATIONS PERMIT	Sugar Land to WUG Contract
FORT BEND COUNTY MUD #68	H	BRAZOS	FORT BEND	084127000	08412700007912	SUGAR LAND	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	144	324	324	324	324	Y	BRA SYSTEM OPERATIONS PERMIT	Sugar Land to WUG Contract
FORT BEND COUNTY MUD #69	H	BRAZOS	FORT BEND	084128000	08412800007912	SUGAR LAND	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	117	260	260	260	260	Y	BRA SYSTEM OPERATIONS PERMIT	GCWA to WUG Contract
FORT BEND COUNTY MUD #81	H	BRAZOS	FORT BEND	084129000	08412900007912	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	253	734	734	734	734	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
MANUFACTURING	H	BRAZORIA	BRAZORIA	081001020	08100102002012	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	2779	2779	2779	2779	2779	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
MANUFACTURING	H	BRAZOS	FORT BEND	081001079	08100107907912	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	0	406	406	406	406	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
MANUFACTURING	H	SAN JACINTO	FORT BEND	081001079	08100107907910	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	623	1292	1292	1292	1292	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
MEADOWS	H	SAN JACINTO	FORT BEND	080792000	08079200007910	FORT BEND COUNTY WCID #2	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	447	993	993	993	993	Y	BRA SYSTEM OPERATIONS PERMIT	FB WCID 2 to WUG Contract
MEADOWS	H	SAN JACINTO-BRAZOS	FORT BEND	080792000	08079200007911	FORT BEND COUNTY WCID #2	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	44	99	99	99	99	Y	BRA SYSTEM OPERATIONS PERMIT	FB WCID 2 to WUG Contract
MINING	H	BRAZOS	BRAZORIA	081003020	08100302002012	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	44	44	44	44	44	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
MINING	H	BRAZOS-COLORADO	BRAZORIA	081003020	08100302002013	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	160	160	160	160	160	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
MINING	H	SAN JACINTO-BRAZOS	BRAZORIA	081003020	08100302002011	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	27	27	27	27	27	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
MINING	H	BRAZOS	FORT BEND	081003079	08100307907912	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	189	383	383	383	383	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
MINING	H	SAN JACINTO	FORT BEND	081003079	08100307907910	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	77	165	165	165	165	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
MINING	H	SAN JACINTO-BRAZOS	FORT BEND	081003079	08100307907911	GULF COAST WATER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	86	703	717	717	717	Y	BRA SYSTEM OPERATIONS PERMIT	GCWA to WUG Contract
MISSOURI CITY	H	BRAZOS	FORT BEND	080409000	08040900007912	MISSOURI CITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	395	1287	1287	1287	1287	Y	BRA SYSTEM OPERATIONS PERMIT	Missouri City to WUG Contract
MISSOURI CITY	H	SAN JACINTO	FORT BEND	080409000	08040900007910	MISSOURI CITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	0	480	1079	1079	1079	Y	BRA SYSTEM OPERATIONS PERMIT	Missouri City to WUG Contract
MISSOURI CITY	H	SAN JACINTO-BRAZOS	FORT BEND	080409000	08040900007911	MISSOURI CITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	0	2809	5675	5675	5675	Y	BRA SYSTEM OPERATIONS PERMIT	Missouri City to WUG Contract
ORBIT SYSTEMS INC	H	SAN JACINTO-BRAZOS	FORT BEND	084294000	08429400007911	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	4	10	10	10	10	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
PLANTATION MUD	H	SAN JACINTO-BRAZOS	FORT BEND	084303000	08430300007911	SUGAR LAND	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	87	135	135	135	135	Y	BRA SYSTEM OPERATIONS PERMIT	Sugar Land to WUG Contract
SIENNA PLANTATION MUD #2	H	SAN JACINTO-BRAZOS	FORT BEND	084334000	08433400007911	MISSOURI CITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	318	740	772	772	772	Y	BRA SYSTEM OPERATIONS PERMIT	Missouri City to WUG Contract
SUGAR LAND	H	SAN JACINTO	FORT BEND	080585000	08058500007910	SUGAR LAND	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	0	35	35	35	35	Y	BRA SYSTEM OPERATIONS PERMIT	Sugar Land to WUG Contract
SUGAR LAND	H	SAN JACINTO-BRAZOS	FORT BEND	080585000	08058500007911	SUGAR LAND	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	0	778	1216	1216	1216	Y	BRA SYSTEM OPERATIONS PERMIT	Sugar Land to WUG Contract
IRRIGATION	H	BRAZOS	BRAZORIA	081004020	08100402002012	GULF COAST WATER AUTHORITY	BRAZORIA INTERRUPTIBLE IRRIGATIION SUPPLY	H	BRAZOS	BRAZORIA	BIIS12	1804	1434	1293	1207	1157	1157	Y	BRAZORIA INTERRUPTIBLE IRRIGATION	Irrigation
IRRIGATION	H	SAN JACINTO-BRAZOS	BRAZORIA	081004020	08100402002011	GULF COAST WATER AUTHORITY	BRAZORIA INTERRUPTIBLE IRRIGATIION SUPPLY	H	BRAZOS	BRAZORIA	BIIS12	63173	45325	55707	55793	55843	55843	Y	BRAZORIA INTERRUPTIBLE IRRIGATION	Irrigation
IRRIGATION	H	SAN JACINTO-BRAZOS	BRAZORIA	081004020	08100402002011	GULF COAST WATER AUTHORITY	BRAZORIA INTERRUPTIBLE IRRIGATION SUPPLY - SJB	H	SAN JACINTO-BRAZOS	BRAZORIA	BIISJB11	33212	40000	7000	7000	7000	7000	Y	BRAZORIA INTERRUPTIBLE IRRIGATION	Irrigation
IRRIGATION	H	SAN JACINTO-BRAZOS	GALVESTON	081004084	08100408408411	GULF COAST WATER AUTHORITY	BRAZORIA INTERRUPTIBLE IRRIGATION SUPPLY - SJB	H	SAN JACINTO-BRAZOS	BRAZORIA	BIISJB11	6788	0	0	0	0	0	Y	BRAZORIA INTERRUPTIBLE IRRIGATION	Irrigation
MANUFACTURING	H	BRAZOS	BRAZORIA	081001020	08100102002012	BRAZOS RIVER AUTHORITY	BRAZORIA OCR	H	BRAZOS	RESERVOIR	BRAOCR12	0	0	0	0	0	20344	Y	BRAZORIA OCR	BRA to WUG Contract
MANUFACTURING	H	SAN JACINTO-BRAZOS	BRAZORIA	081001020	08100102002011	BRAZOS RIVER AUTHORITY	BRAZORIA OCR	H	BRAZOS	RESERVOIR	BRAOCR12	0	0	0	0	0	3656	Y	BRAZORIA OCR	BRA to WUG Contract
BEACH CITY	H	TRINITY	CHAMBERS	080822000	08082200003608	CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	CHAMBERS	3460804279B08	0	42	52	61	69	74	Y	CLCND W Chambers System	CLCND to WUG Contract
BEACH CITY	H	TRINITY-SAN JACINTO	CHAMBERS	080822000	08082200003609	CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	CHAMBERS	3460804279B08	0	238	298	353	414	478	Y	CLCND W Chambers System	CLCND to WUG Contract
COUNTY-OTHER	H	TRINITY	CHAMBERS	080757036	08075703603608	CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	CHAMBERS	3460804279B08	0	187	180	173	168	166	Y	CLCND W Chambers System	CLCND to WUG Contract
COUNTY-OTHER	H	TRINITY-SAN JACINTO	CHAMBERS	080757036	08075703603609	CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	CHAMBERS	3460804279B08	0	101	100	99	97	99	Y	CLCND W Chambers System	CLCND to WUG Contract
MONT BELVIEU	H	TRINITY	CHAMBERS	080413000	08041300003608	CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	CHAMBERS	3460804279B08	0	677	824	955	1090	1230	Y	CLCND W Chambers System	CLCND to WUG Contract
MONT BELVIEU	H	TRINITY-SAN JACINTO	CHAMBERS	080413000	08041300003609	CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	CHAMBERS	3460804279B08	0	268	335	396	462	532	Y	CLCND W Chambers System	CLCND to WUG Contract
OLD RIVER-WINFREE	H	TRINITY	CHAMBERS	080727000	08072700003608	CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	CHAMBERS	3460804279B08	0	178	189	198	211	225	Y	CLCND W Chambers System	CLCND to WUG Contract
BLUE BELL MANOR UTILITY COMPANY	H	SAN JACINTO	HARRIS	080426000	08042600010110	CITY OF HOUSTON	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	140	363	413	407	402	402	Y	COH GRP	COH GRP Participation
EL DORADO UD	H	SAN JACINTO	HARRIS	084101000	08410100010110	CITY OF HOUSTON	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	130	325	403	440	481	526	Y	COH GRP	COH GRP Participation
GREEN TRAILS MUD	H	SAN JACINTO	HARRIS	084143000	08414300010110	CITY OF HOUSTON	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	224	668	862	973	1087	1204	Y	COH GRP	COH GRP Participation
HARRIS COUNTY MUD #11	H	SAN JACINTO	HARRIS	084153000	08415300010110	CITY OF HOUSTON	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	102	303	389	437	487	543	Y	COH GRP	COH GRP Participation
HARRIS COUNTY MUD #119 INWOOD NORTH	H	SAN JACINTO	HARRIS	084154000	08415400010110	CITY OF HOUSTON	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	211	588	665	652	644	644	Y	CO

Region H

Table 4A-7: WMS Supply Allocations by WUG

WUG Name	WUG RWPG	WUG Basin	WUG County	WUG ID	WUG-County-Basin ID	Wholesale Water Provider	Water Source	Source RWPG	Source Basin	Source County	Source-Basin ID	2010	2020	2030	2040	2050	2060	Non-Recursive Volume?	Major WMS Project Name	WUG-Level WMS Name
ANGLETON	H	SAN JACINTO-BRAZOS	BRAZORIA	080018000	080018000020011	BRAZOSPORT WATER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	364	365	366	376	389	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
BACLIFF MUD	H	SAN JACINTO-BRAZOS	GALVESTON	084012000	084012000084411	GULF COAST WATER AUTHORITY	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	H	SAN JACINTO-BRAZOS	BRAZORIA	3461105357A11	0	59	59	59	59	59	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
BACLIFF MUD	H	SAN JACINTO-BRAZOS	GALVESTON	084012000	084012000084411	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B12	0	465	465	465	465	465	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
BACLIFF MUD	H	SAN JACINTO-BRAZOS	GALVESTON	084012000	084012000084411	GULF COAST WATER AUTHORITY	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	G	BRAZOS	RESERVOIR	120E012	0	106	106	106	106	106	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
BELLAIRE	H	SAN JACINTO	HARRIS	080046000	080046000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	1142	0	0	0	0	Y	EXPAND/INCREASE CURRENT CONTRACTS	COH to WUG Contract
BRAZORIA	H	BRAZOS	BRAZORIA	080072000	080072000212	BRAZOSPORT WATER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	64	64	64	64	64	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
CHCRWA	H	SAN JACINTO	HARRIS	CHCRWA	CHCRWA10110	CHCRWA	HOUSTON LAKE/RESERVOIR	H	SAN JACINTO	RESERVOIR	1003010	0	977	862	720	631	546	Y	EXPAND/INCREASE CURRENT CONTRACTS	CHCRWA to WUG Contract
CHCRWA	H	SAN JACINTO	HARRIS	CHCRWA	CHCRWA10110	CHCRWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	794	0	0	0	0	Y	EXPAND/INCREASE CURRENT CONTRACTS	CHCRWA to WUG Contract
CLUTE	H	SAN JACINTO-BRAZOS	BRAZORIA	080118000	080118000020011	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	BRAZORIA	346120536612	0	0	24	42	84	144	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
CLUTE	H	SAN JACINTO-BRAZOS	BRAZORIA	080118000	080118000020011	BRAZOSPORT WATER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	213	218	221	229	240	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
COUNTY-OTHER	H	BRAZOS-COLORADO	BRAZORIA	080757020	080757020020213	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	BRAZORIA	346120536612	1752	1852	2005	681	0	0	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	BRAZORIA	080757020	080757020020211	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	BRAZORIA	346120536612	4730	3837	4313	5198	5355	4546	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	BRAZORIA	080757020	080757020020211	BRAZOSPORT WATER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	1161	1280	1198	1098	945	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	GALVESTON	080757084	080757084084411	GULF COAST WATER AUTHORITY	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	H	SAN JACINTO-BRAZOS	BRAZORIA	3461105357A11	0	248	248	248	248	248	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	GALVESTON	080757084	080757084084411	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B12	0	1962	1962	1962	1962	1962	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	GALVESTON	080757084	080757084084411	GULF COAST WATER AUTHORITY	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	G	BRAZOS	RESERVOIR	120E012	0	449	449	449	449	449	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
DICKINSON	H	SAN JACINTO-BRAZOS	GALVESTON	080165000	080165000084411	GALVESTON COUNTY WCID #1	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	H	SAN JACINTO-BRAZOS	BRAZORIA	3461105357A11	0	59	59	59	59	59	Y	EXPAND/INCREASE CURRENT CONTRACTS	GC WCID 1 Contract
DICKINSON	H	SAN JACINTO-BRAZOS	GALVESTON	080165000	080165000084411	GALVESTON COUNTY WCID #1	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B12	0	469	469	469	469	469	Y	EXPAND/INCREASE CURRENT CONTRACTS	GC WCID 1 Contract
DICKINSON	H	SAN JACINTO-BRAZOS	GALVESTON	080165000	080165000084411	GALVESTON COUNTY WCID #1	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	G	BRAZOS	RESERVOIR	120E012	0	107	107	107	107	107	Y	EXPAND/INCREASE CURRENT CONTRACTS	GC WCID 1 Contract
FREEPORT	H	SAN JACINTO-BRAZOS	BRAZORIA	080217000	080217000020211	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	BRAZORIA	346120536612	0	95	263	439	670	950	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
FREEPORT	H	SAN JACINTO-BRAZOS	BRAZORIA	080217000	080217000020211	BRAZOSPORT WATER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	380	412	446	489	543	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
GALVESTON	H	SAN JACINTO-BRAZOS	GALVESTON	080227000	080227000084411	CITY OF GALVESTON	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	H	SAN JACINTO-BRAZOS	BRAZORIA	3461105357A11	0	677	677	677	677	677	Y	EXPAND/INCREASE CURRENT CONTRACTS	Galveston to WUG Contract
GALVESTON	H	SAN JACINTO-BRAZOS	GALVESTON	080227000	080227000084411	CITY OF GALVESTON	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B12	0	5360	5360	5360	5360	5360	Y	EXPAND/INCREASE CURRENT CONTRACTS	Galveston to WUG Contract
GALVESTON	H	SAN JACINTO-BRAZOS	GALVESTON	080227000	080227000084411	CITY OF GALVESTON	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	G	BRAZOS	RESERVOIR	120E012	0	1225	1225	1225	1225	1225	Y	EXPAND/INCREASE CURRENT CONTRACTS	Galveston to WUG Contract
GALVESTON COUNTY WCID #12	H	SAN JACINTO-BRAZOS	GALVESTON	084136000	084136000084411	GULF COAST WATER AUTHORITY	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	H	SAN JACINTO-BRAZOS	BRAZORIA	3461105357A11	0	213	213	213	213	213	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
GALVESTON COUNTY WCID #12	H	SAN JACINTO-BRAZOS	GALVESTON	084136000	084136000084411	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B12	0	1688	1688	1688	1688	1688	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
GALVESTON COUNTY WCID #12	H	SAN JACINTO-BRAZOS	GALVESTON	084136000	084136000084411	GULF COAST WATER AUTHORITY	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	G	BRAZOS	RESERVOIR	120E012	0	386	386	386	386	386	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
HITCHCOCK	H	SAN JACINTO-BRAZOS	GALVESTON	080279000	080279000084411	GULF COAST WATER AUTHORITY	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	H	SAN JACINTO-BRAZOS	BRAZORIA	3461105357A11	0	17	17	17	17	17	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
HITCHCOCK	H	SAN JACINTO-BRAZOS	GALVESTON	080279000	080279000084411	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B12	0	134	134	134	134	134	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
HITCHCOCK	H	SAN JACINTO-BRAZOS	GALVESTON	080279000	080279000084411	GULF COAST WATER AUTHORITY	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	G	BRAZOS	RESERVOIR	120E012	0	31	31	31	31	31	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
HUMBLE	H	SAN JACINTO	HARRIS	080289000	080289000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	1718	0	0	0	0	Y	EXPAND/INCREASE CURRENT CONTRACTS	COH to WUG Contract
LAKE JACKSON	H	SAN JACINTO-BRAZOS	BRAZORIA	080338000	080338000020211	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	BRAZORIA	346120536612	744	708	830	1049	1349	1703	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
LAKE JACKSON	H	SAN JACINTO-BRAZOS	BRAZORIA	080338000	080338000020211	BRAZOSPORT WATER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	561	584	625	682	750	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
MANUFACTURING	H	BRAZOS	BRAZORIA	081001020	081001020020212	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	BRAZORIA	346120536612	326	252	130	124	0	0	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
MANUFACTURING	H	SAN JACINTO-BRAZOS	BRAZORIA	081001020	081001020020211	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	BRAZORIA	346120536612		844	4	6	0	0	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
MANUFACTURING	H	SAN JACINTO-BRAZOS	BRAZORIA	081001020	081001020020211	BRAZOSPORT WATER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	311	128	127	102	102	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
MANUFACTURING	H	SAN JACINTO-BRAZOS	FORT BEND	081001079	081001079079I1	FORT BEND CO. WCID 1	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	H	SAN JACINTO-BRAZOS	FORT BEND	346110517011	0	148	824	940	1016	1016	Y	EXPAND/INCREASE CURRENT CONTRACTS	FB WCID 1 to WUG Contract
MANUFACTURING	H	SAN JACINTO-BRAZOS	HARRIS	081001101	081001101101111	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	8611	3177	0	0	0	Y	EXPAND/INCREASE CURRENT CONTRACTS	COH to WUG Contract
NFBWA	H	SAN JACINTO	HARRIS	NFBWA	NFBWA10110	NFBWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	444	0	0	0	0	Y	EXPAND/INCREASE CURRENT CONTRACTS	NFBWA to WUG Contract
NHCRWA	H	SAN JACINTO	HARRIS	088000000	088000000010110	NHCRWA	HOUSTON LAKE/RESERVOIR	H	SAN JACINTO	RESERVOIR	1003010	0	30880	30880	32734	29030	25398	Y	EXPAND/INCREASE CURRENT CONTRACTS	NHCRWA to WUG Contract
NHCRWA	H	SAN JACINTO	HARRIS	088000000	088000000010110	NHCRWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	25573	14181	7419	3616	0	Y	EXPAND/INCREASE CURRENT CONTRACTS	NHCRWA to WUG Contract
OYSTER CREEK	H	SAN JACINTO-BRAZOS	BRAZORIA	080730000	080730000020211	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	BRAZORIA	346120536612	25	31	42	57	76	100	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
OYSTER CREEK	H	SAN JACINTO-BRAZOS	BRAZORIA	080730000	080730000020211	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	BRAZORIA	346120536612	25	31	42	57	76	100	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
RICHWOOD	H	SAN JACINTO-BRAZOS	BRAZORIA	080501000	080501000020211	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	BRAZORIA	346120536612	36	33	36	42	56	76	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
RICHWOOD	H	SAN JACINTO-BRAZOS	BRAZORIA	080501000	080501000020211	BRAZOSPORT WATER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	56	57	58	61	64	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
SAN LEON MUD	H	SAN JACINTO-BRAZOS	GALVESTON	084329000	084329000084411	GULF COAST WATER AUTHORITY	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	H	SAN JACINTO-BRAZOS	BRAZORIA	3461105357A11	0	117	117	117	117	117	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
SAN LEON MUD	H	SAN JACINTO-BRAZOS	GALVESTON	084329000	084329000084411	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B12	0	930	930	930	930	930	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
SAN LEON MUD	H	SAN JACINTO-BRAZOS	GALVESTON	084329000	084329000084411	GULF COAST WATER AUTHORITY	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	G	BRAZOS	RESERVOIR	120E012	0	213	213	213	213	213	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
SEABROOK	H	SAN JACINTO-BRAZOS	HARRIS	080545000	080545000010111	CITY OF PASADENA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	967	0	0	0	0	Y	EXPAND/INCREASE CURRENT CONTRACTS	Pasadena to WUG Contract
STEAM ELECTRIC POWER	H	SAN JACINTO	HARRIS	081002101	081002101010110	CITY OF HOUSTON	HOUSTON LAKE/RESERVOIR	H	SAN JACINTO	RESERVOIR	1003010	0	3286	3357	4189	5154	6027	Y	EXPAND/INCREASE CURRENT CONTRACTS	COH to WUG Contract
SUNBELT FWSD	H	SAN JACINTO	HARRIS	084350000	084350000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	2842	1459	553	246	0	Y	EXPAND/INCREASE CURRENT CONTRACTS	COH to WUG Contract
TEXAS CITY	H	SAN JACINTO-BRAZOS	GALVESTON	080602000	080602000084411	GULF COAST WATER AUTHORITY	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	H	SAN JACINTO-BRAZOS	BRAZORIA	3461105357A11	0	940	940	940	940	940	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
TEXAS CITY	H	SAN JACINTO-BRAZOS	GALVESTON	080602000	080602000084411	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B12	0	7444	7444	7444	7444	7444	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
TEXAS CITY	H	SAN JACINTO-BRAZOS	GALVESTON	080602000	080602000084411	GULF COAST WATER AUTHORITY	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	G	BRAZOS	RESERVOIR	120E012	0	1701	1701	1701	1701	1701	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
TIKI ISLAND	H	SAN JACINTO-BRAZOS	GALVESTON	080973000	080973000084411	GULF COAST WATER AUTHORITY	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	H	SAN JACINTO-BRAZOS	BRAZORIA	3461105357A11	0	59	59	59	59	59	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
TIKI ISLAND	H	SAN JACINTO-BRAZOS	GALVESTON	080973000	080973000084411	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B12	0	465	465	465	465	465	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
TIKI ISLAND	H	SAN JACINTO-BRAZOS	GALVESTON	080973000	080973000084411	GULF COAST WATER AUTHORITY	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	G	BRAZOS	RESERVOIR	120E012	0	106	106	106	106	106	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
WHCRWA	H	SAN JACINTO	FORT BEND	088002000	088002000010110	WHCRWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	219	471	286	209	0	Y	EXPAND/INCREASE CURRENT CONTRACTS	WHCRWA to WUG Contract
WHCRWA	H	SAN JACINTO	HARRIS	088002000	088002000010110	WHCRWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	31618	12123	6225	3861	0	Y	EXPAND/INCREASE CURRENT CONTRACTS	WHCRWA to WUG Contract
AMES	H	TRINITY	LIBERTY	080676000	080676000014608	None	GULF COAST AQUIFER	H	TRINITY	LIBERTY	1461508	0	22	42	60	84	113	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
ANGLETON	H	SAN JACINTO-BRAZOS	BRAZORIA	080018000	080018000020011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	46	58	54	61	71	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BAILEY'S PRAIRIE	H	BRAZOS	BRAZORIA	080817000	080817000020212	None	GULF COAST AQUIFER	H	BRAZOS	BRAZORIA	0201512	0	0	0	0	1	1	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BAILEY'S PRAIRIE	H	SAN JACINTO-BRAZOS	BRAZORIA	080817000	080817000020011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	3	5	7	10	15	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BAYOU VISTA	H	SAN JACINTO-BRAZOS	GALVESTON	080759000	080759000084411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	3	4	4	4	4	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BAYTOWN	H	TRINITY-SAN JACINTO	CHAMBERS	080042000	080042000003609	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	HARRIS	1011509	0	9	14	18	23	28	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BAYTOWN	H	SAN JACINTO	HARRIS	080042000	080042000010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	1	1	1	2	4	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BAYTOWN	H	TRINITY-SAN JACINTO	HARRIS	080042000	080042000010109	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	HARRIS	1011509	0	1	7	7	7	7	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BEACH CITY	H	TRINITY	CHAMBERS	080822000	080822000003608	None	GULF COAST AQUIFER	H	TRINITY	CHAMBERS	0361508	0	2	3	4	6	7	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BEACH CITY	H	TRINITY-SAN JACINTO	CHAMBERS	080822000	080822000003609	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	CHAMBERS	0361509	0	22	35	44	52	58	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BEASLEY	H	BRAZOS	FORT BEND	081012000	081012000007912	None	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	1	2	4	6	8	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BEASLEY	H	BRAZOS-COLORADO	FORT BEND	081012000	081012000007913	None	GULF COAST AQUIFER	H	BRAZOS-COLORADO	FORT BEND	0791513	0	11	24	38	58	82	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BELLAIRE	H	SAN JACINTO	HARRIS	080046000	080046000010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	52	104	104	104	104	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BELLVILLE	H	BRAZOS	AUSTIN	080048000	080048000008412	None	GULF COAST AQUIFER	H	BRAZOS	AUSTIN	0081512	0	285	472	568	618	697	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BRAZORIA COUNTY MUD #1	H	SAN JACINTO-BRAZOS	BRAZORIA	084030000	084030000020211	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	300	650	955	1294	1648	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BRAZORIA COUNTY MUD #2	H	BRAZOS	BRAZORIA	084031000	084031000020212	None	GULF COAST AQUIFER	H	BRAZOS	BRAZORIA	0201512	0	380	813	1200	1621	2060	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BRAZORIA COUNTY MUD #3	H	SAN JACINTO-BRAZOS	BRAZORIA	084032000	084032000020211	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	217	468	687	931	1186	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BROOKSHIRE	H	BRAZOS	WALLER	080077000	080077000023712	None	GULF COAST AQUIFER	H	BRAZOS	WALLER	2371512	0	124	304	506	754	1050	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BROOKSIDE VILLAGE	H	SAN JACINTO-BRAZOS	BRAZORIA	080078000	080078000020011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	14	39	63	91	124	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BUFFALO	H	TRINITY	LEON	080083000	080083000014508	None	CARRIZO-WILCOX AQUIFER	H	TRINITY	LEON	1451008	0	36	53	49	44	47	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
CENTERVILLE	H	TRINITY	LEON	080105000	080105000014508	None	CARRIZO-WILCOX AQUIFER	H	TRINITY	LEON	1451008	0	14	21	18	16	17	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
CLEAR BROOK CITY MUD WOODMEADOWS	H	SAN JACINTO	HARRIS	084063000	084063000010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	18	38	38	38	38	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
CLEAR LAKE SHORES	H	SAN JACINTO-BRAZOS	GALVESTON	080764000	080764000084411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	1	1	1	1	1	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
CLEVELAND	H	SAN JACINTO	LIBERTY	080116000	080116000014610	None	GULF COAST AQUIFER	H	SAN JACINTO	LIBERTY	1461510	0	24	51	75	123	188	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
CLUTE	H	SAN JACINTO-BRAZOS	BRAZORIA	080118000	080118000020011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	0	14	20	32	44	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COLDSPRING	H	SAN JACINTO	SAN JACINTO	080122000	080122000020410	None	GULF COAST AQUIFER	H	SAN JACINTO	SAN JACINTO	2041510	0	7	12	15	16	17	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COLDSPRING	H	TRINITY	SAN JACINTO	080122000	080122000020408	None	GULF COAST AQUIFER	H	TRINITY	SAN JACINTO	2041508	0	23	42	53	59	62	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
CONROE	H	SAN JACINTO	MONTGOMERY	080130000	080130000017010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	37	359	626	898	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
CONSOLIDATED WSC	H	TRINITY	WALKER	084071000	084071000023608	None	YEGUA-JACKSON AQUIFER	H	TRINITY	WALKER	2363108	0	1	1	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	BRAZOS-COLORADO	AUSTIN	080757008	080757008080813	None	GULF COAST AQUIFER	H	BRAZOS-COLORADO	AUSTIN	0081513	0	26	45	53	57	66	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	COLORADO	AUSTIN	080757008	080757008080814	None	GULF COAST AQUIFER	H	COLORADO	AUSTIN	0081514	0	3	5	5	6	7	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	BRAZOS-COLORADO	BRAZORIA	080757020	080757020020213	None	GULF COAST AQUIFER	H	BRAZOS-COLORADO	BRAZORIA	0201513	0	141	230	279	321	366	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	BRAZORIA	080757020	080757020020211	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	1804	2457	2514	2437	2356	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	BRAZOS	LEON	080757145	080757145014512	None	CARRIZO-WILCOX AQUIFER	H	BRAZOS	LEON	1451012	0	21	26	17	10	13	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	TRINITY	LEON	080757145	080757145014508	None	SPARTA AQUIFER	H	TRINITY	LEON	1452708	0	7	8	5	3	4	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	TRINITY	LEON	080757145	080757145014508	None	QUEEN CITY AQUIFER	H	TRINITY	LEON	1452408	0	6	8	5	2	3	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	TRINITY	LEON	080757145	080757145014508	None	CARRIZO-WILCOX AQUIFER	H	TRINITY	LEON	1451008	0	7	8	5	3	4	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	N

Region H

Table 4A-7: WMS Supply Allocations by WUG

WUG Name	WUG RWPG	WUG Basin	WUG County	WUG ID	WUG-County-Basin ID	Wholesale Water Provider	Water Source	Source RWPG	Source Basin	Source County	Source-Basin ID	2010	2020	2030	2040	2050	2060	Non-Recursive Volume?	Major WMS Project Name	WUG-Level WMS Name
DEER PARK	H	SAN JACINTO-BRAZOS	HARRIS	080154000	08015400010111	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	HARRIS	1011511	0	1	2	2	2	2	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
DICKINSON	H	SAN JACINTO-BRAZOS	GALVESTON	080165000	08016500008411	GALVESTON COUNTY WCID #1	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	33	50	50	50	50	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
EAST PLANTATION UD	H	SAN JACINTO	MONTGOMERY	084098000	08409800017010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	11	38	59	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
FLO COMMUNITY WSC	H	TRINITY	LEON	084114000	08411400014508	None	CARRIZO-WILCOX AQUIFER	H	TRINITY	LEON	1451008	0	107	160	156	141	149	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
FREEPORT	H	BRAZOS	BRAZORIA	080217000	08021700002012	None	GULF COAST AQUIFER	H	BRAZOS	BRAZORIA	0201512	0	9	23	32	41	49	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
FREEPORT	H	SAN JACINTO-BRAZOS	BRAZORIA	080217000	08021700002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	45	150	213	256	291	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
FRIENDSWOOD	H	SAN JACINTO-BRAZOS	GALVESTON	080219000	08021900008411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	28	40	38	40	40	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
GALENA PARK	H	SAN JACINTO	HARRIS	080226000	08022600010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	0	2	2	2	2	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
GALVESTON COUNTY MUD #1	H	SAN JACINTO-BRAZOS	GALVESTON	084135000	08413500008411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	5	8	8	8	8	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
GALVESTON COUNTY WCID #12	H	SAN JACINTO-BRAZOS	GALVESTON	084136000	08413600008411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	3	4	4	4	4	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HARDIN	H	TRINITY	LIBERTY	080878000	08087800014608	None	GULF COAST AQUIFER	H	TRINITY	LIBERTY	1461508	0	19	36	55	75	99	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HARDIN WSC	H	TRINITY	LIBERTY	084148000	08414800014608	None	GULF COAST AQUIFER	H	TRINITY	LIBERTY	1461508	0	102	200	298	406	532	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HARRIS COUNTY FWSD #6	H	SAN JACINTO	HARRIS	084151000	08415100010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	5	9	9	9	9	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HARRIS COUNTY MUD #53	H	SAN JACINTO	HARRIS	084186000	08418600010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	90	174	174	174	174	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HARRIS COUNTY MUD #8	H	SAN JACINTO	HARRIS	084189000	08418900010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	12	23	23	23	23	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HARRIS COUNTY WCID #21	H	SAN JACINTO	HARRIS	084196000	08419600010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	5	9	9	9	9	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HARRIS COUNTY WCID #36	H	SAN JACINTO	HARRIS	084197000	08419700010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	27	40	40	40	40	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HARRIS COUNTY WCID #50	H	SAN JACINTO	HARRIS	084198000	08419800010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	5	11	11	11	11	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HARRIS COUNTY WCID #84	H	SAN JACINTO	HARRIS	084200000	08420000010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	0	1	1	1	1	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HEMPSTEAD	H	BRAZOS	WALLER	080271000	08027100023712	None	GULF COAST AQUIFER	H	BRAZOS	WALLER	2371512	0	473	1076	1766	2581	3539	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HILLCREST	H	SAN JACINTO-BRAZOS	BRAZORIA	080881000	08088100002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	0	0	0	0	1	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HITCHCOCK	H	SAN JACINTO-BRAZOS	GALVESTON	080279000	08027900008411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	1	0	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HOLIDAY LAKES	H	SAN JACINTO-BRAZOS	BRAZORIA	080779000	08077900002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	0	0	0	0	1	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HOUSTON	H	SAN JACINTO	HARRIS	080285000	08028500010110	CITY OF HOUSTON	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	7398	14308	14308	14308	14308	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HOUSTON	H	SAN JACINTO-BRAZOS	HARRIS	080285000	08028500010111	CITY OF HOUSTON	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	207	339	339	339	339	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HOUSTON	H	SAN JACINTO	MONTGOMERY	080285000	08028500017010	CITY OF HOUSTON	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	62	173	305	481	689	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HUNTERS CREEK VILLAGE	H	SAN JACINTO	HARRIS	080290000	08029000010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	24	47	47	47	47	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
IOWA COLONY	H	SAN JACINTO-BRAZOS	BRAZORIA	080885000	08088500002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	3	11	20	29	39	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
IRRIGATION	H	SAN JACINTO-BRAZOS	BRAZORIA	081004020	08100402002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	0	4748	2105	1912	268	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
IRRIGATION	H	NECHES	LIBERTY	081004146	08100414614606	None	GULF COAST AQUIFER	H	NECHES	LIBERTY	1461506	0	12	24	35	47	78	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
IRRIGATION	H	SAN JACINTO	WALLER	081004237	08100423723710	None	GULF COAST AQUIFER	H	BRAZOS	WALLER	2371512	0	0	0	13	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
IRRIGATION	H	SAN JACINTO	WALLER	081004237	08100423723710	None	GULF COAST AQUIFER	H	SAN JACINTO	WALLER	2371510	0	474	0	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
JACINTO CITY	H	SAN JACINTO	HARRIS	080301000	08030100010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	9	22	22	22	22	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
JAMAICA BEACH	H	SAN JACINTO-BRAZOS	GALVESTON	080886000	08088600008411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	4	7	7	7	7	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
JEWETT	H	BRAZOS	LEON	080887000	08088700014512	None	CARRIZO-WILCOX AQUIFER	H	TRINITY	LEON	1451008	0	9	13	13	12	13	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
JEWETT	H	TRINITY	LEON	080887000	08088700014508	None	CARRIZO-WILCOX AQUIFER	H	TRINITY	LEON	1451008	0	26	41	40	37	39	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
KEMAH	H	SAN JACINTO-BRAZOS	GALVESTON	080316000	08031600008411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	4	7	7	7	7	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
KENDLETON	H	BRAZOS-COLORADO	FORT BEND	KENDLETON	KENDLETON07913	None	GULF COAST AQUIFER	H	BRAZOS-COLORADO	FORT BEND	0791513	0	43	100	173	267	388	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
KENEFICK	H	TRINITY	LIBERTY	081033000	08103300014608	None	GULF COAST AQUIFER	H	TRINITY	LIBERTY	1461508	0	18	34	50	68	89	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
LA PORTE	H	SAN JACINTO	HARRIS	080346000	08034600010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	2	4	4	4	4	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
LA PORTE	H	SAN JACINTO-BRAZOS	HARRIS	080346000	08034600011111	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	HARRIS	1011511	0	33	71	71	71	71	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
LAKE JACKSON	H	SAN JACINTO-BRAZOS	BRAZORIA	080338000	08033800002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	333	473	508	515	521	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	LIBERTY	084226000	08422600014608	None	GULF COAST AQUIFER	H	TRINITY	LIBERTY	1461508	0	0	0	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	POLK	084226000	08422600018708	None	GULF COAST AQUIFER	H	TRINITY	POLK	1871508	0	0	0	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	TRINITY	084226000	08422600022808	None	GULF COAST AQUIFER	H	TRINITY	TRINITY	2281508	0	2	1	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	WALKER	084226000	08422600023608	None	GULF COAST AQUIFER	H	TRINITY	WALKER	2361508	0	0	1	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
LEAGUE CITY	H	SAN JACINTO-BRAZOS	GALVESTON	080350000	08035000008411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	77	119	119	119	119	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
LIBERTY	H	TRINITY	LIBERTY	080356000	08035600014608	None	GULF COAST AQUIFER	H	TRINITY	LIBERTY	1461508	0	18	23	34	69	119	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
LIVESTOCK	H	SAN JACINTO-BRAZOS	BRAZORIA	081005020	08100502002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	13	0	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
LIVESTOCK	H	SAN JACINTO-BRAZOS	GALVESTON	81005084	08100508408411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	10	26	26	26	26	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MADISONVILLE	H	TRINITY	MADISON	080382000	08038200015708	None	SPARTA AQUIFER	H	TRINITY	MADISON	1572708	0	34	56	75	100	127	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MAGNOLIA	H	SAN JACINTO	MONTGOMERY	080907000	08090700017010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	11	39	61	82	99	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	BRAZOS	AUSTIN	081001008	08100100800812	None	GULF COAST AQUIFER	H	BRAZOS	AUSTIN	0081512	0	19	36	51	64	85	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	BRAZOS-COLORADO	AUSTIN	081001008	08100100800813	None	GULF COAST AQUIFER	H	BRAZOS-COLORADO	AUSTIN	0081513	0	4	7	11	14	18	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	SAN JACINTO-BRAZOS	BRAZORIA	081001020	08100102002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	397	1821	2880	3364	3812	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	TRINITY-SAN JACINTO	CHAMBERS	081001036	08100103603609	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	CHAMBERS	0361509	0	191	197	189	154	139	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	SAN JACINTO-BRAZOS	GALVESTON	081001084	08100108408411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	232	604	604	604	604	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	SAN JACINTO	HARRIS	081001101	08100110110110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	3726	6894	6894	6894	6894	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	SAN JACINTO-BRAZOS	HARRIS	081001101	08100110110111	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	HARRIS	1011511	0	486	899	899	899	899	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	TRINITY-SAN JACINTO	HARRIS	081001101	08100110110109	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	HARRIS	1011509	0	528	976	976	976	976	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	TRINITY	LEON	081001145	08100114514508	None	QUEEN CITY AQUIFER	H	TRINITY	LEON	1452408	0	0	0	0	0	8	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	TRINITY	LEON	081001145	08100114514508	None	CARRIZO-WILCOX AQUIFER	H	BRAZOS	LEON	1451012	0	0	105	234	291	390	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	TRINITY	LEON	081001145	08100114514508	None	CARRIZO-WILCOX AQUIFER	H	TRINITY	LEON	1451008	0	128	148	145	202	201	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	SAN JACINTO	LIBERTY	081001146	08100114614610	None	GULF COAST AQUIFER	H	SAN JACINTO	LIBERTY	1461510	0	60	121	183	239	288	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	TRINITY	LIBERTY	081001146	08100114614608	None	GULF COAST AQUIFER	H	TRINITY	LIBERTY	1461508	0	12	23	35	46	55	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	TRINITY	MADISON	081001157	08100115715708	None	CARRIZO-WILCOX AQUIFER	H	TRINITY	MADISON	1572408	0	0	0	4	5	5	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	TRINITY	MADISON	081001157	08100115715708	None	CARRIZO-WILCOX AQUIFER	H	BRAZOS	MADISON	1571012	0	0	41	68	61	61	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	TRINITY	MADISON	081001157	08100115715708	None	CARRIZO-WILCOX AQUIFER	H	TRINITY	MADISON	1571008	0	29	15	11	41	72	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	SAN JACINTO	SAN JACINTO	081001204	08100120420410	None	GULF COAST AQUIFER	H	SAN JACINTO	SAN JACINTO	2041510	0	4	8	12	15	20	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	SAN JACINTO	WALKER	081001236	08100123623610	None	GULF COAST AQUIFER	H	SAN JACINTO	WALKER	2361510	0	92	176	262	337	416	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	TRINITY	WALKER	081001236	08100123623608	None	YEGUA-JACKSON AQUIFER	H	TRINITY	WALKER	2363108	0	627	1324	1515	1817	2155	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	BRAZOS	WALLER	081001237	08100123723712	None	GULF COAST AQUIFER	H	BRAZOS	WALLER	2371512	0	2	4	7	8	11	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	SAN JACINTO	WALLER	081001237	08100123723710	None	GULF COAST AQUIFER	H	SAN JACINTO	WALLER	2371510	0	10	19	27	36	44	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANVEL	H	SAN JACINTO-BRAZOS	BRAZORIA	080721000	08072100002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	23	25	22	18	15	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MERCY WSC	H	SAN JACINTO	LIBERTY	084253000	08425300014610	None	GULF COAST AQUIFER	H	SAN JACINTO	LIBERTY	1461510	0	13	25	38	51	67	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MERCY WSC	H	SAN JACINTO	SAN JACINTO	084253000	08425300020410	None	GULF COAST AQUIFER	H	SAN JACINTO	SAN JACINTO	2041510	0	66	117	149	166	175	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	BRAZOS	AUSTIN	081003008	08100300800812	None	GULF COAST AQUIFER	H	BRAZOS	AUSTIN	0081512	0	4	7	9	11	13	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	BRAZOS-COLORADO	AUSTIN	081003008	08100300800813	None	GULF COAST AQUIFER	H	BRAZOS-COLORADO	AUSTIN	0081513	0	0	0	0	1	1	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	COLORADO	AUSTIN	081003008	08100300800814	None	GULF COAST AQUIFER	H	COLORADO	AUSTIN	0081514	0	1	1	2	2	2	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	BRAZOS-COLORADO	BRAZORIA	081003020	08100302002013	None	GULF COAST AQUIFER	H	BRAZOS-COLORADO	BRAZORIA	0201513	0	133	182	226	243	246	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	SAN JACINTO-BRAZOS	BRAZORIA	081003020	08100302002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	35	59	70	74	75	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	NECHES-TRINITY	CHAMBERS	081003036	08100303603607	None	GULF COAST AQUIFER	H	NECHES-TRINITY	CHAMBERS	0361507	0	2	7	8	10	11	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	TRINITY	CHAMBERS	081003036	08100303603608	None	GULF COAST AQUIFER	H	TRINITY	CHAMBERS	0361508	0	197	305	408	504	581	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	TRINITY-SAN JACINTO	CHAMBERS	081003036	08100303603609	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	CHAMBERS	0361509	0	102	26	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	BRAZOS-COLORADO	FORT BEND	081003079	08100307907913	None	GULF COAST AQUIFER	H	BRAZOS-COLORADO	FORT BEND	0791513	0	4	4	6	7	9	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	NECHES-TRINITY	GALVESTON	081003084	08100308408407	None	GULF COAST AQUIFER	H	NECHES-TRINITY	GALVESTON	0841507	0	0	1	1	1	1	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	SAN JACINTO-BRAZOS	GALVESTON	081003084	08100308408411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	1	1	1	1	1	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	SAN JACINTO	HARRIS	081003101	08100310110110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	15	24	24	24	24	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	SAN JACINTO-BRAZOS	HARRIS	081003101	08100310110111	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	HARRIS	1011511	0	1	1	1	1	1	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	NECHES	LIBERTY	081003146	08100314614606	None	GULF COAST AQUIFER	H	NECHES	LIBERTY	1461506	0	0	0	0	0	1	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	NECHES-TRINITY	LIBERTY	081003146	08100314614607	None	GULF COAST AQUIFER	H	NECHES-TRINITY	LIBERTY	1461507	0	0	0	1	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	SAN JACINTO	LIBERTY	081003146	08100314614610	None	GULF COAST AQUIFER	H	SAN JACINTO	LIBERTY	1461510	0	0	0	0	1	1	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	TRINITY	LIBERTY	081003146	08100314614608	None	GULF COAST AQUIFER	H	TRINITY	LIBERTY	1461508	0	57	109	157	211	268	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	TRINITY-SAN JACINTO	LIBERTY	081003146	08100314614609	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	LIBERTY	1461509	0	10	15	20	25	30	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	TRINITY	POLK	081003187	08100318718708	None	GULF COAST AQUIFER	H	TRINITY	POLK	1871508	0	2	3	4	5	6	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MONT BELVIEU	H	TRINITY	CHAMBERS	080413000	08041300003608	None	GULF COAST AQUIFER	H	TRINITY	CHAMBERS	0361508	0	29	56	77	99	121	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MONT BELVIEU	H	TRINITY-SAN JACINTO	CHAMBERS	080413000	08041300003609	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	CHAMBERS	0361509	0	23	38	48	56	62	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MONTGOMERY	H	SAN JACINTO	MONTGOMERY	MONTGOMERY	MONTGOMERY17010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	396	513	583	596	587	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MONTGOMERY COUNTY MUD #18	H	SAN JACINTO	MONTGOMERY	084261000	08426100017010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	215	473	704	880	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MONTGOMERY COUNTY MUD #9	H	SAN JACINTO	MONTGOMERY	084264000	08426400017010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	6	31	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
NEEDVILLE	H	BRAZOS	FORT BEND	080428000	08042800007912	None	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	43	97	152	229	320	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
NEEDVILLE	H	BRAZOS-COLORADO	FORT BEND	080428000	08042800007913	None	GULF COAST AQUIFER	H	BRAZOS-COLORADO	FORT BEND	0791513	0	53	118	185	277	387	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
NEW CANEY MUD	H	SAN JACINTO	MONTGOMERY	084272000	08427200017010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	0	5	55	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
NEW WAVERLY	H	SAN JACINTO	WALKER	080926000	08092600023610	None	GULF COAST AQUIFER	H	SAN JACINTO	WALKER	2361510	0	17	25	18	17	17	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
NFBWA	H	BRAZOS	FORT BEND	NFBWA	NFBWA07912	NFBWA	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	150	0	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
NFBWA	H	SAN JACINTO-BRAZOS	FORT BEND	NFBWA	NFBWA07911	NFBWA	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	FORT BEND	0791511	0	6440	2725	2725	2725	2725	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
NORMANGEE	H	BRAZOS	LEON	080927000	08092700014512	None	CARRIZO-WILCOX AQUIFER	H	TRINITY	LEON	1451008	0	4	7	6	5	6	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
NORMANGEE	H	TRINITY	LEON	080927000	08092700014508	None	CARRIZO-WILCOX AQUIFER	H	TRINITY	LEON	1451008	0	11	16	14	13	14	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
NORMANGEE	H	TRINITY	MADISON	080927000	08092700015708	None	CARRIZO-WILCOX AQUIFER	H	TRINITY	MADISON	1571008	0	2	3	3	4	4	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
OLD RIVER-WINFREE	H	TRINITY	CHAMBERS	080727000	08072700003608	None	GULF COAST AQUIFER	H	TRINITY	CHAMBERS	0361508	0	0	0	0	1	3	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
ONALASKA	H	TRINITY	POLK	080933000	08093300018708	None	GULF COAST AQUIFER	H	TRINITY	POLK	1871508	0	40	71	92	113	136	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
ONALASKA WSC	H	TRINITY	POLK	084293000	08429300018708	None	GULF COAST AQUIFER	H	TRINITY	POLK	1871508	0	4	7	2	6	15	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
ORBIT SYSTEMS INC	H	BRAZOS-COLORADO	BRAZORIA	084294000	08429400002013	None	GULF COAST AQUIFER	H	BRAZOS-COLORADO	BRAZORIA	0201513	0	5	12	20	27	36	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
ORBIT SYSTEMS INC	H	SAN JACINTO-BRAZOS	BRAZORIA	084294000	08429400002011	None	GULF COAST AQUIFER	H	SA

Region H

Table 4A-7: WMS Supply Allocations by WUG

WUG Name	WUG RWPG	WUG Basin	WUG County	WUG ID	WUG-County-Basin ID	Wholesale Water Provider	Water Source	Source RWPG	Source Basin	Source County	Source-Basin ID	2010	2020	2030	2040	2050	2060	Non-Recursive Volume?	Major WMS Project Name	WUG-Level WMS Name
PINEY POINT VILLAGE	H	SAN JACINTO	HARRIS	080468000	08046800010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	8	17	17	17	17	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
PLEAK	H	BRAZOS	FORT BEND	081053000	08105300007912	none	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	63	180	298	457	639	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
PLUM GROVE	H	SAN JACINTO	LIBERTY	081054000	08105400014610	None	GULF COAST AQUIFER	H	SAN JACINTO	LIBERTY	1461510	0	35	66	99	136	178	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
POINT AQUARIUS MUD	H	SAN JACINTO	MONTGOMERY	084305000	08430500017010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	48	127	201	257	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
POINT BLANK	H	TRINITY	SAN JACINTO	081056000	08105600020408	None	GULF COAST AQUIFER	H	TRINITY	SAN JACINTO	2041508	0	11	19	23	26	27	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
PRAIRIE VIEW	H	BRAZOS	WALLER	080485000	08048500023712	None	GULF COAST AQUIFER	H	BRAZOS	WALLER	2371512	0	82	178	289	429	597	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
PRAIRIE VIEW	H	SAN JACINTO	WALLER	080485000	08048500023710	None	GULF COAST AQUIFER	H	SAN JACINTO	WALLER	2371510	0	9	20	32	47	66	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
RICHWOOD	H	SAN JACINTO-BRAZOS	BRAZORIA	080501000	08050100002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	15	20	21	22	23	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
RIVER PLANTATION MUD	H	SAN JACINTO	MONTGOMERY	084322000	08432200017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	16	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
RIVERSIDE WSC	H	TRINITY	SAN JACINTO	084323000	08432300020408	None	GULF COAST AQUIFER	H	TRINITY	SAN JACINTO	2041508	0	29	63	120	152	187	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
RIVERSIDE WSC	H	TRINITY	WALKER	084323000	08432300023608	None	GULF COAST AQUIFER	H	TRINITY	WALKER	2361508	0	0	5	49	72	109	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
ROMAN FOREST	H	SAN JACINTO	MONTGOMERY	080801000	08080100017010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	65	142	198	250	293	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SAN FELIPE	H	BRAZOS	AUSTIN	080954000	08095400000812	None	GULF COAST AQUIFER	H	BRAZOS	AUSTIN	0081512	0	21	35	43	46	52	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SAN JACINTO WSC	H	TRINITY	SAN JACINTO	084328000	08432800020408	None	GULF COAST AQUIFER	H	TRINITY	SAN JACINTO	2041508	0	68	122	155	171	181	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SAN LEON MUD	H	SAN JACINTO-BRAZOS	GALVESTON	084329000	08432900008411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	4	5	5	5	5	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SEABROOK	H	SAN JACINTO-BRAZOS	HARRIS	080545000	08054500010111	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	HARRIS	1011511	0	45	87	87	87	87	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SEALY	H	BRAZOS	AUSTIN	080549000	08054900000812	None	GULF COAST AQUIFER	H	BRAZOS	AUSTIN	0081512	0	360	608	725	785	888	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SHEPHERD	H	TRINITY	SAN JACINTO	080746000	08074600020408	None	GULF COAST AQUIFER	H	TRINITY	SAN JACINTO	2041508	0	54	93	110	123	130	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SHOREACRES	H	SAN JACINTO-BRAZOS	HARRIS	080558000	08055800010111	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	HARRIS	1011511	0	2	3	3	3	3	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SIMONTON	H	BRAZOS	FORT BEND	081062000	08106200007912	None	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	78	173	232	352	494	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SOUTH HOUSTON	H	SAN JACINTO	HARRIS	080569000	08056900010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	21	47	47	47	47	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SOUTHSIDE PLACE	H	SAN JACINTO	HARRIS	080572000	08057200010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	6	10	10	10	10	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SOUTHWEST UTILITIES	H	SAN JACINTO-BRAZOS	BRAZORIA	084343000	08434300002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	0	0	1	3	7	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SOUTHWEST UTILITIES	H	SAN JACINTO	LIBERTY	084343000	08434300014610	None	GULF COAST AQUIFER	H	SAN JACINTO	LIBERTY	1461510	0	2	4	6	9	12	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SPLENDORA	H	SAN JACINTO	MONTGOMERY	080962000	08096200017010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	6	17	25	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SPRING CREEK UD	H	SAN JACINTO	MONTGOMERY	084344000	08434400017010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	0	17	37	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
STAGECOACH	H	SAN JACINTO	MONTGOMERY	STAGECOACH	STAGECOACH17010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	7	15	24	36	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
STEAM ELECTRIC POWER	H	SAN JACINTO-BRAZOS	GALVESTON	081002084	08100208408411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	401	469	469	469	469	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
STEAM ELECTRIC POWER	H	SAN JACINTO	HARRIS	081002101	08100210110111	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	2259	2641	2641	2641	2641	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
STEAM ELECTRIC POWER	H	SAN JACINTO-BRAZOS	HARRIS	081002101	08100210110111	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	HARRIS	1011511	0	94	117	117	117	117	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
STEAM ELECTRIC POWER	H	TRINITY	LIBERTY	081002146	08100214614608	None	GULF COAST AQUIFER	H	TRINITY	LIBERTY	1461508	0	1278	1995	2869	3934	5077	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
STEAM ELECTRIC POWER	H	TRINITY	LIBERTY	081002146	08100214614608	None	GULF COAST AQUIFER	H	TRINITY	LIBERTY	1461508	0	0	0	0	0	156	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
STEAM ELECTRIC POWER	H	SAN JACINTO	MONTGOMERY	081002170	08100217017010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	1037	811	728	588	502	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SURFSIDE BEACH	H	BRAZOS	BRAZORIA	080967000	08096700002012	None	GULF COAST AQUIFER	H	BRAZOS	BRAZORIA	0201512	0	11	29	47	66	88	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SWEENY	H	BRAZOS-COLORADO	BRAZORIA	080590000	08059000002013	None	GULF COAST AQUIFER	H	BRAZOS-COLORADO	BRAZORIA	0201513	0	0	17	37	68	106	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
THE WOODLANDS	H	SAN JACINTO	MONTGOMERY	088001000	08800100017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	4038	2033	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
TIKI ISLAND	H	SAN JACINTO-BRAZOS	GALVESTON	080973000	08097300008411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	4	6	6	6	6	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
TRINITY	H	TRINITY	TRINITY	080610000	08061000022808	None	UNDIFFERENTIATED AQUIFER	H	TRINITY	TRINITY	2282208	0	2	0	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
VARNER CREEK UD	H	BRAZOS	BRAZORIA	084370000	08437000002012	None	GULF COAST AQUIFER	H	BRAZOS	BRAZORIA	0201512	0	45	108	166	228	296	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
WALKER COUNTY RURAL WSC	H	TRINITY	WALKER	084372000	08437200023608	None	SPARTA AQUIFER	H	TRINITY	WALKER	2362708	0	78	119	119	131	146	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
WALLER	H	SAN JACINTO	HARRIS	080629000	08062900010110	None	GULF COAST AQUIFER	H	SAN JACINTO	WALLER	2371510	0	70	112	146	179	10	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
WALLER	H	SAN JACINTO	WALLER	080629000	08062900023710	None	GULF COAST AQUIFER	H	SAN JACINTO	WALLER	2371510	0	72	156	252	366	501	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
WALLIS	H	BRAZOS-COLORADO	AUSTIN	080630000	08063000000813	None	GULF COAST AQUIFER	H	BRAZOS-COLORADO	AUSTIN	0081513	0	16	24	29	31	36	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
WEBSTER	H	SAN JACINTO-BRAZOS	HARRIS	080635000	08063500010111	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	HARRIS	1011511	0	68	135	135	135	135	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
WEST HARDIN WSC	H	NECHES	LIBERTY	084383000	08438300014606	None	GULF COAST AQUIFER	H	NECHES	LIBERTY	1461506	0	6	13	18	25	34	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
WEST UNIVERSITY PL.	H	SAN JACINTO	HARRIS	080643000	08064300010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	35	48	48	48	48	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
FORT BEND COUNTY MUD #25	H	SAN JACINTO-BRAZOS	FORT BEND	084122000	08412200007911	None	FORT BEND MUD 25 REUSE	H	SAN JACINTO-BRAZOS	FORT BEND	FBM2511	0	589	589	589	589	589	Y	FORT BEND MUD 25 REUSE	FORT BEND MUD 25 REUSE
COUNTY-OTHER	H	BRAZOS	FORT BEND	080757079	08075707907912	BRAZOS RIVER AUTHORITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	13940	Y	FORT BEND OCR	BRA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO	FORT BEND	080757079	08075707907910	BRAZOS RIVER AUTHORITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	1800	Y	FORT BEND OCR	BRA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	FORT BEND	080757079	08075707907911	BRAZOS RIVER AUTHORITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	9339	Y	FORT BEND OCR	BRA to WUG Contract
FAIRCHILDS	H	BRAZOS	FORT BEND	081019000	08101900007912	BRAZOS RIVER AUTHORITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	338	Y	FORT BEND OCR	BRA to WUG Contract
FIRST COLONY MUD #9	H	BRAZOS	FORT BEND	084113000	08411300007912	MISSOURI CITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	140	Y	FORT BEND OCR	Missouri City to WUG Contract
FORT BEND COUNTY MUD #106	H	BRAZOS	FORT BEND	084117000	08411700007912	SUGAR LAND	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	161	Y	FORT BEND OCR	Sugar Land to WUG Contract
FORT BEND COUNTY MUD #23	H	SAN JACINTO-BRAZOS	FORT BEND	084121000	08412100007911	MISSOURI CITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	103	Y	FORT BEND OCR	Missouri City to WUG Contract
FORT BEND COUNTY MUD #25	H	SAN JACINTO-BRAZOS	FORT BEND	084122000	08412200007911	BRAZOS RIVER AUTHORITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	1950	Y	FORT BEND OCR	BRA to WUG Contract
FORT BEND COUNTY MUD #81	H	BRAZOS	FORT BEND	084129000	08412900007912	BRAZOS RIVER AUTHORITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	796	Y	FORT BEND OCR	BRA to WUG Contract
MANUFACTURING	H	BRAZOS	FORT BEND	081001079	08100107907912	BRAZOS RIVER AUTHORITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	16	Y	FORT BEND OCR	BRA to WUG Contract
MANUFACTURING	H	SAN JACINTO	FORT BEND	081001079	08100107907910	BRAZOS RIVER AUTHORITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	5	Y	FORT BEND OCR	BRA to WUG Contract
MINING	H	BRAZOS	FORT BEND	081003079	08100307907912	BRAZOS RIVER AUTHORITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	11	Y	FORT BEND OCR	BRA to WUG Contract
MINING	H	SAN JACINTO	FORT BEND	081003079	08100307907910	BRAZOS RIVER AUTHORITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	5	Y	FORT BEND OCR	BRA to WUG Contract
MINING	H	SAN JACINTO-BRAZOS	FORT BEND	081003079	08100307907911	GULF COAST WATER AUTHORITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	16	Y	FORT BEND OCR	GCWA to WUG Contract
MISSOURI CITY	H	SAN JACINTO	FORT BEND	080409000	08040900007910	MISSOURI CITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	723	Y	FORT BEND OCR	Missouri City to WUG Contract
MISSOURI CITY	H	SAN JACINTO-BRAZOS	FORT BEND	080409000	08040900007911	MISSOURI CITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	3535	Y	FORT BEND OCR	Missouri City to WUG Contract
ORBIT SYSTEMS INC	H	SAN JACINTO-BRAZOS	FORT BEND	084294000	08429400007911	BRAZOS RIVER AUTHORITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	5	Y	FORT BEND OCR	BRA to WUG Contract
PLANTATION MUD	H	SAN JACINTO-BRAZOS	FORT BEND	084303000	08430300007911	SUGAR LAND	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	88	Y	FORT BEND OCR	Sugar Land to WUG Contract
RICHMOND	H	BRAZOS	FORT BEND	080500000	08050000007912	RICHMOND-ROSENBERG	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	167	Y	FORT BEND OCR	Richmond-Rosenberg to WUG Contract
ROSENBERG	H	BRAZOS	FORT BEND	080518000	08051800007912	RICHMOND-ROSENBERG	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	90	3630	Y	FORT BEND OCR	Richmond-Rosenberg to WUG Contract
STEAM ELECTRIC POWER	H	BRAZOS	FORT BEND	081002079	08100207907912	NRG	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	8500	Y	FORT BEND OCR	NRG to WUG Contract
SUGAR LAND	H	SAN JACINTO-BRAZOS	FORT BEND	080585000	08058500007911	SUGAR LAND	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	673	Y	FORT BEND OCR	Sugar Land to WUG Contract
MANUFACTURING	H	BRAZOS	BRAZORIA	081001020	08100102002012	BRAZOS RIVER AUTHORITY	FREEPORT DESALINATION PLANT	H	GULF	RESERVOIR	FPDESAL24	0	0	0	0	29116	29116	Y	FREEPORT DESALINATION PLANT	BRA to WUG Contract
MANUFACTURING	H	SAN JACINTO-BRAZOS	BRAZORIA	081001020	08100102002011	BRAZOS RIVER AUTHORITY	FREEPORT DESALINATION PLANT	H	GULF	RESERVOIR	FPDESAL24	0	0	0	0	4484	4484	Y	FREEPORT DESALINATION PLANT	BRA to WUG Contract
FULSHEAR	H	BRAZOS	FORT BEND	080869000	08086900007912	none	FULSHEAR REUSE	H	BRAZOS	FORT BEND	FURU12	0	172	258	258	258	258	Y	FULSHEAR REUSE	Fulshear Reuse
FULSHEAR	H	SAN JACINTO-BRAZOS	FORT BEND	080869000	08086900007911	none	FULSHEAR REUSE	H	BRAZOS	FORT BEND	FURU12	0	115	172	172	172	172	Y	FULSHEAR REUSE	Fulshear Reuse
MANUFACTURING	H	BRAZOS	BRAZORIA	081001020	08100102002012	GULF COAST WATER AUTHORITY	GCWA OFFCHANNEL RESERVOIR	H	SAN JACINTO-BRAZOS	RESERVOIR	GCWAOC11	0	0	37920	37920	37920	37920	Y	GCWA OFFCHANNEL RESERVOIR	GCWA to WUG Contract
MANUFACTURING	H	SAN JACINTO-BRAZOS	BRAZORIA	081001020	08100102002011	GULF COAST WATER AUTHORITY	GCWA OFFCHANNEL RESERVOIR	H	SAN JACINTO-BRAZOS	RESERVOIR	GCWAOC11	0	0	1580	1580	1580	1580	Y	GCWA OFFCHANNEL RESERVOIR	GCWA to WUG Contract
HARRIS COUNTY MUD #50	H	SAN JACINTO	HARRIS	084185000	08418500010110	none	SAN JACINTO RIVER RUN-OF-RIVER	H	SAN JACINTO	HARRIS	346100495410	560	560	560	560	560	560	N	Harris County MUD 50 WTP	Harris County MUD 50 WTP
HARRIS COUNTY MUD #50	H	SAN JACINTO	HARRIS	084185000	08418500010110	none	HOUSTON LAKE/RESERVOIR	H	SAN JACINTO	RESERVOIR	1003010	0	0	0	0	28	72	N	Harris County MUD 50 WTP	Harris County MUD 50 WTP
COUNTY-OTHER	H	SAN JACINTO	HARRIS	080757101	08075710110110	CITY OF HOUSTON	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	351010110	0	0	0	11372	32445	32445	Y	HOUSTON INDIRECT REUSE	HOUSTON INDIRECT REUSE
HOUSTON	H	SAN JACINTO	HARRIS	080285000	08028500010110	CITY OF HOUSTON	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	351010110	0	0	0	12518	20450	66201	Y	HOUSTON INDIRECT REUSE	HOUSTON INDIRECT REUSE
MANUFACTURING	H	SAN JACINTO-BRAZOS	HARRIS	081001101	08100110110111	CITY OF HOUSTON	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	351010110	0	0	0	14250	16080	16080	Y	HOUSTON INDIRECT REUSE	HOUSTON INDIRECT REUSE
NHCRWA	H	SAN JACINTO	HARRIS	088000000	08800000010110	NHCRWA	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	351010110	0	0	0	18130	31629	0	Y	HOUSTON INDIRECT REUSE	HOUSTON INDIRECT REUSE
STEAM ELECTRIC POWER	H	SAN JACINTO	HARRIS	081002101	08100210110110	CITY OF HOUSTON	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	351010110	0	0	0	8634	12318	12318	Y	HOUSTON INDIRECT REUSE	HOUSTON INDIRECT REUSE
STEAM ELECTRIC POWER	H	SAN JACINTO-BRAZOS	HARRIS	081002101	08100210110111	CITY OF HOUSTON	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	351010110	0	0	0	1516	1757	1757	Y	HOUSTON INDIRECT REUSE	HOUSTON INDIRECT REUSE
MANUFACTURING	H	SAN JACINTO-BRAZOS	FORT BEND	081001079	08100107907911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	0	558	558	558	558	558	Y	INDUSTRIAL CONSERVATION	INDUSTRIAL CONSERVATION
BEACH CITY	H	TRINITY	CHAMBERS	080822000	08082200003608	None	GULF COAST AQUIFER	H	TRINITY	CHAMBERS	0361508	32	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
CLEAR LAKE SHORES	H	SAN JACINTO-BRAZOS	GALVESTON	080764000	08076400008411	none	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	83	0	0	0	0	0	Y	INTERIM Groundwater	INTERIM GROUNDWATER
CONROE	H	SAN JACINTO	MONTGOMERY	080130000	08013000017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	1870	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
CONSUMERS WATER INC	H	SAN JACINTO	MONTGOMERY	084072000	08407200017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	38	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
COUNTY-OTHER	H	BRAZOS	BRAZORIA	080757020	08075702002012	none	GULF COAST AQUIFER	H	BRAZOS	BRAZORIA	0201512	0	0	0	0	0	0	Y	INTERIM GROUNDWATER	INTERIM GROUNDWATER
COUNTY-OTHER	H	TRINITY	CHAMBERS	080757036	08075703603608	None	GULF COAST AQUIFER	H	TRINITY	CHAMBERS	0361508	193	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
COUNTY-OTHER	H	SAN JACINTO	MONTGOMERY	080757170	08075717017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	3989	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
CRYSTAL SPRNGS WATER COMPANY	H	SAN JACINTO	MONTGOMERY	084081000	08408100017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	103	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
CUT AND SHOOT	H	SAN JACINTO	MONTGOMERY	080854000	08085400017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	36	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
DICKINSON	H	SAN JACINTO-BRAZOS	GALVESTON	080165000	08016500008411	none	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	489	0	0	0	0	0	Y	INTERIM Groundwater	INTERIM GROUNDWATER
EAST PLANTATION UD	H	SAN JACINTO	MONTGOMERY	084098000	08409800017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	82	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
H M W SUD	H	SAN JACINTO	MONTGOMERY	084147000	08414700017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	282	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
KEMAH	H	SAN JACINTO-BRAZOS	GALVESTON	080316000	08031600008411	none	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	171	0	0	0	0	0	Y	INTERIM Groundwater	INTERIM GROUNDWATER
LEAGUE CITY	H	SAN JACINTO-BRAZOS	GALVESTON	080350000	08035000008411	none	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	2835	0	0	0	0	0	Y	INTERIM Groundwater	INTERIM GROUNDWATER
LEAGUE CITY	H	SAN JACINTO-BRAZOS	HARRIS	080350000	08035000010111	none	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	15	0	0	0	0	0	Y	INTERIM GROUNDWATER	INTERIM GROUNDWATER
LIVESTOCK	H	NECHES-TRINITY	GALVESTON	081005084	08100508408407	none	GULF COAST AQUIFER	H	NECHES-TRINITY	GALVESTON	0841507	14	0	0	0	0	0	Y	INTERIM Groundwater	INTERIM GROUNDWATER
MAGNOLIA	H	SAN JACINTO	MONTGOMERY	080907000	08090700017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	77	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
MANUFACTURING	H	BRAZOS	BRAZORIA	081001020	08100102002012	none	GULF COAST AQUIFER	H	BRAZOS	BRAZORIA	0201512	24916	0	0	0	0	0	Y	INTERIM GROUNDWATER	INTERIM GROUNDWATER
MANUFACTURING	H	SAN JACINTO	MONTGOMERY	081001170	08100117017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	469	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
MINING	H	BRAZOS	BRAZORIA	081003020	08100302002012	none	GULF COAST AQUIFER	H	BRAZOS	BRAZORIA	0201512	0	0	0	0	0	0	Y	INTERIM GROUNDWATER	INTERIM GROUNDWATER
MINING	H	BRAZOS-COLORADO	BRAZORIA	081003020	08100302002013	none	GULF COAST AQUIFER	H	BRAZOS-COLORADO	BRAZORIA	0201513	0	0	0	0	0	0	Y	INTERIM GROUNDWATER	INTERIM GROUNDWATER
MINING	H	SAN JACINTO-BRAZOS	BRAZORIA	081003020	08100302002011	none	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	0	0	0	0	0	Y	INTERIM GROUNDWATER	INTERIM GROUNDWATER
MINING	H	SAN JACINTO-BRAZOS	GALVESTON	081003084	08100308408411	none	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	15	0	0	0	0	0	Y	INTERIM Groundwater	INTERIM GROUNDWATER
MINING	H	SAN JACINTO	MONTGOMERY	081003170	08100317017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	110	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
MONT BELVIEU	H	TRINITY	CHAMBERS	080413000	08041300003608	None	GULF COAST AQUIFER	H	TRINITY	CHAMBERS	0361508	516	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
MONTGOMERY	H	SAN JACINTO	MONTGOMERY	MONTGOMERY	MONTGOMERY17010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	43	0

Region H

Table 4A-7: WMS Supply Allocations by WUG

WUG Name	WUG RWPG	WUG Basin	WUG County	WUG ID	WUG-County-Basin ID	Wholesale Water Provider	Water Source	Source RWPG	Source Basin	Source County	Source-Basin ID	2010	2020	2030	2040	2050	2060	Non-Recursive Volume?	Major WMS Project Name	WUG-Level WMS Name
PANORAMA VILLAGE	H	SAN JACINTO	MONTGOMERY	080732000	08073200017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	114	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
PATTON VILLAGE	H	SAN JACINTO	MONTGOMERY	080734000	08073400017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	15	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
POINT AQUARIUS MUD	H	SAN JACINTO	MONTGOMERY	084305000	08430500017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	124	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
PORTER WSC	H	SAN JACINTO	MONTGOMERY	084307000	08430700017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	323	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
RAYFORD ROAD MUD	H	SAN JACINTO	MONTGOMERY	084312000	08431200017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	384	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
RIVER PLANTATION MUD	H	SAN JACINTO	MONTGOMERY	084322000	08432200017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	141	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
ROMAN FOREST	H	SAN JACINTO	MONTGOMERY	080801000	08080100017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	93	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
SHENANDOAH	H	SAN JACINTO	MONTGOMERY	080745000	08074500017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	297	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
SOUTHERN MONTGOMERY COUNTY MUD	H	SAN JACINTO	MONTGOMERY	084339000	08433900017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	315	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
SOUTHWEST UTILITIES	H	SAN JACINTO	MONTGOMERY	084343000	08434300017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	43	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
SPLENDORA	H	SAN JACINTO	MONTGOMERY	080962000	08096200017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	33	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
SPRING CREEK UD	H	SAN JACINTO	MONTGOMERY	084344000	08434400017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	91	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
STAGECOACH	H	SAN JACINTO	MONTGOMERY	STAGECOACH	STAGECOACH17010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	14	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
STANLEY LAKE MUD	H	SAN JACINTO	MONTGOMERY	084347000	08434700017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	126	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
STEAM ELECTRIC POWER	H	SAN JACINTO-BRAZOS	GALVESTON	081002084	08100208408411	none	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	2803	0	0	0	0	0	Y	INTERIM Groundwater	INTERIM GROUNDWATER
THE WOODLANDS	H	SAN JACINTO	MONTGOMERY	088001000	08800100017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	2438	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
WILLIS	H	SAN JACINTO	MONTGOMERY	080655000	08065500017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	96	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
WOODBRANCH	H	SAN JACINTO	MONTGOMERY	080807000	08080700017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	32	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
IRRIGATION	H	BRAZOS	BRAZORIA	081004020	08100402002012	None	CONSERVATION	H	BRAZOS	BRAZORIA	381302012	582	582	582	582	582	582	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	BRAZOS-COLORADO	BRAZORIA	081004020	08100402002013	None	CONSERVATION	H	BRAZOS-COLORADO	BRAZORIA	381302013	771	771	771	771	771	771	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	SAN JACINTO-BRAZOS	BRAZORIA	081004020	08100402002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381302011	17439	17439	17439	17439	17439	17439	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	NECHES-TRINITY	CHAMBERS	081004036	08100403603607	None	CONSERVATION	H	NECHES-TRINITY	CHAMBERS	380803607	16981	16981	16981	16981	16981	16981	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	TRINITY	CHAMBERS	081004036	08100403603608	None	CONSERVATION	H	TRINITY	CHAMBERS	380803608	6677	6677	6677	6677	6677	6677	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	TRINITY-SAN JACINTO	CHAMBERS	081004036	08100403603609	None	CONSERVATION	H	TRINITY-SAN JACINTO	CHAMBERS	380803609	360	360	360	360	360	360	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	BRAZOS	FORT BEND	081004079	08100407907912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	1757	1757	1757	1757	1651	1388	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	BRAZOS-COLORADO	FORT BEND	081004079	08100407907913	None	CONSERVATION	H	BRAZOS-COLORADO	FORT BEND	381207913	0	0	0	0	106	369	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	SAN JACINTO-BRAZOS	FORT BEND	081004079	08100407907911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381207911	3440	3440	3440	3440	3440	3440	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	SAN JACINTO-BRAZOS	GALVESTON	081004084	08100408408411	None	CONSERVATION	H	SAN JACINTO-BRAZOS	GALVESTON	381108411	2392	2392	2392	2392	2392	2392	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	NECHES	LIBERTY	081004146	08100414614606	None	CONSERVATION	H	NECHES	LIBERTY	380814606	835	835	835	835	835	835	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	NECHES-TRINITY	LIBERTY	081004146	08100414614607	None	CONSERVATION	H	NECHES-TRINITY	LIBERTY	380814607	2088	2088	2088	2088	2088	2088	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	SAN JACINTO	LIBERTY	081004146	08100414614610	None	CONSERVATION	H	SAN JACINTO	LIBERTY	380814610	209	209	209	209	209	209	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	TRINITY	LIBERTY	081004146	08100414614608	None	CONSERVATION	H	TRINITY	LIBERTY	380814608	13360	13360	13360	13360	13360	13360	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	TRINITY-SAN JACINTO	LIBERTY	081004146	08100414614609	None	CONSERVATION	H	TRINITY-SAN JACINTO	LIBERTY	380814609	4384	4384	4384	4384	4384	4384	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	BRAZOS	WALLER	081004237	08100423723712	None	CONSERVATION	H	BRAZOS	WALLER	381023712	0	0	0	0	1387	1387	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	SAN JACINTO	WALLER	081004237	08100423723710	None	CONSERVATION	H	SAN JACINTO	WALLER	381023710	0	0	0	0	5219	5219	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	LIBERTY	084226000	08422600014608	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	72	71	72	73	77	80	N	LLWSSSC SURFACE WATER PROJECT	PROJECT
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	POLK	084226000	08422600018708	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	591	577	569	568	571	577	N	LLWSSSC SURFACE WATER PROJECT	PROJECT
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	SAN JACINTO	SAN JACINTO	084226000	08422600020410	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	63	70	73	75	75	74	N	LLWSSSC SURFACE WATER PROJECT	PROJECT
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	SAN JACINTO	084226000	08422600020408	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	137	150	159	163	162	158	N	LLWSSSC SURFACE WATER PROJECT	PROJECT
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	TRINITY	084226000	08422600022808	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	72	68	64	59	54	50	N	LLWSSSC SURFACE WATER PROJECT	PROJECT
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	WALKER	084226000	08422600023608	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	19	18	17	16	15	15	N	LLWSSSC SURFACE WATER PROJECT	PROJECT
STEAM ELECTRIC POWER	H	BRAZOS	FORT BEND	081002079	08100207907912	NRG	MILLICAN LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	MLR12	0	0	0	0	0	0	Y	MILLICAN LAKE/RESERVOIR	NRG to WUG Contract
MISSOURI CITY	H	BRAZOS	FORT BEND	080409000	08040900007912	MISSOURI CITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	346120516812	0	157	157	157	157	157	Y	MISSOURI CITY GRP - ASR	Missouri City GRP - ASR
MISSOURI CITY	H	SAN JACINTO	FORT BEND	080409000	08040900007910	MISSOURI CITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	346120516812	0	662	662	662	662	662	Y	MISSOURI CITY ASR	Missouri City GRP - ASR
MISSOURI CITY	H	SAN JACINTO-BRAZOS	FORT BEND	080409000	08040900007911	MISSOURI CITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	346120516812	0	2955	2955	2955	2955	2955	Y	MISSOURI CITY ASR	Missouri City GRP - ASR
MISSOURI CITY	H	SAN JACINTO	HARRIS	080409000	08040900010110	MISSOURI CITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	346120516812	0	373	373	373	373	373	Y	MISSOURI CITY ASR	Missouri City GRP - ASR
COUNTY-OTHER	H	BRAZOS	FORT BEND	080757079	08075707907912	MISSOURI CITY	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	172	859	929	946	959	Y	MISSOURI CITY GRP	Missouri City GRP Participation
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	FORT BEND	080757079	08075707907911	MISSOURI CITY	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	FORT BEND	0791511	0	26	85	594	778	829	Y	MISSOURI CITY GRP	Missouri City GRP Participation
FIRST COLONY MUD #9	H	BRAZOS	FORT BEND	084113000	08411300007912	MISSOURI CITY	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	342	390	163	78	50	Y	MISSOURI CITY GRP	Missouri City GRP Participation
FORT BEND COUNTY MUD #23	H	SAN JACINTO-BRAZOS	FORT BEND	084121000	08412100007911	MISSOURI CITY	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	FORT BEND	0791511	0	464	526	210	94	58	Y	MISSOURI CITY GRP	Missouri City GRP Participation
MISSOURI CITY	H	BRAZOS	FORT BEND	080409000	08040900007912	MISSOURI CITY	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	-514	-1249	-1092	-1024	-1009	Y	MISSOURI CITY GRP	Missouri City GRP Participation
MISSOURI CITY	H	SAN JACINTO-BRAZOS	FORT BEND	080409000	08040900007911	MISSOURI CITY	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	FORT BEND	0791511	0	-464	-526	-683	-751	-766	Y	MISSOURI CITY GRP	Missouri City GRP Participation
SIENNA PLANTATION MUD #2	H	SAN JACINTO-BRAZOS	FORT BEND	084334000	08433400007911	MISSOURI CITY	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	FORT BEND	0791511	0	-26	-85	-121	-121	-121	Y	MISSOURI CITY GRP	Missouri City GRP Participation
MISSOURI CITY	H	BRAZOS	FORT BEND	080409000	08040900007912	MISSOURI CITY	MISSOURI CITY GRP REUSE	H	SAN JACINTO-BRAZOS	FORT BEND	MORU11	0	470	470	470	470	470	Y	MISSOURI CITY GRP REUSE	MISSOURI CITY GRP REUSE
MISSOURI CITY	H	SAN JACINTO	FORT BEND	080409000	08040900007910	MISSOURI CITY	MISSOURI CITY GRP REUSE	H	SAN JACINTO-BRAZOS	FORT BEND	MORU11	0	53	53	53	53	53	Y	MISSOURI CITY GRP REUSE	MISSOURI CITY GRP REUSE
MISSOURI CITY	H	SAN JACINTO-BRAZOS	FORT BEND	080409000	08040900007911	MISSOURI CITY	MISSOURI CITY GRP REUSE	H	SAN JACINTO-BRAZOS	FORT BEND	MORU11	0	104	104	104	104	104	Y	MISSOURI CITY GRP REUSE	MISSOURI CITY GRP REUSE
MISSOURI CITY	H	SAN JACINTO	HARRIS	080409000	08040900010110	MISSOURI CITY	MISSOURI CITY GRP REUSE	H	SAN JACINTO-BRAZOS	FORT BEND	MORU11	0	13	13	13	13	13	Y	MISSOURI CITY GRP REUSE	MISSOURI CITY GRP REUSE
MONTGOMERY COUNTY MUD #8	H	SAN JACINTO	MONTGOMERY	084263000	08426300017010	SAN JACINTO RIVER AUTHORITY	MONTGOMERY COUNTY GRP REUSE	H	SAN JACINTO	MONTGOMERY	MCGR10	0	332	401	534	534	534	Y	MUD 8 AND 9 REUSE	MUD 8 AND 9 REUSE
MONTGOMERY COUNTY MUD #9	H	SAN JACINTO	MONTGOMERY	084264000	08426400017010	SAN JACINTO RIVER AUTHORITY	MONTGOMERY COUNTY GRP REUSE	H	SAN JACINTO	MONTGOMERY	MCGR10	0	325	415	586	586	586	Y	MUD 8 AND 9 REUSE	MUD 8 AND 9 REUSE
ALVIN	H	SAN JACINTO-BRAZOS	BRAZORIA	080013000	08001300002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	0	170	218	226	237	252	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
AMES	H	TRINITY	LIBERTY	080676000	08067600014608	None	CONSERVATION	H	TRINITY	LIBERTY	380814608	0	9	10	11	12	14	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
ANGLETON	H	SAN JACINTO-BRAZOS	BRAZORIA	080018000	08001800002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	141	141	142	143	146	152	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
ARCOLA	H	SAN JACINTO-BRAZOS	FORT BEND	080998000	08099800007911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	22	24	26	29	31	35	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BAILEY'S PRAIRIE	H	BRAZOS	BRAZORIA	080817000	08081700002012	None	CONSERVATION	H	BRAZOS	BRAZORIA	381202012	0	0	0	1	1	1	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BAYTOWN	H	TRINITY-SAN JACINTO	CHAMBERS	080042000	08004200003609	None	CONSERVATION	H	TRINITY-SAN JACINTO	CHAMBERS	3890369	30	66	71	75	80	86	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BAYTOWN	H	SAN JACINTO	HARRIS	080042000	08004200010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	31	63	63	63	64	66	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BAYTOWN	H	TRINITY-SAN JACINTO	HARRIS	080042000	08004200010109	None	CONSERVATION	H	TRINITY-SAN JACINTO	HARRIS	3891019	527	1054	1060	1065	1084	1111	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BEACH CITY	H	TRINITY	CHAMBERS	080822000	08082200003608	None	CONSERVATION	H	TRINITY	CHAMBERS	3880368	0	0	0	0	0	5	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BEACH CITY	H	TRINITY-SAN JACINTO	CHAMBERS	080822000	08082200003609	None	CONSERVATION	H	TRINITY-SAN JACINTO	CHAMBERS	3890369	15	20	24	28	32	36	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BEASLEY	H	BRAZOS	FORT BEND	081012000	08101200007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	1	1	1	1	1	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BEASLEY	H	BRAZOS-COLORADO	FORT BEND	081012000	08101200007913	None	CONSERVATION	H	BRAZOS-COLORADO	FORT BEND	381307913	0	5	6	7	8	9	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BELLAIRE	H	SAN JACINTO	HARRIS	080046000	08004600010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	237	253	270	287	305	325	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BELLVILLE	H	BRAZOS	AUSTIN	080048000	08004800000812	None	CONSERVATION	H	BRAZOS	AUSTIN	381200812	0	88	99	105	108	113	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BLUE BELL MANOR UTILITY COMPANY	H	SAN JACINTO	HARRIS	084026000	08402600010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	32	31	31	30	30	30	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BOLIVAR PENINSULAR SUD	H	NECHES-TRINITY	GALVESTON	084027000	08402700008407	None	CONSERVATION	H	NECHES-TRINITY	GALVESTON	380708407	67	72	74	75	75	76	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BRAZORIA COUNTY MUD #1	H	SAN JACINTO-BRAZOS	BRAZORIA	084030000	08403000002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	0	72	95	114	135	158	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BRAZORIA COUNTY MUD #2	H	BRAZOS	BRAZORIA	084031000	08403100002012	None	CONSERVATION	H	BRAZOS	BRAZORIA	381202012	0	95	122	147	173	201	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BRAZORIA COUNTY MUD #3	H	SAN JACINTO-BRAZOS	BRAZORIA	084032000	08403200002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	0	52	68	82	97	113	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BRITMOORE UTILITIES	H	SAN JACINTO	HARRIS	084036000	08403600010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	26	31	35	39	43	48	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BROOKSHIRE	H	BRAZOS	WALLER	080077000	08007700023712	None	CONSERVATION	H	BRAZOS	WALLER	381223712	0	50	62	75	90	109	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BROOKSIDE VILLAGE	H	SAN JACINTO-BRAZOS	BRAZORIA	080078000	08007800002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	0	16	18	19	21	23	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BUFFALO	H	TRINITY	LEON	080083000	08008300014508	None	CONSERVATION	H	TRINITY	LEON	380814508	0	21	22	22	22	22	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BUNKER HILL VILLAGE	H	SAN JACINTO	HARRIS	080085000	08008500010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	90	89	88	87	87	87	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CANDLELIGHT HILLS SUBDIVISION	H	SAN JACINTO	HARRIS	084043000	08404300010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	25	29	34	38	43	47	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CENTERVILLE	H	TRINITY	LEON	080105000	08010500014508	None	CONSERVATION	H	TRINITY	LEON	380814508	0	11	12	11	11	11	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CHCRWA	H	SAN JACINTO	HARRIS	CHCRWA	CHCRWA10110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	0	357	357	357	357	357	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CHIMNEY HILL MUD	H	SAN JACINTO	HARRIS	084053000	08405300010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	0	26	37	37	36	36	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CLEAR LAKE SHORES	H	SAN JACINTO-BRAZOS	GALVESTON	080764000	08076400008411	None	CONSERVATION	H	SAN JACINTO-BRAZOS	GALVESTON	381108411	16	16	16	16	16	16	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CLEVELAND	H	SAN JACINTO	LIBERTY	080116000	08011600014610	None	CONSERVATION	H	SAN JACINTO	LIBERTY	380114610	0	24	51	75	87	91	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CLUTE	H	SAN JACINTO-BRAZOS	BRAZORIA	080118000	08011800002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	34	67	80	82	86	90	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COLDSPRING	H	SAN JACINTO	SAN JACINTO	080122000	08012200020410	None	CONSERVATION	H	SAN JACINTO	SAN JACINTO	381020410	0	3	3	3	3	3	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COLDSPRING	H	TRINITY	SAN JACINTO	080122000	08012200020408	None	CONSERVATION	H	TRINITY	SAN JACINTO	380820408	0	10	11	12	12	12	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CONROE	H	SAN JACINTO	MONTGOMERY	081030000	08013000017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	714	925	1174	1457	1830	2273	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CONSOLIDATED WSC	H	TRINITY	WALKER	084071000	08407100002608	None	CONSERVATION	H	TRINITY	WALKER	380823608	0	0	0	0	0	0	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CONSUMERS WATER INC	H	SAN JACINTO	HARRIS	084072000	08407200010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	24	31	39	46	53	61	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CONSUMERS WATER INC	H	SAN JACINTO	MONTGOMERY	084072000	08407200017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	13	14	18	22	28	35	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	BRAZOS-COLORADO	AUSTIN	080757008	08075700800813	None	CONSERVATION	H	BRAZOS-COLORADO	AUSTIN	381300813	0	17	18	19	19	19	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	COLORADO	AUSTIN	080757008	08075700800814	None	CONSERVATION	H	COLORADO	AUSTIN	381400814	0	2	2	2	2	2	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	BRAZOS	BRAZORIA	080757020	08075702002012	None	CONSERVATION	H	BRAZOS	BRAZORIA	381202012	7	7	8	8	8	9	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	BRAZOS-COLORADO	BRAZORIA	080757020	08075702002013	None	CONSERVATION	H	BRAZOS-COLORADO	BRAZORIA	381302013	235	249	264	275	290	306	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	BRAZORIA	080757020	08075702002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	559	613	679	734	800	872	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	NECHES-TRINITY	CHAMBERS	080757036	08075703603607	None	CONSERVATION	H	NECHES-TRINITY	CHAMBERS	3870367	3	3	3	2	2	2	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	TRINITY	CHAMBERS	080757036	08075703603608	None	CONSERVATION	H	TRINITY	CHAMBERS	3880368	14	13	13	12	12	12	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	TRINITY-SAN JACINTO	CHAMBERS	080757036	08075703603609	None	CONSERVATION	H	TRINITY-SAN JACINTO	CHAMBERS	3890369	9	9	8	8	8	7	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	BRAZOS	FORT BEND	080757079	08075707907912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	61	269	536	1068	1701	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	SAN JACINTO	FORT BEND	080757079	08075707907910	None	CONSERVATION	H	SAN JACINTO	FORT BEND	381007910	6	5	6	34	106	188	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	FORT BEND	080757079	08075707907911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	28	26	21	228	687	1196	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	SAN JACINTO	HARRIS	080757101	08075710110110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	0	0	823	1890	3350	4892	Y	MUNICIP

Region H

Table 4A-7: WMS Supply Allocations by WUG

WUG Name	WUG RWPG	WUG Basin	WUG County	WUG ID	WUG-County-Basin ID	Wholesale Water Provider	Water Source	Source RWPG	Source Basin	Source County	Source-Basin ID	2010	2020	2030	2040	2050	2060	Non-Recursive Volume?	Major WMS Project Name	WUG-Level WMS Name
COUNTY-OTHER	H	BRAZOS	WALLER	080757237	08075723723712	None	CONSERVATION	H	BRAZOS	WALLER	381223712	0	23	42	44	48	53	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	SAN JACINTO	WALLER	080757237	08075723723710	None	CONSERVATION	H	SAN JACINTO	WALLER	381023710	0	56	68	80	96	115	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CROSBY MUD	H	SAN JACINTO	HARRIS	084078001	08407800010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010210	0	0	0	0	0	11	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CRYSTAL SPRNGS WATER COMPANY	H	SAN JACINTO	HARRIS	084081000	08408100010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	1	2	2	2	3	3	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CRYSTAL SPRNGS WATER COMPANY	H	SAN JACINTO	MONTGOMERY	084081000	08408100017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	36	42	56	72	95	121	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CUT AND SHOOT	H	SAN JACINTO	MONTGOMERY	080854000	08085400017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	12	13	16	19	24	29	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
DAISETTA	H	NECHES	LIBERTY	080149000	08014900014606	None	CONSERVATION	H	NECHES	LIBERTY	380614606	0	1	2	3	3	4	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
DAISETTA	H	TRINITY	LIBERTY	080149000	08014900014608	None	CONSERVATION	H	TRINITY	LIBERTY	380814608	0	2	3	4	5	6	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
DANBURY	H	SAN JACINTO-BRAZOS	BRAZORIA	080693000	08069300002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	0	11	13	13	14	15	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
DAYTON	H	TRINITY	LIBERTY	080152000	08015200014608	None	CONSERVATION	H	TRINITY	LIBERTY	380814608	0	129	152	174	200	230	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
DEER PARK	H	SAN JACINTO	HARRIS	080154000	08015400010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	116	206	207	208	213	219	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
DEER PARK	H	SAN JACINTO-BRAZOS	HARRIS	080154000	08015400010111	None	CONSERVATION	H	SAN JACINTO-BRAZOS	HARRIS	381110111	177	316	318	320	326	335	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
DICKINSON	H	SAN JACINTO-BRAZOS	GALVESTON	080165000	08016500008411	None	CONSERVATION	H	SAN JACINTO-BRAZOS	GALVESTON	381108411	196	217	227	230	232	235	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
EAST PLANTATION UD	H	SAN JACINTO	MONTGOMERY	084098900	08409890017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	26	31	41	53	69	88	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
EL DORADO UD	H	SAN JACINTO	HARRIS	084101000	08410100010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	9	30	32	35	37	40	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
EL LAGO	H	SAN JACINTO-BRAZOS	HARRIS	080695000	08069500010111	None	CONSERVATION	H	SAN JACINTO-BRAZOS	HARRIS	381110111	30	29	28	28	28	28	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FAIRCHILDS	H	BRAZOS	FORT BEND	081019000	08101900007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	29	36	44	54	66	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FIRST COLONY MUD #9	H	BRAZOS	FORT BEND	084113000	08411300007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	85	87	90	93	96	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FLO COMMUNITY WSC	H	TRINITY	LEON	084114000	08411400014508	None	CONSERVATION	H	TRINITY	LEON	380814508	0	31	34	34	33	34	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FORT BEND COUNTY MUD #106	H	BRAZOS	FORT BEND	084117000	08411700007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	53	53	53	53	53	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FORT BEND COUNTY MUD #108	H	BRAZOS	FORT BEND	084118000	08411800007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	32	32	32	32	32	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FORT BEND COUNTY MUD #111	H	BRAZOS	FORT BEND	084119000	08411900007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	46	46	46	46	46	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FORT BEND COUNTY MUD #23	H	SAN JACINTO-BRAZOS	FORT BEND	084121000	08412100007911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	71	141	141	141	141	141	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FORT BEND COUNTY MUD #25	H	SAN JACINTO-BRAZOS	FORT BEND	084122000	08412200007911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	101	141	191	241	309	387	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FORT BEND COUNTY MUD #67	H	BRAZOS	FORT BEND	084126000	08412600007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	49	49	48	48	48	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FORT BEND COUNTY MUD #68	H	BRAZOS	FORT BEND	084127000	08412700007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	36	36	36	36	36	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FORT BEND COUNTY MUD #69	H	BRAZOS	FORT BEND	084128000	08412800007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	27	26	26	26	26	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FORT BEND COUNTY MUD #81	H	BRAZOS	FORT BEND	084129000	08412900007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	43	57	75	93	117	144	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FOUNTAINVIEW SUBDIVISION	H	SAN JACINTO	HARRIS	084132000	08413200010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	19	22	24	27	30	32	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FREEPORT	H	BRAZOS	BRAZORIA	080217000	08021700002012	None	CONSERVATION	H	BRAZOS	BRAZORIA	381202012	0	9	8	8	8	8	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FREEPORT	H	SAN JACINTO-BRAZOS	BRAZORIA	080217000	08021700002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	0	130	150	167	186	208	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FULSHEAR	H	BRAZOS	FORT BEND	080869000	08086900007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	12	15	19	22	28	33	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FULSHEAR	H	SAN JACINTO-BRAZOS	FORT BEND	080869000	08086900007911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	0	10	12	15	18	22	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
GALENA PARK	H	SAN JACINTO	HARRIS	080226000	08022600010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	78	78	79	79	81	84	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
GREEN TRAILS MUD	H	SAN JACINTO	HARRIS	084143000	08414300010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	51	57	64	71	77	84	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
H M W SUD	H	SAN JACINTO	MONTGOMERY	084147000	08414700017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	108	118	145	175	218	267	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARDIN	H	TRINITY	LIBERTY	080878000	08087800014608	None	CONSERVATION	H	TRINITY	LIBERTY	380814608	0	9	10	11	12	13	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARDIN WSC	H	TRINITY	LIBERTY	084148000	08414800014608	None	CONSERVATION	H	TRINITY	LIBERTY	380814608	0	37	43	48	54	61	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY FWSD #47	H	SAN JACINTO	HARRIS	084149000	08414900010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	25	24	23	23	17	17	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY FWSD #51	H	SAN JACINTO	HARRIS	084150000	08415000010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	127	173	172	169	169	169	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY FWSD #6	H	SAN JACINTO	HARRIS	084151000	08415100010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	21	24	26	29	32	36	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #11	H	SAN JACINTO	HARRIS	084153000	08415300010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	23	26	29	32	35	38	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #119 INWOOD NORTH	H	SAN JACINTO	HARRIS	084154000	08415400010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	52	55	54	52	52	52	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #132	H	SAN JACINTO	HARRIS	084157000	08415700010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	105	130	154	178	202	227	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #151	H	SAN JACINTO	HARRIS	084159000	08415900010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	76	76	75	75	75	75	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #152	H	SAN JACINTO	HARRIS	084160000	08416000010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	47	60	73	86	100	113	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #153	H	SAN JACINTO	HARRIS	084161000	08416100010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	73	99	126	151	177	203	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #154	H	SAN JACINTO	HARRIS	084162000	08416200010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	40	49	58	67	75	85	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #158	H	SAN JACINTO	HARRIS	084165000	08416500010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	0	7	35	34	34	34	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #180	H	SAN JACINTO	HARRIS	084170000	08417000010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	37	44	51	59	66	74	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #189	H	SAN JACINTO	HARRIS	084174000	08417400010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	48	58	68	77	87	98	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #261	H	SAN JACINTO	HARRIS	084179000	08417900010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	48	48	48	48	48	48	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #345	H	SAN JACINTO	HARRIS	084182000	08418200010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	84	84	84	83	83	83	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #46	H	SAN JACINTO	HARRIS	084183000	08418300010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	50	49	48	48	48	48	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #5	H	SAN JACINTO	HARRIS	084184000	08418400010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	39	38	37	37	36	36	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #50	H	SAN JACINTO	HARRIS	084185000	08418500010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	0	0	27	44	46	49	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #53	H	SAN JACINTO	HARRIS	084186000	08418600010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	123	151	178	205	232	261	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #6	H	SAN JACINTO	HARRIS	084189000	08418900010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	42	45	48	52	55	60	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY UD #14	H	SAN JACINTO	HARRIS	084190000	08419000010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	32	35	38	41	44	47	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY UD #15	H	SAN JACINTO	HARRIS	084191000	08419100010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	24	27	30	33	36	40	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY WCID #1	H	SAN JACINTO	HARRIS	084193000	08419300010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	0	75	84	93	102	111	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY WCID #133	H	SAN JACINTO	HARRIS	084195000	08419500010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	45	45	45	44	44	44	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY WCID #21	H	SAN JACINTO	HARRIS	084196000	08419600010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	90	93	96	98	102	107	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY WCID #36	H	SAN JACINTO	HARRIS	084197001	08419700010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	85	92	98	105	112	120	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY WCID #50	H	SAN JACINTO	HARRIS	084198000	08419800010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	36	40	43	46	49	53	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY WCID #76	H	SAN JACINTO	HARRIS	084199000	08419900010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	16	16	16	15	15	15	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY WCID #84	H	SAN JACINTO	HARRIS	084200000	08420000010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	33	34	34	34	34	34	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HEDWIG VILLAGE	H	SAN JACINTO	HARRIS	080269000	08026900010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	46	46	45	45	45	45	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HEMPSTEAD	H	BRAZOS	WALLER	080271000	08027100023712	None	CONSERVATION	H	BRAZOS	WALLER	381223712	0	122	161	204	256	317	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HILLCREST	H	SAN JACINTO-BRAZOS	BRAZORIA	080881000	08088100002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	0	1	1	2	5	7	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HILLSHIRE VILLAGE	H	SAN JACINTO	HARRIS	081025000	08102500010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	0	10	10	10	10	10	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HOLIDAY LAKES	H	SAN JACINTO-BRAZOS	BRAZORIA	080779000	08077900002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	0	0	0	0	0	1	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HOUSTON	H	SAN JACINTO	FORT BEND	080285000	08028500007910	None	CONSERVATION	H	SAN JACINTO	FORT BEND	3880798	258	296	341	389	454	532	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HOUSTON	H	SAN JACINTO-BRAZOS	FORT BEND	080285000	08028500007911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	181	208	240	273	319	374	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HOUSTON	H	SAN JACINTO	HARRIS	080285000	08028500010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	22938	25284	27474	29731	32122	34704	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HOUSTON	H	SAN JACINTO-BRAZOS	HARRIS	080285000	08028500010111	None	CONSERVATION	H	SAN JACINTO-BRAZOS	HARRIS	381110111	1278	1409	1531	1657	1790	1934	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HOUSTON	H	SAN JACINTO	MONTGOMERY	080285000	08028500017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	12	13	24	33	45	59	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HUMBLE	H	SAN JACINTO	HARRIS	080289000	08028900010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	232	258	283	308	334	362	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HUNTERS CREEK VILLAGE	H	SAN JACINTO	HARRIS	080290000	08029000010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	104	111	118	125	132	139	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
IOWA COLONY	H	SAN JACINTO-BRAZOS	BRAZORIA	080885000	08088500002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	0	7	7	7	8	9	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
JACINTO CITY	H	SAN JACINTO	HARRIS	080301000	08030100010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	0	0	57	92	97	102	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
JERSEY VILLAGE	H	SAN JACINTO	HARRIS	080709000	08070900010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	0	112	129	147	164	182	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
JEWETT	H	BRAZOS	LEON	080887000	08088700014512	None	CONSERVATION	H	BRAZOS	LEON	381214512	0	3	4	4	3	4	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
JEWETT	H	TRINITY	LEON	080887000	08088700014508	None	CONSERVATION	H	TRINITY	LEON	380814508	0	10	11	11	10	11	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
KATY	H	SAN JACINTO	FORT BEND	080312000	08031200007910	None	CONSERVATION	H	SAN JACINTO	FORT BEND	381007910	18	24	31	38	47	58	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
KATY	H	SAN JACINTO	HARRIS	080312000	08031200010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	203	245	288	332	374	419	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
KATY	H	SAN JACINTO	WALLER	080312000	08031200023710	None	CONSERVATION	H	SAN JACINTO	WALLER	381023710	17	26	35	46	58	73	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
KEMAH	H	SAN JACINTO-BRAZOS	GALVESTON	080316000	08031600008411	None	CONSERVATION	H	SAN JACINTO-BRAZOS	GALVESTON	381108411	15	18	19	20	20	20	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
KENDLETON	H	BRAZOS-COLORADO	FORT BEND	KENDLETON	KENDLETON07913	None	CONSERVATION	H	BRAZOS-COLORADO	FORT BEND	381307913	0	11	14	18	23	30	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
KENEFICK	H	TRINITY	LIBERTY	081033000	08103300014608	None	CONSERVATION	H	TRINITY	LIBERTY	380814608	0	6	7	8	9	10	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
LAKE JACKSON	H	SAN JACINTO-BRAZOS	BRAZORIA	080338000	08033800002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	255	275	292	310	330	355	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	LIBERTY	084226000	08422600014608	None	CONSERVATION	H	TRINITY	LIBERTY	380814608	0	7	8	8	9	10	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	POLK	084226000	08422600018708	None	CONSERVATION	H	TRINITY	POLK	380818708	0	54	62	64	66	70	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	SAN JACINTO	SAN JACINTO	084226000	08422600020410	None	CONSERVATION	H	SAN JACINTO	SAN JACINTO	381020410	6	7	8	8	9	9	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	SAN JACINTO	084226000	08422600020408	None	CONSERVATION	H	TRINITY	SAN JACINTO	380820408	13	16	17	18	19	19	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	TRINITY	084226000	08422600022808	None	CONSERVATION	H	TRINITY	TRINITY	380822808	0	2	1	0	0	0	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	WALKER	084226000	08422600023608	None	CONSERVATION	H	TRINITY	WALKER	380823608	0	0	1	0	0	0	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
LEAGUE CITY	H	SAN JACINTO-BRAZOS	GALVESTON	080350000	08035000008411	None	CONSERVATION	H	SAN JACINTO-BRAZOS	GALVESTON	381108411	474	523	550	555	560	567	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
LEAGUE CITY	H	SAN JACINTO-BRAZOS	HARRIS	080350000	08035000010111	None	CONSERVATION	H	SAN JACINTO-BRAZOS	HARRIS	381110111	2	2	2	2	2	2	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
LIBERTY	H	TRINITY	LIBERTY	080356000	08035600014608	None	CONSERVATION	H	TRINITY	LIBERTY	380814608	0	18	23	34	69	97	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
LONGHORN TOWN UD	H	SAN JACINTO	HARRIS	084235000	08423500010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	12	26	33	41	49	56	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MADISONVILLE	H	TRINITY	MADISON	080382000	08038200015708	None	CONSERVATION	H	TRINITY	MADISON	380815708	0	34	50	51	53	54	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MAGNOLIA	H	SAN JACINTO	MONTGOMERY	080907000	08090700017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	24	34	44	56	72	91	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MANVEL	H	SAN JACINTO-BRAZOS	BRAZORIA	080721000	08072100002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	0	30	30	29	28	28	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MASON CREEK UD	H	SAN JACINTO	HARRIS	084247000	08424700010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	140	138	137	135	135	135	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MEADOWS	H	SAN JACINTO	FORT BEND	080792000	08079200007910	None	CONSERVATION	H	SAN JACINTO	FORT BEND	381007910	112	111	110	108	108	108	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MEADOWS	H	SAN JACINTO-BRAZOS	FORT BEND	080792000	08079200007911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	11	11	11	11	11	11	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MERCY WSC	H	SAN JACINTO	LIBERTY	084253000	08425300014610	None	CONSERVATION	H	SAN JACINTO	LIBERTY	381014610	0	5	6	6	7	8	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MERCY WSC	H	SAN JACINTO	SAN JACINTO	084253000	08425300020410	None	CONSERVATION	H	SAN JACINTO	SAN JACINTO	381020410	0	22	25	27	28	28	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MISSOURI CITY	H	BRAZOS	FORT BEND	080409000	08040900007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	25	30	35	38	46	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MISSOURI CITY	H	SAN JACINTO	FORT BEND	080409000	08040900007910	None	CONSERVATION	H	SAN JACINTO	FORT BEND	381007910	0	203	242	283	313	381	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MISSOURI CITY	H	SAN JACINTO-BRAZOS	FORT BEND	080409000	08040900007911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	0	917	1096	1280	1417	1723	Y	MUNICIPAL CONS

Region H

Table 4A-7: WMS Supply Allocations by WUG

WUG Name	WUG RWPG	WUG Basin	WUG County	WUG ID	WUG-County-Basin ID	Wholesale Water Provider	Water Source	Source RWPG	Source Basin	Source County	Source-Basin ID	2010	2020	2030	2040	2050	2060	Non-Recursive Volume?	Major WMS Project Name	WUG-Level WMS Name
MONTGOMERY COUNTY UD #2	H	SAN JACINTO	MONTGOMERY	084265000	08426500017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	31	31	30	30	30	30	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MONTGOMERY COUNTY UD #3	H	SAN JACINTO	MONTGOMERY	084266000	08426600017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	29	30	33	37	43	51	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MONTGOMERY COUNTY UD #4	H	SAN JACINTO	MONTGOMERY	084267000	08426700017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	58	58	57	56	56	56	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MONTGOMERY COUNTY WCID #1	H	SAN JACINTO	MONTGOMERY	084268000	08426800017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	30	31	34	39	45	53	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NEEDVILLE	H	BRAZOS	FORT BEND	080428000	08042800007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	0	0	0	0	0	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NEEDVILLE	H	BRAZOS-COLORADO	FORT BEND	080428000	08042800007913	None	CONSERVATION	H	BRAZOS-COLORADO	FORT BEND	381307913	0	18	22	26	31	38	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NEW CANEY MUD	H	SAN JACINTO	MONTGOMERY	084272000	08427200017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	69	153	200	252	326	412	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NEW WAVERLY	H	SAN JACINTO	WALKER	080926000	08092600023610	None	CONSERVATION	H	SAN JACINTO	WALKER	381023610	0	13	13	13	13	13	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NFBWA	H	BRAZOS	FORT BEND	NFBWA	NFBWA07912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	115	169	233	331	454	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NFBWA	H	SAN JACINTO	FORT BEND	NFBWA	NFBWA07910	None	CONSERVATION	H	SAN JACINTO	FORT BEND	381007910	0	0	1686	1882	1934	1922	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NFBWA	H	SAN JACINTO-BRAZOS	FORT BEND	NFBWA	NFBWA07911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	0	1521	2146	2713	3223	3705	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NFBWA	H	SAN JACINTO	HARRIS	NFBWA	NFBWA10110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	0	57	61	65	69	74	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NHCRWA	H	SAN JACINTO	HARRIS	088000000	08800000010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	6441	7598	8480	8961	9156	9389	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NORMANGEE	H	BRAZOS	LEON	080927000	08092700014512	None	CONSERVATION	H	BRAZOS	LEON	381214512	0	3	3	3	3	3	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NORMANGEE	H	TRINITY	LEON	080927000	08092700014508	None	CONSERVATION	H	TRINITY	LEON	380814508	0	6	7	7	7	7	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NORMANGEE	H	TRINITY	MADISON	080927000	08092700015708	None	CONSERVATION	H	TRINITY	MADISON	380815708	1	1	1	1	1	1	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NORTH BELT UD	H	SAN JACINTO	HARRIS	084275000	08427500010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	27	36	44	51	60	68	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NORTH GREEN MUD	H	SAN JACINTO	HARRIS	084279000	08427900010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	21	23	24	26	28	30	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NORTHWEST HARRIS COUNTY MUD #23	H	SAN JACINTO	HARRIS	084286000	08428600010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	35	43	52	60	69	77	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NORTHWEST PARK MUD	H	SAN JACINTO	HARRIS	084287000	08428700010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	184	217	217	213	211	211	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
OAK RIDGE NORTH	H	SAN JACINTO	MONTGOMERY	080726000	08072600017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	41	45	53	64	77	94	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
OLD RIVER-WINFREE	H	TRINITY	CHAMBERS	080727000	08072700003608	None	CONSERVATION	H	TRINITY	CHAMBERS	3880368	12	13	14	15	16	17	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
ONALASKA	H	TRINITY	POLK	080933000	08093300018708	None	CONSERVATION	H	TRINITY	POLK	380818708	0	13	14	16	17	18	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
ORBIT SYSTEMS INC	H	BRAZOS-COLORADO	BRAZORIA	084294000	08429400002013	None	CONSERVATION	H	BRAZOS-COLORADO	BRAZORIA	381302013	0	3	4	4	5	5	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
ORBIT SYSTEMS INC	H	SAN JACINTO-BRAZOS	BRAZORIA	084294000	08429400002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	0	27	31	34	38	42	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
ORBIT SYSTEMS INC	H	SAN JACINTO-BRAZOS	FORT BEND	084294000	08429400007911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	1	1	1	1	1	1	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
OYSTER CREEK	H	SAN JACINTO-BRAZOS	BRAZORIA	080730000	08073000002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	9	10	12	13	14	15	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PANORAMA VILLAGE	H	SAN JACINTO	MONTGOMERY	080732000	08073200017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	36	38	39	41	43	45	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PARKWAY UD	H	SAN JACINTO	HARRIS	084298000	08429800010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	17	16	16	16	15	15	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PASADENA	H	SAN JACINTO	HARRIS	080456000	08045600010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	1014	1106	1189	1278	1374	1482	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PASADENA	H	SAN JACINTO-BRAZOS	HARRIS	080456000	08045600010111	None	CONSERVATION	H	SAN JACINTO-BRAZOS	HARRIS	381110111	284	309	333	358	385	415	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PATTON VILLAGE	H	SAN JACINTO	MONTGOMERY	080734000	08073400017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	5	5	6	6	8	9	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PEARLAND	H	SAN JACINTO-BRAZOS	BRAZORIA	080457000	08045700002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	216	538	631	719	817	920	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PEARLAND	H	SAN JACINTO-BRAZOS	HARRIS	080457000	08045700010111	None	CONSERVATION	H	SAN JACINTO-BRAZOS	HARRIS	381110111	8	18	21	23	26	28	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PECAN GROVE MUD #1	H	BRAZOS	FORT BEND	084299000	08429900007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	115	162	164	166	171	178	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PECAN GROVE MUD #1	H	SAN JACINTO-BRAZOS	FORT BEND	084299000	08429900007911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	31	43	44	44	45	47	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PINE ISLAND	H	BRAZOS	WALLER	080938000	08093800023712	None	CONSERVATION	H	BRAZOS	WALLER	381223712	0	8	10	12	14	17	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PINE TRAILS UTILITY	H	SAN JACINTO	HARRIS	084302000	08430200010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	56	60	64	68	72	77	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PINEY POINT VILLAGE	H	SAN JACINTO	HARRIS	084068000	08406800010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	76	78	81	84	86	90	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PLANTATION MUD	H	SAN JACINTO-BRAZOS	FORT BEND	084303000	08430300007911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	34	33	32	32	32	32	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PLEAK	H	BRAZOS	FORT BEND	081053000	08105300007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	36	43	50	59	70	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PLUM GROVE	H	SAN JACINTO	LIBERTY	081054000	08105400014610	None	CONSERVATION	H	SAN JACINTO	LIBERTY	381014610	0	10	11	13	15	18	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
POINT AQUARIUS MUD	H	SAN JACINTO	MONTGOMERY	084305000	08430500017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	44	54	78	105	142	184	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
POINT BLANK	H	TRINITY	SAN JACINTO	081056000	08105600020408	None	CONSERVATION	H	TRINITY	SAN JACINTO	380820408	0	5	6	6	6	6	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PORTER WSC	H	SAN JACINTO	MONTGOMERY	084307000	08430700017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	123	137	171	212	210	210	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PRAIRIE VIEW	H	BRAZOS	WALLER	080485000	08048500023712	None	CONSERVATION	H	BRAZOS	WALLER	381223712	0	8	9	9	10	11	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PRAIRIE VIEW	H	SAN JACINTO	WALLER	080485000	08048500023710	None	CONSERVATION	H	SAN JACINTO	WALLER	381023710	0	72	78	85	93	103	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
RAYFORD ROAD MUD	H	SAN JACINTO	MONTGOMERY	084312000	08431200017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	146	145	144	144	144	144	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
RICHMOND	H	BRAZOS	FORT BEND	080500000	08050000007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	179	213	245	301	363	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
RICHWOOD	H	SAN JACINTO-BRAZOS	BRAZORIA	080501000	08050100002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	20	21	22	22	23	24	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
RIVER PLANTATION MUD	H	SAN JACINTO	MONTGOMERY	084322000	08432200017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	50	49	48	48	48	48	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
RIVERSIDE WSC	H	TRINITY	SAN JACINTO	084323000	08432300020408	None	CONSERVATION	H	TRINITY	SAN JACINTO	380820408	0	11	13	16	18	20	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
RIVERSIDE WSC	H	TRINITY	WALKER	084323000	08432300023608	None	CONSERVATION	H	TRINITY	WALKER	380823608	0	0	5	23	24	26	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
ROLLING FORK PUD	H	SAN JACINTO	HARRIS	084411000	08441100010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	39	40	42	43	45	47	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
ROMAN FOREST	H	SAN JACINTO	MONTGOMERY	080801000	08080100017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	32	50	71	93	124	160	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
ROSENBERG	H	BRAZOS	FORT BEND	080518000	08051800007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	150	497	616	738	904	1101	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SAN FELIPE	H	BRAZOS	AUSTIN	080954000	08095400000812	None	CONSERVATION	H	BRAZOS	AUSTIN	381200812	0	8	9	9	9	10	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SEABROOK	H	SAN JACINTO-BRAZOS	HARRIS	080545000	08054500010111	None	CONSERVATION	H	SAN JACINTO-BRAZOS	HARRIS	381110111	153	182	208	237	264	293	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SEALY	H	BRAZOS	AUSTIN	080549000	08054900000812	None	CONSERVATION	H	BRAZOS	AUSTIN	381200812	0	97	112	119	123	129	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SHENANDOAH	H	SAN JACINTO	MONTGOMERY	080745000	08074500017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	104	121	141	162	191	226	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SHEPHERD	H	TRINITY	SAN JACINTO	080746000	08074600020408	None	CONSERVATION	H	TRINITY	SAN JACINTO	380820408	0	20	22	23	24	24	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SIENNA PLANTATION MUD #2	H	SAN JACINTO-BRAZOS	FORT BEND	084334000	08433400007911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	63	72	72	72	72	72	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SIMONTON	H	BRAZOS	FORT BEND	081062000	08106200007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	0	0	38	45	54	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SOUTHERN MONTGOMERY COUNTY MUD	H	SAN JACINTO	MONTGOMERY	084339000	08433900017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	121	152	153	158	160	164	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SOUTHSIDE PLACE	H	SAN JACINTO	HARRIS	080572000	08057200010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	6	24	25	27	28	30	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SOUTHWEST UTILITIES	H	SAN JACINTO-BRAZOS	BRAZORIA	084343000	08434300002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	0	2	4	5	5	5	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SOUTHWEST UTILITIES	H	SAN JACINTO	HARRIS	084343000	08434300010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	42	47	53	57	63	68	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SOUTHWEST UTILITIES	H	SAN JACINTO	LIBERTY	084343000	08434300014610	None	CONSERVATION	H	SAN JACINTO	LIBERTY	381014610	0	1	1	1	1	2	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SOUTHWEST UTILITIES	H	SAN JACINTO	MONTGOMERY	084343000	08434300017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	15	17	21	26	32	40	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SPLENDORA	H	SAN JACINTO	MONTGOMERY	080962000	08096200017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	10	12	16	21	28	36	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SPRING CREEK UD	H	SAN JACINTO	MONTGOMERY	084344000	08434400017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	32	36	48	61	80	101	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SPRING VALLEY	H	SAN JACINTO	HARRIS	080575000	08057500010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	53	55	56	58	60	63	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
STAGECOACH	H	SAN JACINTO	MONTGOMERY	STAGECOACH	STAGECOACH17010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	4	6	8	11	15	20	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
STANLEY LAKE MUD	H	SAN JACINTO	MONTGOMERY	084347000	08434700017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	44	54	54	53	53	53	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SUGAR LAND	H	BRAZOS	FORT BEND	080585000	08058500007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	625	641	638	638	638	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SUGAR LAND	H	SAN JACINTO	FORT BEND	080585000	08058500007910	None	CONSERVATION	H	SAN JACINTO	FORT BEND	381007910	0	63	64	64	64	64	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SUGAR LAND	H	SAN JACINTO-BRAZOS	FORT BEND	080585000	08058500007911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	0	854	876	872	872	872	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SUNBELT FWSD	H	SAN JACINTO	HARRIS	084350000	08435000010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	285	331	375	422	468	517	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SURFSIDE BEACH	H	BRAZOS	BRAZORIA	080967000	08096700002012	None	CONSERVATION	H	BRAZOS	BRAZORIA	381202012	0	10	12	13	14	15	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SWEENY	H	BRAZOS-COLORADO	BRAZORIA	080590000	08059000002013	None	CONSERVATION	H	BRAZOS-COLORADO	BRAZORIA	381302013	0	30	40	41	43	45	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
THE WOODLANDS	H	SAN JACINTO	MONTGOMERY	088001000	08800100017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	930	1686	1796	1788	1779	1779	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
TOMBALL	H	SAN JACINTO	HARRIS	080608000	08060800010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	166	209	244	306	353	420	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
TRAIL OF THE LAKES MUD	H	SAN JACINTO	HARRIS	084355000	08435500010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	90	87	86	85	85	85	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
VARNER CREEK UD	H	BRAZOS	BRAZORIA	084370000	08437000002012	None	CONSERVATION	H	BRAZOS	BRAZORIA	381202012	0	24	27	31	35	39	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WALKER COUNTY RURAL WSC	H	TRINITY	WALKER	084372000	08437200023608	None	CONSERVATION	H	TRINITY	WALKER	380823608	0	54	55	53	53	53	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WALLER	H	SAN JACINTO	HARRIS	080629000	08062900010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	7	9	11	12	14	16	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WALLER	H	SAN JACINTO	WALLER	080629000	08062900023710	None	CONSERVATION	H	SAN JACINTO	WALLER	381023710	0	27	32	37	43	51	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WALLIS	H	BRAZOS-COLORADO	AUSTIN	080630000	08063000000813	None	CONSERVATION	H	BRAZOS-COLORADO	AUSTIN	381300813	0	11	11	11	12	12	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WEST HARDIN WSC	H	NECHES	LIBERTY	084383000	08438300014606	None	CONSERVATION	H	NECHES	LIBERTY	380614606	0	2	2	3	3	3	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WEST HARRIS COUNTY MUD #6	H	SAN JACINTO	HARRIS	084387000	08438700010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	34	33	33	33	32	32	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WEST UNIVERSITY PL.	H	SAN JACINTO	HARRIS	080643000	08064300010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	197	208	218	228	240	253	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WHCRWA	H	SAN JACINTO	FORT BEND	088002000	08800200007910	None	CONSERVATION	H	SAN JACINTO	FORT BEND	381007910	178	209	241	282	323	363	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WHCRWA	H	SAN JACINTO	HARRIS	088002000	08800200010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	0	3760	4102	4348	4420	4452	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WILLIS	H	SAN JACINTO	MONTGOMERY	080655000	08065500017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	34	39	49	61	77	97	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WILLOW RUN SUBDIVISION	H	SAN JACINTO	HARRIS	084398000	08439800010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	40	39	38	37	37	37	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WINDFERN FOREST UD	H	SAN JACINTO	HARRIS	084401000	08440100010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	48	62	60	60	60	60	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WOODBRANCH	H	SAN JACINTO	MONTGOMERY	080807000	08080700017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	10	11	12	14	16	18	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WOODCREEK MUD	H	SAN JACINTO	HARRIS	084404000	08440400010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	37	49	60	71	82	93	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	BRAZOS	BRAZORIA	080757020	08075702002012	none	MUNICIPAL NON-POTABLE REUSE	H	BRAZOS	BRAZORIA	MNPR12	0	0	0	1	2	2	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
COUNTY-OTHER	H	BRAZOS-COLORADO	BRAZORIA	080757020	08075702002013	none	MUNICIPAL NON-POTABLE REUSE	H	BRAZOS-COLORADO	BRAZORIA	MNPR13	0	0	21	42	64	87	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	BRAZORIA	080757020	08075702002011	none	MUNICIPAL NON-POTABLE REUSE	H	SAN JACINTO-BRAZOS	BRAZORIA	MNPR11	0	0	95	184	278	376	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
COUNTY-OTHER	H	BRAZOS	FORT BEND	080757079	08075707907912	none	MUNICIPAL NON-POTABLE REUSE	H	BRAZOS	FORT BEND	MNPR12	0	0	460	1072	2286	3714	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
COUNTY-OTHER	H	BRAZOS-COLORADO	FORT BEND	080757079	08075707907913	none	MUNICIPAL NON-POTABLE REUSE	H	BRAZOS-COLORADO	FORT BEND	MNPR13	0	0	14	21	31	34	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
COUNTY-OTHER	H	SAN JACINTO	FORT BEND	080757079	08075707907910	none	MUNICIPAL NON-POTABLE REUSE	H	SAN JACINTO	FORT BEND	MNPR10	0	0	3	66	229	414	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	FORT BEND	080757079	08075707907911	none	MUNICIPAL NON-POTABLE REUSE	H	SAN JACINTO-BRAZOS	FORT BEND	MNPR11	0	0	0	457	1499	2648	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
COUNTY-OTHER	H	SAN JACINTO	HARRIS	080757101	08075710110110	none	MUNICIPAL NON-POTABLE REUSE	H	SAN JACINTO	HARRIS	MNPR10	0	0	930	2994	5816	8773	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	HARRIS	080757101	08075710110111	none	MUNICIPAL NON-POTABLE REUSE	H	SAN JACINTO-BRAZOS	HARRIS	MNPR11	0	0	52	7	2	7	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
COUNTY-OTHER	H	TRINITY-SAN JACINTO	HARRIS	080757101	08075710110109	none	MUNICIPAL NON-POTABLE REUSE	H	TRINITY-SAN JACINTO	HARRIS	MNPR09	0	0	26	0	0	0	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
COUNTY-OTHER	H	SAN JACINTO	MONTGOMERY	080757170	08075717017010	none	MUNICIPAL NON-POTABLE REUSE	H	SAN JACINTO	MONTGOMERY	MNPR10	0	0	1752	3838	6787	10215	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
NFBWA	H	BRAZOS	FORT BEND	NFBWA	NFBWA07912	NFBWA	MUNICIPAL NON-POTABLE REUSE	H	BRAZOS	FORT BEND	MNPR12	0	0	90	194	356	561	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
NFBWA	H	SAN JACINTO	FORT BEND	NFBWA	NFBWA07910	NFBWA	MUNICIPAL NON-PO

Region H

Table 4A-7: WMS Supply Allocations by WUG

WUG Name	WUG RWPG	WUG Basin	WUG County	WUG ID	WUG-County-Basin ID	Wholesale Water Provider	Water Source	Source RWPG	Source Basin	Source County	Source-Basin ID	2010	2020	2030	2040	2050	2060	Non-Recursive Volume?	Major WMS Project Name	WUG-Level WMS Name
MINING	H	TRINITY	CHAMBERS	081003036	081003036031603608	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	4344	6494	7816	9116	10411	11550	Y	NEW CONTRACT FROM EXISTING SUPPLY	TRA to WUG Contract
MINING	H	TRINITY-SAN JACINTO	CHAMBERS	081003036	081003036031603609	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	1215	1359	1904	2488	3081	3677	Y	NEW CONTRACT FROM EXISTING SUPPLY	TRA to WUG Contract
MINING	H	NECHES-TRINITY	GALVESTON	081003084	081003084084807	LOWER NECHES VALLEY AUTHORITY	SAM RAYBURN-STEINHAGEN LAKE/RESERVOIR SYSTEM	I	NECHES	RESERVOIR	060A006	16	23	26	29	33	37	Y	NEW CONTRACT FROM EXISTING SUPPLY	LNVA to WUG Contract
STEAM ELECTRIC POWER	H	SAN JACINTO	HARRIS	081002101	081002101101110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	2671	1642	0	0	0	Y	NEW CONTRACT FROM EXISTING SUPPLY	COH to WUG Contract
STEAM ELECTRIC POWER	H	SAN JACINTO-BRAZOS	HARRIS	081002101	081002101101111	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	839	0	0	0	0	Y	NEW CONTRACT FROM EXISTING SUPPLY	COH to WUG Contract
LIVESTOCK	H	SAN JACINTO-BRAZOS	BRAZORIA	081005020	081005020020011	none	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	27	27	27	27	27	Y	NEW GROUNDWATER WELLS FOR LIVESTOCK	New Groundwater Wells for Livestock
LIVESTOCK	H	NECHES-TRINITY	GALVESTON	081005084	081005084084807	none	GULF COAST AQUIFER	H	NECHES-TRINITY	GALVESTON	0841507	0	14	14	14	14	14	Y	NEW GROUNDWATER WELLS FOR LIVESTOCK	New Groundwater Wells for Livestock
ARCOLA	H	SAN JACINTO-BRAZOS	FORT BEND	080999000	080999000007911	NFBWA	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	FORT BEND	0791511	0	106	258	295	345	397	Y	NFBWA GRP	NFBWA GRP Participation
FULSHEAR	H	BRAZOS	FORT BEND	080869000	080869000007912	NFBWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	0	76	178	Y	NFBWA GRP	NFBWA GRP Participation
FULSHEAR	H	SAN JACINTO-BRAZOS	FORT BEND	080869000	080869000007911	NFBWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	0	45	112	Y	NFBWA GRP	NFBWA GRP Participation
NFBWA	H	BRAZOS	FORT BEND	NFBWA	NFBWA07912	NFBWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	0	-45	-112	Y	NFBWA GRP	NFBWA GRP Participation
NFBWA	H	SAN JACINTO-BRAZOS	FORT BEND	NFBWA	NFBWA07911	NFBWA	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	FORT BEND	0791511	0	-106	-258	-295	-345	-397	Y	NFBWA GRP	NFBWA GRP Participation
NFBWA	H	SAN JACINTO-BRAZOS	FORT BEND	NFBWA	NFBWA07911	NFBWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	0	-76	-178	Y	NFBWA GRP	NFBWA GRP Participation
JERSEY VILLAGE	H	SAN JACINTO	HARRIS	080709000	080709000010110	NHCRWA	HOUSTON LAKE/RESERVOIR	H	SAN JACINTO	RESERVOIR	1003010	0	364	767	1043	1315	1600	Y	NHCRWA GRP	NHCRWA GRP Participation
NHCRWA	H	SAN JACINTO	HARRIS	088000000	088000000010110	NHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	-761	-2569	-3476	-4530	-5349	-6488	Y	NHCRWA GRP	NHCRWA GRP Participation
NHCRWA	H	SAN JACINTO	HARRIS	088000000	088000000010110	NHCRWA	HOUSTON LAKE/RESERVOIR	H	SAN JACINTO	RESERVOIR	1003010	0	-364	-767	-1043	-1315	-1600	Y	NHCRWA GRP	NHCRWA GRP Participation
NORTHWEST HARRIS COUNTY MUD #23	H	SAN JACINTO	HARRIS	084286000	084286000010110	NHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	141	467	646	770	908	1046	Y	NHCRWA GRP	NHCRWA GRP Participation
TOMBALL	H	SAN JACINTO	HARRIS	080608000	080608000010110	NHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	620	2102	2830	3760	4441	5442	Y	NHCRWA GRP	NHCRWA GRP Participation
NHCRWA	H	SAN JACINTO	HARRIS	088000000	088000000010110	NHCRWA	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	351010110	0	0	0	7300	16300	16300	Y	NHCRWA INDIRECT REUSE	NHCRWA INDIRECT REUSE
PEARLAND	H	SAN JACINTO-BRAZOS	BRAZORIA	080457000	080457000020111	none	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B12	3889	3900	3775	6893	6187	5454	N	Pearland SWTP	Pearland SWTP
PEARLAND	H	SAN JACINTO-BRAZOS	BRAZORIA	080457000	080457000020211	none	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	346120516812	2590	2597	2514	4591	4120	3632	N	Pearland SWTP	Pearland SWTP
PEARLAND	H	SAN JACINTO-BRAZOS	BRAZORIA	080457000	080457000020211	none	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	223	1565	2788	4053	N	Pearland SWTP	Pearland SWTP
PEARLAND	H	SAN JACINTO-BRAZOS	HARRIS	080457000	080457000101111	none	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B12	145	134	125	223	195	169	N	Pearland SWTP	Pearland SWTP
PEARLAND	H	SAN JACINTO-BRAZOS	HARRIS	080457000	080457000101211	none	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	346120516812	96	89	83	148	130	112	N	Pearland SWTP	Pearland SWTP
PECAN GROVE MUD #1	H	BRAZOS	FORT BEND	084299000	084299000007912	none	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	120E012	182	182	363	363	363	363	N	PECAN GROVE GRP	PECAN GROVE GRP
PECAN GROVE MUD #1	H	SAN JACINTO-BRAZOS	FORT BEND	084299000	084299000007911	none	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	120E012	684	684	1368	1368	1368	1368	N	PECAN GROVE GRP	PECAN GROVE GRP
BEACH CITY	H	TRINITY-SAN JACINTO	CHAMBERS	080822000	080822000003609	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	CHAMBERS	0361509	178	0	0	0	0	0	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
BELLAIRE	H	SAN JACINTO	HARRIS	080046000	080046000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	1440	489	496	259	172	467	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
BRITMOORE UTILITIES	H	SAN JACINTO	HARRIS	084036000	084036000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	115	354	127	67	45	121	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
BUNKER HILL VILLAGE	H	SAN JACINTO	HARRIS	080085000	080085000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	478	469	125	56	33	33	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
CANDLELIGHT HILLS SUBDIVISION	H	SAN JACINTO	HARRIS	084043000	084043000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	110	342	123	66	44	123	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
CHCRWA	H	SAN JACINTO	HARRIS	CHCRWA	CHCRWA10110	CHCRWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	423	211	132	217	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
CHIMNEY HILL MUD	H	SAN JACINTO	HARRIS	084053000	084053000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	10	4	2	0	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
CONSUMERS WATER INC	H	SAN JACINTO	HARRIS	084072000	084072000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	96	336	131	74	52	173	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
COUNTY-OTHER	H	TRINITY-SAN JACINTO	CHAMBERS	080757036	080757036031609	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	CHAMBERS	0361509	104	0	0	0	0	0	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
COUNTY-OTHER	H	SAN JACINTO	HARRIS	080757101	080757101101110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	181	1937	13715	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	HARRIS	080757101	080757101101111	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	203	0	17	0	0	0	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
CRYSTAL SPRNGS WATER COMPANY	H	SAN JACINTO	HARRIS	084081000	084081000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	5	17	7	4	3	9	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
EL LAGO	H	SAN JACINTO-BRAZOS	HARRIS	080695000	080695000010111	CITY OF PASADENA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	248	270	77	36	22	33	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
FOUNTAINVIEW SUBDIVISION	H	SAN JACINTO	HARRIS	084132000	084132000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	83	250	89	46	30	81	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
GALENA PARK	H	SAN JACINTO	HARRIS	080226000	080226000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	22	25	9	5	5	49	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY FWSD #47	H	SAN JACINTO	HARRIS	084149000	084149000010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	25	14	1	0	0	0	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY FWSD #51	H	SAN JACINTO	HARRIS	084150000	084150000010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	363	266	68	26	15	15	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY FWSD #6	H	SAN JACINTO	HARRIS	084151000	084151000010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	103	145	50	29	21	74	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY MUD #158	H	SAN JACINTO	HARRIS	084165000	084165000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	7	2	1	0	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY MUD #261	H	SAN JACINTO	HARRIS	084179000	084179000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	140	495	158	72	42	42	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY MUD #345	H	SAN JACINTO	HARRIS	084182000	084182000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	341	898	282	129	76	76	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY MUD #5	H	SAN JACINTO	HARRIS	084184000	084184000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	157	411	126	57	33	33	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY MUD #53	H	SAN JACINTO	HARRIS	084186000	084186000010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	587	920	335	204	149	574	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY MUD #8	H	SAN JACINTO	HARRIS	084189000	084189000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	96	140	49	29	21	88	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY WCID #1	H	SAN JACINTO	HARRIS	084193000	084193000010110	BAYTOWN AREA WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	26	71	49	39	196	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY WCID #21	H	SAN JACINTO	HARRIS	084196000	084196000010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	272	313	95	48	32	102	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY WCID #36	H	SAN JACINTO	HARRIS	084197000	084197000010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	190	268	92	54	40	160	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY WCID #50	H	SAN JACINTO	HARRIS	084198000	084198000010110	CITY OF PASADENA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	508	557	163	81	52	115	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY WCID #76	H	SAN JACINTO	HARRIS	084199000	084199000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	73	187	57	26	15	15	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY WCID #84	H	SAN JACINTO	HARRIS	084200000	084200000010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	199	200	55	25	15	25	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HEDWIG VILLAGE	H	SAN JACINTO	HARRIS	080269000	080269000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	458	459	125	58	34	40	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HILSHIRE VILLAGE	H	SAN JACINTO	HARRIS	081025000	081025000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	5	6	2	1	1	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HOUSTON	H	SAN JACINTO	FORT BEND	080285000	080285000007910	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	0	-454	-5	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HOUSTON	H	SAN JACINTO	HARRIS	080285000	080285000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	-17056	-13867	-10665	-22379	-32021	-43418	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HOUSTON	H	SAN JACINTO-BRAZOS	HARRIS	080285000	080285000010111	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	-1197	-1409	-1531	-1657	-1790	-20	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HUMBLE	H	SAN JACINTO	HARRIS	080289000	080289000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	820	820	879	450	293	707	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HUNTERS CREEK VILLAGE	H	SAN JACINTO	HARRIS	080290000	080290000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	955	1034	302	150	96	210	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
IRRIGATION	H	BRAZOS	BRAZORIA	081004020	081004020020012	GULF COAST WATER AUTHORITY	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	G	BRAZOS	RESERVOIR	120E012	-50	-50	-50	-50	-50	-50	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
IRRIGATION	H	SAN JACINTO-BRAZOS	BRAZORIA	081004020	081004020020011	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B12	-13197	-13197	-13197	-13197	-13197	-13197	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
IRRIGATION	H	SAN JACINTO-BRAZOS	BRAZORIA	081004020	081004020020211	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	346120516812	-447	-447	-447	-447	-447	-447	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
IRRIGATION	H	NECHES-TRINITY	CHAMBERS	081004036	081004036031603607	None	GULF COAST AQUIFER	H	NECHES-TRINITY	CHAMBERS	0361507	-104	-155	-183	-213	-243	-270	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
IRRIGATION	H	NECHES-TRINITY	CHAMBERS	081004036	081004036031603607	CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	CHAMBERS	3460804279B08	-20376	-20600	-20734	-20857	-20975	-21076	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
IRRIGATION	H	TRINITY	CHAMBERS	081004036	081004036031603608	CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	CHAMBERS	3460804279B08	20376	20600	20734	20857	20975	21076	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
IRRIGATION	H	TRINITY-SAN JACINTO	CHAMBERS	081004036	081004036031603609	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	CHAMBERS	0361509	-530	-509	-472	-439	-409	-379	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
IRRIGATION	H	NECHES-TRINITY	LIBERTY	081004146	081004146014607	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	0	0	-1091	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
IRRIGATION	H	TRINITY	LIBERTY	081004146	081004146014608	CITY OF HOUSTON	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	LIBERTY	346080427708	-6657	-6697	-6732	-6767	-6805	-5742	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
IRRIGATION	H	TRINITY-SAN JACINTO	LIBERTY	081004146	081004146014609	CITY OF HOUSTON	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	LIBERTY	346080427708	6657	6697	6732	6767	6805	5742	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
IRRIGATION	H	TRINITY-SAN JACINTO	LIBERTY	081004146	081004146014609	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	0	0	1091	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
JACINTO CITY	H	SAN JACINTO	HARRIS	080301000	080301000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	0	2	83	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
MANUFACTURING	H	BRAZOS	BRAZORIA	081001020	081001020020012	GULF COAST WATER AUTHORITY	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	G	BRAZOS	RESERVOIR	120E012	50	50	50	50	50	50	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
MANUFACTURING	H	BRAZOS	BRAZORIA	081001020	081001020020012	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B12	13197	13197	13197	13197	13197	13197	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
MANUFACTURING	H	BRAZOS	BRAZORIA	081001020	081001020020012	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	346120516812	447	447	447	447	447	447	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
MANUFACTURING	H	SAN JACINTO	HARRIS	081001101	081001101101110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	0	0	-67200	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
MANUFACTURING	H	SAN JACINTO-BRAZOS	HARRIS	081001101	081001101101111	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	4487	251	251	2029	1394	0	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
MINING	H	NECHES-TRINITY	CHAMBERS	081003036	081003036031603607	None	GULF COAST AQUIFER	H	NECHES-TRINITY	CHAMBERS	0361507	104	155	183	213	243	270	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
MINING	H	TRINITY-SAN JACINTO	CHAMBERS	081003036	081003036031609	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	CHAMBERS	0361509	45	509	472	439	409	379	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
MINING	H	SAN JACINTO	HARRIS	081003101	081003101101110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	140	274	97	56	40	123	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
MINING	H	SAN JACINTO-BRAZOS	HARRIS	081003101	081003101101111	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	3	5	2	1	1	3	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
MONT BELVIEU	H	TRINITY-SAN JACINTO	CHAMBERS	080413000	080413000003609	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	CHAMBERS	0361509	203	0	0	0	0	0	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
NFBWA	H	BRAZOS	FORT BEND	NFBWA	NFBWA07912	NFBWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	218	211	220	1872	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
NFBWA	H	SAN JACINTO	FORT BEND	NFBWA	NFBWA07910	NFBWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	1965	1353	909	1466	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
NFBWA	H	SAN JACINTO-BRAZOS	FORT BEND	NFBWA	NFBWA07911	NFBWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	2504	2176	1821	8869	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
NFBWA	H	SAN JACINTO	HARRIS	NFBWA	NFBWA10110	NFBWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	199	106	67	80	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
NHCRWA	H	SAN JACINTO	HARRIS	088000000	088000000010110	NHCRWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	420	11686	55563	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
PARKWAY UD	H	SAN JACINTO	HARRIS	084298000	084298000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	225	221	58	26	15	17	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
PEARLAND	H	SAN JACINTO-BRAZOS	BRAZORIA	080457000	080457000020211	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	201	294	325	0	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
PEARLAND	H	SAN JACINTO-BRAZOS	HARRIS	080457000	080457000101111	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	0	4	0	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
PINE TRAILS UTILITY	H	SAN JACINTO	HARRIS	084302000	084302000010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	215	266	85	47	33	110	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
PINEY POINT VILLAGE	H	SAN JACINTO	HARRIS	080468000	080468000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	697	731	207	100	62	114	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
ROLLING FORK PUD	H

Region H

Table 4A-7: WMS Supply Allocations by WUG

WUG Name	WUG RWPG	WUG Basin	WUG County	WUG ID	WUG-County-Basin ID	Wholesale Water Provider	Water Source	Source RWPG	Source Basin	Source County	Source-Basin ID	2010	2020	2030	2040	2050	2060	Non-Recursive Volume?	Major WMS Project Name	WUG-Level WMS Name
EAST PLANTATION UD	H	SAN JACINTO	MONTGOMERY	084098000	08409800017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	203	0	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
EAST PLANTATION UD	H	SAN JACINTO	MONTGOMERY	084098000	08409800017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	670	635	586	547	Y	SJRA WRAP	SJRA WRAP Participation
H M W SUD	H	SAN JACINTO	MONTGOMERY	084147000	08414700017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	-1012	-1083	-1099	-1107	Y	SJRA WRAP	Supplies
H M W SUD	H	SAN JACINTO	MONTGOMERY	084147000	08414700017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	672	0	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
H M W SUD	H	SAN JACINTO	MONTGOMERY	084147000	08414700017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	2067	1833	1605	1441	Y	SJRA WRAP	SJRA WRAP Participation
MAGNOLIA	H	SAN JACINTO	MONTGOMERY	080907000	08090700017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	221	380	561	812	1118	Y	SJRA WRAP	SJRA WRAP Participation
MANUFACTURING	H	SAN JACINTO	MONTGOMERY	081001170	08100117017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	988	1384	1756	2129	2504	Y	SJRA WRAP	SJRA WRAP Participation
MINING	H	SAN JACINTO	MONTGOMERY	081003170	08100317017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	216	279	331	382	425	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY	H	SAN JACINTO	MONTGOMERY	MONTGOMERY	MONTGOMERY17010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	0	-787	-777	Y	SJRA WRAP	Supplies
MONTGOMERY	H	SAN JACINTO	MONTGOMERY	MONTGOMERY	MONTGOMERY17010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	374	710	1087	0	0	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY	H	SAN JACINTO	MONTGOMERY	MONTGOMERY	MONTGOMERY17010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	0	0	1151	1011	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY MUD #18	H	SAN JACINTO	MONTGOMERY	084261000	08426100017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	-1909	-2136	-2308	Y	SJRA WRAP	Supplies
MONTGOMERY COUNTY MUD #18	H	SAN JACINTO	MONTGOMERY	084261000	08426100017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	865	1655	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY MUD #18	H	SAN JACINTO	MONTGOMERY	084261000	08426100017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	0	3236	3122	3000	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY MUD #19	H	SAN JACINTO	MONTGOMERY	084262000	08426200017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	-199	-173	-141	-115	Y	SJRA WRAP	Supplies
MONTGOMERY COUNTY MUD #19	H	SAN JACINTO	MONTGOMERY	084262000	08426200017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	167	0	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY MUD #19	H	SAN JACINTO	MONTGOMERY	084262000	08426200017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	410	296	209	153	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY MUD #8	H	SAN JACINTO	MONTGOMERY	084263000	08426300017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	-546	-441	-358	Y	SJRA WRAP	Supplies
MONTGOMERY COUNTY MUD #8	H	SAN JACINTO	MONTGOMERY	084263000	08426300017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	16	160	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY MUD #8	H	SAN JACINTO	MONTGOMERY	084263000	08426300017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	51	63	583	407	295	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY MUD #9	H	SAN JACINTO	MONTGOMERY	084264000	08426400017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	-589	-488	-404	Y	SJRA WRAP	Supplies
MONTGOMERY COUNTY MUD #9	H	SAN JACINTO	MONTGOMERY	084264000	08426400017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	19	171	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY MUD #9	H	SAN JACINTO	MONTGOMERY	084264000	08426400017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	51	64	633	453	335	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY UD #2	H	SAN JACINTO	MONTGOMERY	084265000	08426500017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	203	259	298	337	369	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY UD #3	H	SAN JACINTO	MONTGOMERY	084266000	08426600017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	-245	-232	-222	Y	SJRA WRAP	Supplies
MONTGOMERY COUNTY UD #3	H	SAN JACINTO	MONTGOMERY	084266000	08426600017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	184	264	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY UD #3	H	SAN JACINTO	MONTGOMERY	084266000	08426600017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	0	418	342	292	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY UD #4	H	SAN JACINTO	MONTGOMERY	084267000	08426700017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	-369	-300	-245	Y	SJRA WRAP	Supplies
MONTGOMERY COUNTY UD #4	H	SAN JACINTO	MONTGOMERY	084267000	08426700017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	353	452	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY UD #4	H	SAN JACINTO	MONTGOMERY	084267000	08426700017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	0	630	445	326	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY WCID #1	H	SAN JACINTO	MONTGOMERY	084268000	08426800017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	189	272	358	470	600	Y	SJRA WRAP	SJRA WRAP Participation
NEW CANEY MUD	H	SAN JACINTO	MONTGOMERY	084272000	08427200017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	546	944	1396	2058	2854	Y	SJRA WRAP	SJRA WRAP Participation
OAK RIDGE NORTH	H	SAN JACINTO	MONTGOMERY	080726000	08072600017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	-398	-418	-414	-414	Y	SJRA WRAP	Supplies
OAK RIDGE NORTH	H	SAN JACINTO	MONTGOMERY	080726000	08072600017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	272	0	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
OAK RIDGE NORTH	H	SAN JACINTO	MONTGOMERY	080726000	08072600017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	816	709	609	541	Y	SJRA WRAP	SJRA WRAP Participation
PANORAMA VILLAGE	H	SAN JACINTO	MONTGOMERY	080732000	08073200017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	-315	-290	-247	-211	Y	SJRA WRAP	Supplies
PANORAMA VILLAGE	H	SAN JACINTO	MONTGOMERY	080732000	08073200017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	251	0	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
PANORAMA VILLAGE	H	SAN JACINTO	MONTGOMERY	080732000	08073200017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	649	496	366	280	Y	SJRA WRAP	SJRA WRAP Participation
PATTON VILLAGE	H	SAN JACINTO	MONTGOMERY	080734000	08073400017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	32	47	64	84	113	Y	SJRA WRAP	SJRA WRAP Participation
POINT AQUARIUS MUD	H	SAN JACINTO	MONTGOMERY	084305000	08430500017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	331	613	966	1472	2091	Y	SJRA WRAP	SJRA WRAP Participation
PORTER WSC	H	SAN JACINTO	MONTGOMERY	084307000	08430700017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	777	1260	1826	2047	2239	Y	SJRA WRAP	SJRA WRAP Participation
RAYFORD ROAD MUD	H	SAN JACINTO	MONTGOMERY	084312000	08431200017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	-1005	-884	-719	-587	Y	SJRA WRAP	Supplies
RAYFORD ROAD MUD	H	SAN JACINTO	MONTGOMERY	084312000	08431200017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	826	0	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
RAYFORD ROAD MUD	H	SAN JACINTO	MONTGOMERY	084312000	08431200017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	2055	1501	1060	776	Y	SJRA WRAP	SJRA WRAP Participation
RIVER PLANTATION MUD	H	SAN JACINTO	MONTGOMERY	084322000	08432200017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	0	0	0	Y	SJRA WRAP	Supplies
RIVER PLANTATION MUD	H	SAN JACINTO	MONTGOMERY	084322000	08432200017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
RIVER PLANTATION MUD	H	SAN JACINTO	MONTGOMERY	084322000	08432200017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	0	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
ROMAN FOREST	H	SAN JACINTO	MONTGOMERY	080801000	08080100017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	306	561	860	1283	1809	Y	SJRA WRAP	SJRA WRAP Participation
SHENANDOAH	H	SAN JACINTO	MONTGOMERY	080745000	08074500017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	-1046	-1064	-1025	-996	Y	SJRA WRAP	Supplies
SHENANDOAH	H	SAN JACINTO	MONTGOMERY	080745000	08074500017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	737	0	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
SHENANDOAH	H	SAN JACINTO	MONTGOMERY	080745000	08074500017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	2144	1808	1504	1304	Y	SJRA WRAP	SJRA WRAP Participation
SOUTHERN MONTGOMERY COUNTY MUD	H	SAN JACINTO	MONTGOMERY	084339000	08433900017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	-1072	-974	-804	-673	Y	SJRA WRAP	Supplies
SOUTHERN MONTGOMERY COUNTY MUD	H	SAN JACINTO	MONTGOMERY	084339000	08433900017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	866	0	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
SOUTHERN MONTGOMERY COUNTY MUD	H	SAN JACINTO	MONTGOMERY	084339000	08433900017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	2190	1650	1179	884	Y	SJRA WRAP	SJRA WRAP Participation
SOUTHWEST UTILITIES	H	SAN JACINTO	MONTGOMERY	084343000	08434300017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	102	166	237	336	457	Y	SJRA WRAP	SJRA WRAP Participation
SPLENDORA	H	SAN JACINTO	MONTGOMERY	080962000	08096200017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	83	141	212	313	435	Y	SJRA WRAP	SJRA WRAP Participation
SPRING CREEK UD	H	SAN JACINTO	MONTGOMERY	084344000	08434400017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	-355	-401	-428	-447	Y	SJRA WRAP	Supplies
SPRING CREEK UD	H	SAN JACINTO	MONTGOMERY	084344000	08434400017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	224	0	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
SPRING CREEK UD	H	SAN JACINTO	MONTGOMERY	084344000	08434400017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	727	681	626	583	Y	SJRA WRAP	SJRA WRAP Participation
STAGECOACH	H	SAN JACINTO	MONTGOMERY	STAGECOACH	STAGECOACH17010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	39	68	107	165	249	Y	SJRA WRAP	SJRA WRAP Participation
STANLEY LAKE MUD	H	SAN JACINTO	MONTGOMERY	084347000	08434700017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	-348	-284	-231	Y	SJRA WRAP	Supplies
STANLEY LAKE MUD	H	SAN JACINTO	MONTGOMERY	084347000	08434700017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	329	423	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
STANLEY LAKE MUD	H	SAN JACINTO	MONTGOMERY	084347000	08434700017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	0	593	419	307	Y	SJRA WRAP	SJRA WRAP Participation
STEAM ELECTRIC POWER	H	SAN JACINTO	MONTGOMERY	081002170	08100217017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	0	1593	4307	Y	SJRA WRAP	SJRA WRAP Participation
THE WOODLANDS	H	SAN JACINTO	MONTGOMERY	088001000	08800100017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	-13848	-12584	-11041	-8974	-7359	Y	SJRA WRAP	Supplies
THE WOODLANDS	H	SAN JACINTO	MONTGOMERY	088001000	08800100017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	23426	25536	18663	13118	9607	Y	SJRA WRAP	SJRA WRAP Participation
WILLIS	H	SAN JACINTO	MONTGOMERY	080655000	08065500017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	-362	-401	-415	-429	Y	SJRA WRAP	Supplies
WILLIS	H	SAN JACINTO	MONTGOMERY	080655000	08065500017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	236	0	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
WILLIS	H	SAN JACINTO	MONTGOMERY	080655000	08065500017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	742	681	608	559	Y	SJRA WRAP	SJRA WRAP Participation
WOODBRANCH	H	SAN JACINTO	MONTGOMERY	080807000	08080700017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	74	107	138	177	225	Y	SJRA WRAP	SJRA WRAP Participation
COUNTY-OTHER	H	BRAZOS	FORT BEND	080757079	08075707907912	SUGAR LAND	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	102	919	1293	1291	1183	Y	SUGAR LAND GRP	Sugar Land GRP Participation
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	FORT BEND	080757079	08075707907911	SUGAR LAND	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	FORT BEND	0791511	0	29	60	536	814	814	Y	SUGAR LAND GRP	Sugar Land GRP Participation
FORT BEND COUNTY MUD #106	H	BRAZOS	FORT BEND	084117000	08411700007912	SUGAR LAND	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	80	278	127	64	37	Y	SUGAR LAND GRP	Sugar Land GRP Participation
FORT BEND COUNTY MUD #111	H	BRAZOS	FORT BEND	084119000	08411900007912	SUGAR LAND	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	64	107	102	51	29	Y	SUGAR LAND GRP	Sugar Land GRP Participation
FORT BEND COUNTY MUD #67	H	BRAZOS	FORT BEND	084126000	08412600007912	SUGAR LAND	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	69	115	108	54	31	Y	SUGAR LAND GRP	Sugar Land GRP Participation
FORT BEND COUNTY MUD #68	H	BRAZOS	FORT BEND	084127000	08412700007912	SUGAR LAND	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	50	74	80	40	23	Y	SUGAR LAND GRP	Sugar Land GRP Participation
FORT BEND COUNTY MUD #69	H	BRAZOS	FORT BEND	084128000	08412800007912	SUGAR LAND	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	40	51	63	32	18	Y	SUGAR LAND GRP	Sugar Land GRP Participation
PLANTATION MUD	H	SAN JACINTO-BRAZOS	FORT BEND	084303000	08430300007911	SUGAR LAND	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	FORT BEND	0791511	0	46	159	71	35	20	Y	SUGAR LAND GRP	Sugar Land GRP Participation
SUGAR LAND	H	BRAZOS	FORT BEND	080585000	08058500007912	SUGAR LAND	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	-405	-1544	-1773	-1532	-1321	Y	SUGAR LAND GRP	Sugar Land GRP Participation
SUGAR LAND	H	SAN JACINTO-BRAZOS	FORT BEND	080585000	08058500007911	SUGAR LAND	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	FORT BEND	0791511	0	-147	-338	-812	-974	-913	Y	SUGAR LAND GRP	Sugar Land GRP Participation
SUGAR LAND	H	BRAZOS	FORT BEND	080585000	08058500007912	SUGAR LAND GRP REUSE	H	BRAZOS	FORT BEND	SLGR12	0	560	5040	5040	5040	5040	5040	Y	SUGAR LAND GRP Reuse	SUGAR LAND GRP Reuse
BELLAIRE	H	SAN JACINTO	HARRIS	080046000	08004600010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	1327	1841	2179	2179	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
BRITMOORE UTILITIES	H	SAN JACINTO	HARRIS	084036000	08403600010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	339	479	570	570	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
BUNKER HILL VILLAGE	H	SAN JACINTO	HARRIS	080085000	08008500010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	335	399	415	415	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
CANDLELIGHT HILLS SUBDIVISION	H	SAN JACINTO	HARRIS	084043000	08404300010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	331	470	561	561	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
CHCRWA	H	SAN JACINTO	HARRIS	CHCRWA	CHCRWA10110	CHCRWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	1129	1500	1668	1668	Y	TRA TO HOUSTON CONTRACT	CHCRWA to WUG Contract
CHIMNEY HILL MUD	H	SAN JACINTO	HARRIS	084053000	08405300010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	27	27	118	118	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
CONSUMERS WATER INC	H	SAN JACINTO	HARRIS	084072000	08407200010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	352	522	661	661	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
COUNTY-OTHER	H	SAN JACINTO	HARRIS	080757101	08075710101110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	0	2155	2155	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	HARRIS	080757101	08075710101111	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	47	47	47	47	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
CRYSTAL SPRNGS WATER COMPANY	H	SAN JACINTO	HARRIS	084081000	08408100010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	17	26	32	32	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
EL LAGO	H	SAN JACINTO-BRAZOS	HARRIS	080695000	08069500010111	CITY OF PASADENA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	206	258	276	276	Y	TRA TO HOUSTON CONTRACT	Pasadena to WUG Contract
FOUNTAINVIEW SUBDIVISION	H	SAN JACINTO	HARRIS	084132000	08413200010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	237	326	384	384	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
GALENA PARK	H	SAN JACINTO	HARRIS	080226000	08022600010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	24	35	66	66	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
HARRIS COUNTY FWSD #47	H	SAN JACINTO	HARRIS	084149000	08414900010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	3	3	3	3	Y	TRA TO HOUSTON CONTRACT	NCWA to WUG Contract
HARRIS COUNTY FWSD #51	H	SAN JACINTO	HARRIS	084150000	08415000010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	182	187	196	196	Y	TRA TO HOUSTON CONTRACT	NCWA to WUG Contract
HARRIS COUNTY FWSD #6	H	SAN JACINTO	HARRIS	084151000	08415100010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	134	207	260	260	Y	TRA TO HOUSTON CONTRACT	NCWA to WUG Contract
HARRIS COUNTY MUD #158	H	SAN JACINTO	HARRIS	084165000	08416500010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	18	18	18	18	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
HARRIS COUNTY MUD #261	H	SAN JACINTO	HARRIS	084179000	08417900010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	423	513	537	537	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
HARRIS COUNTY MUD #345	H	SAN JACINTO	HARRIS	084182000	08418200010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	756	916	959	959	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
HARRIS COUNTY MUD #5

Region H

Table 4A-7: WMS Supply Allocations by WUG

WUG Name	WUG RWPG	WUG Basin	WUG County	WUG ID	WUG-County-Basin ID	Wholesale Water Provider	Water Source	Source RWPG	Source Basin	Source County	Source-Basin ID	2010	2020	2030	2040	2050	2060	Non-Recursive Volume?	Major WMS Project Name	WUG-Level WMS Name
NHCRWA	H	SAN JACINTO	HARRIS	088000000	08800000010110	NHCRWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	37980	24338	2080	2080	Y	TRA TO HOUSTON CONTRACT	NHCRWA to WUG Contract
PARKWAY UD	H	SAN JACINTO	HARRIS	084298000	08429800010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	156	184	190	190	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
PINE TRAILS UTILITY	H	SAN JACINTO	HARRIS	084302000	08430200010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	227	332	411	411	Y	TRA TO HOUSTON CONTRACT	NCWA to WUG Contract
PINEY POINT VILLAGE	H	SAN JACINTO	HARRIS	080468000	08046800010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	556	710	788	788	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
ROLLING FORK PUD	H	SAN JACINTO	HARRIS	084411000	08441100010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	408	515	565	565	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
SEABROOK	H	SAN JACINTO-BRAZOS	HARRIS	080545000	08054500010111	CITY OF PASADENA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	1298	1929	2384	2384	Y	TRA TO HOUSTON CONTRACT	Pasadena to WUG Contract
SOUTHSIDE PLACE	H	SAN JACINTO	HARRIS	080572000	08057200010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	17	39	67	67	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
SOUTHWEST UTILITIES	H	SAN JACINTO	HARRIS	084343000	08434300010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	475	645	752	752	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
SPRING VALLEY	H	SAN JACINTO	HARRIS	080575000	08057500010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	509	642	703	703	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
STEAM ELECTRIC POWER	H	SAN JACINTO	HARRIS	081002101	08100210110110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	4396	4396	4396	4396	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
STEAM ELECTRIC POWER	H	SAN JACINTO-BRAZOS	HARRIS	081002101	08100210110111	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	1055	1055	1055	1055	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
WEST UNIVERSITY PL.	H	SAN JACINTO	HARRIS	080643000	08064300010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	363	568	759	759	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
WHCRWA	H	SAN JACINTO	FORT BEND	088002000	08800200007910	WHCRWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	1261	1261	1872	1872	Y	TRA TO HOUSTON CONTRACT	WHCRWA to WUG Contract
WHCRWA	H	SAN JACINTO	HARRIS	088002000	08800200010110	WHCRWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	32469	32469	37089	37089	Y	TRA TO HOUSTON CONTRACT	WHCRWA to WUG Contract
WILLOW RUN SUBDIVISION	H	SAN JACINTO	HARRIS	084398000	08439800010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	345	412	425	425	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
WINDFERN FOREST UD	H	SAN JACINTO	HARRIS	084401000	08440100010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	496	596	624	624	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
CONROE	H	SAN JACINTO	MONTGOMERY	080130000	08013000017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	2165	9786	17812	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO	MONTGOMERY	080757170	08075717017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	537	8580	25585	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
CUT AND SHOOT	H	SAN JACINTO	MONTGOMERY	080854000	08085400017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	33	147	265	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
EAST PLANTATION UD	H	SAN JACINTO	MONTGOMERY	084098000	08409800017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	91	426	794	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
H M W SUD	H	SAN JACINTO	MONTGOMERY	084147000	08414700017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	261	1164	2091	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
MONTGOMERY	H	SAN JACINTO	MONTGOMERY	MONTGOMERY	MONTGOMERY17010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	0	835	1467	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
MONTGOMERY COUNTY MUD #18	H	SAN JACINTO	MONTGOMERY	084261000	08426100017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	461	2265	4354	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
MONTGOMERY COUNTY MUD #19	H	SAN JACINTO	MONTGOMERY	084262000	08426200017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	42	152	222	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
MONTGOMERY COUNTY MUD #8	H	SAN JACINTO	MONTGOMERY	084263000	08426300017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	149	361	493	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
MONTGOMERY COUNTY MUD #9	H	SAN JACINTO	MONTGOMERY	084264000	08426400017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	160	400	558	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
MONTGOMERY COUNTY UD #3	H	SAN JACINTO	MONTGOMERY	084266000	08426600017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	60	248	423	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
MONTGOMERY COUNTY UD #4	H	SAN JACINTO	MONTGOMERY	084267000	08426700017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	90	322	473	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
OAK RIDGE NORTH	H	SAN JACINTO	MONTGOMERY	080726000	08072600017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	101	442	784	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
PANORAMA VILLAGE	H	SAN JACINTO	MONTGOMERY	080732000	08073200017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	71	265	406	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
RAYFORD ROAD MUD	H	SAN JACINTO	MONTGOMERY	084312000	08431200017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	214	769	1127	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
RIVER PLANTATION MUD	H	SAN JACINTO	MONTGOMERY	084322000	08432200017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	76	272	398	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
SHENANDOAH	H	SAN JACINTO	MONTGOMERY	080745000	08074500017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	258	1091	1892	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
SOUTHERN MONTGOMERY COUNTY MUD	H	SAN JACINTO	MONTGOMERY	084339000	08433900017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	235	856	1282	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
SPRING CREEK UD	H	SAN JACINTO	MONTGOMERY	084344000	08434400017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	97	455	846	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
STANLEY LAKE MUD	H	SAN JACINTO	MONTGOMERY	084347000	08434700017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	84	304	445	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
THE WOODLANDS	H	SAN JACINTO	MONTGOMERY	088001000	08800100017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	2653	9514	13948	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
WILLIS	H	SAN JACINTO	MONTGOMERY	080655000	08065500017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	97	442	811	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
MANUFACTURING	H	SAN JACINTO	HARRIS	081001101	08100110110110	CITY OF HOUSTON	WASTEWATER REUSE FOR INDUSTRY	H	SAN JACINTO	HARRIS	361010110	0	0	0	0	0	67200	Y	WASTEWATER REUSE FOR INDUSTRY	INDUSTRY
HARRIS COUNTY MUD #132	H	SAN JACINTO	HARRIS	084157000	08415700010110	WHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	421	1393	1909	2292	2667	3058	Y	WHCRWA GRP	WHCRWA GRP Participation
HARRIS COUNTY MUD #151	H	SAN JACINTO	HARRIS	084159000	08415900010110	WHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	306	811	932	925	925	925	Y	WHCRWA GRP	WHCRWA GRP Participation
HARRIS COUNTY MUD #152	H	SAN JACINTO	HARRIS	084160000	08416000010110	WHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	189	650	909	1112	1324	1536	Y	WHCRWA GRP	WHCRWA GRP Participation
HARRIS COUNTY MUD #180	H	SAN JACINTO	HARRIS	084170000	08417000010110	WHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	148	475	640	758	874	998	Y	WHCRWA GRP	WHCRWA GRP Participation
HARRIS COUNTY MUD #46	H	SAN JACINTO	HARRIS	084183000	08418300010110	WHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	201	526	598	593	593	593	Y	WHCRWA GRP	WHCRWA GRP Participation
KATY	H	SAN JACINTO	FORT BEND	080312000	08031200007910	WHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	FORT BEND	0791510	68	238	356	462	601	764	Y	WHCRWA GRP	WHCRWA GRP Participation
KATY	H	SAN JACINTO	HARRIS	080312000	08031200010110	WHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	756	2462	3347	3989	4619	5276	Y	WHCRWA GRP	WHCRWA GRP Participation
KATY	H	SAN JACINTO	WALLER	080312000	08031200023710	WHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	65	258	409	566	751	968	Y	WHCRWA GRP	WHCRWA GRP Participation
TRAIL OF THE LAKES MUD	H	SAN JACINTO	HARRIS	084355000	08435500010110	WHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	334	876	1005	986	986	986	Y	WHCRWA GRP	WHCRWA GRP Participation
WHCRWA	H	SAN JACINTO	FORT BEND	088002000	08800200007910	WHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	FORT BEND	0791510	-68	-238	-356	-462	-601	-764	Y	WHCRWA GRP	WHCRWA GRP Participation
WHCRWA	H	SAN JACINTO	HARRIS	088002000	08800200010110	WHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	-2420	-7451	-9749	-11221	-12739	-14340	Y	WHCRWA GRP	WHCRWA GRP Participation

Attachment H:

Amended Table 4A-8: WUG-Level Contracts

Region H
Table 4A-8: WUG-Level Contracts

Note- includes GRP/WRAP participation, reuse supplies with a listed WWP, expanded GW with a listed WWP, and interruptible irrigation supplies.

WWP	WWP ID	WUG	WUG Basin	WUG County	WUG ID	2010	2020	2030	2040	2050	2060
BAYTOWN AREA WATER AUTHORITY	15	HARRIS COUNTY WCID #1	SAN JACINTO	HARRIS	08419300010110	0	26	262	398	535	692
WWP Total						**0**	**26**	**262**	**398**	**535**	**692**
BRAZOS RIVER AUTHORITY	331	COUNTY-OTHER	SAN JACINTO	FORT BEND	08075707907910	0	23	61	471	1,532	2,737
BRAZOS RIVER AUTHORITY	331	COUNTY-OTHER	SAN JACINTO-BRAZOS	FORT BEND	08075707907911	0	0	0	123	6,420	13,886
BRAZOS RIVER AUTHORITY	331	COUNTY-OTHER	BRAZOS	FORT BEND	08075707907912	0	0	426	3,883	11,715	21,156
BRAZOS RIVER AUTHORITY	331	MANUFACTURING	SAN JACINTO-BRAZOS	BRAZORIA	08100102002011	0	0	0	1,615	4,484	8,140
BRAZOS RIVER AUTHORITY	331	MANUFACTURING	BRAZOS	BRAZORIA	08100102002012	0	47,499	29,570	49,592	67,501	88,950
BRAZOS RIVER AUTHORITY	331	MANUFACTURING	SAN JACINTO	FORT BEND	08100107907910	0	623	1,292	1,354	1,396	1,297
BRAZOS RIVER AUTHORITY	331	MANUFACTURING	BRAZOS	FORT BEND	08100107907912	0	0	406	445	471	422
BRAZOS RIVER AUTHORITY	331	MINING	SAN JACINTO-BRAZOS	BRAZORIA	08100302002011	0	73	103	146	195	244
BRAZOS RIVER AUTHORITY	331	MINING	BRAZOS	BRAZORIA	08100302002012	0	119	136	154	171	187
BRAZOS RIVER AUTHORITY	331	MINING	BRAZOS-COLORADO	BRAZORIA	08100302002013	0	431	546	662	807	956
BRAZOS RIVER AUTHORITY	331	MINING	SAN JACINTO	FORT BEND	08100307907910	0	77	165	168	171	173
BRAZOS RIVER AUTHORITY	331	MINING	BRAZOS	FORT BEND	08100307907912	0	189	383	389	396	401
BRAZOS RIVER AUTHORITY	331	FAIRCHILDS	BRAZOS	FORT BEND	08101900007912	0	125	354	483	657	856
BRAZOS RIVER AUTHORITY	331	FORT BEND COUNTY MUD #25	SAN JACINTO-BRAZOS	FORT BEND	08412200007911	0	0	1,025	1,769	2,775	3,924
BRAZOS RIVER AUTHORITY	331	FORT BEND COUNTY MUD #81	BRAZOS	FORT BEND	08412900007912	0	253	734	1,042	1,451	1,918
BRAZOS RIVER AUTHORITY	331	ORBIT SYSTEMS INC	SAN JACINTO-BRAZOS	FORT BEND	08429400007911	0	4	10	12	14	17
WWP Total						**0**	**49,416**	**35,211**	**62,308**	**100,156**	**145,264**
BRAZOSPORT WATER AUTHORITY	2000	ANGLETON	SAN JACINTO-BRAZOS	BRAZORIA	08001800002011	0	994	997	1,001	1,026	1,063
BRAZOSPORT WATER AUTHORITY	2000	BRAZORIA	BRAZOS	BRAZORIA	08007200002012	0	175	175	175	175	175
BRAZOSPORT WATER AUTHORITY	2000	CLUTE	SAN JACINTO-BRAZOS	BRAZORIA	08011800002011	0	582	594	604	626	657
BRAZOSPORT WATER AUTHORITY	2000	FREEPORT	SAN JACINTO-BRAZOS	BRAZORIA	08021700002011	0	1,039	1,126	1,217	1,337	1,483
BRAZOSPORT WATER AUTHORITY	2000	LAKE JACKSON	SAN JACINTO-BRAZOS	BRAZORIA	08033800002011	0	1,532	1,595	1,709	1,865	2,049
BRAZOSPORT WATER AUTHORITY	2000	RICHWOOD	SAN JACINTO-BRAZOS	BRAZORIA	08050100002011	0	154	155	158	166	176
BRAZOSPORT WATER AUTHORITY	2000	OYSTER CREEK	SAN JACINTO-BRAZOS	BRAZORIA	08073000002011	0	71	77	85	95	107
BRAZOSPORT WATER AUTHORITY	2000	COUNTY-OTHER	SAN JACINTO-BRAZOS	BRAZORIA	08075702002011	0	3,173	3,501	3,273	2,999	2,579
BRAZOSPORT WATER AUTHORITY	2000	MANUFACTURING	SAN JACINTO-BRAZOS	BRAZORIA	08100102002011	0	849	349	347	280	280
BRAZOSPORT WATER AUTHORITY	2000	ANGLETON	SAN JACINTO-BRAZOS	BRAZORIA	08001800002011	137	98	103	112	160	231
BRAZOSPORT WATER AUTHORITY	2000	CLUTE	SAN JACINTO-BRAZOS	BRAZORIA	08011800002011	0	0	24	42	84	144
BRAZOSPORT WATER AUTHORITY	2000	FREEPORT	SAN JACINTO-BRAZOS	BRAZORIA	08021700002011	0	95	263	439	670	950
BRAZOSPORT WATER AUTHORITY	2000	LAKE JACKSON	SAN JACINTO-BRAZOS	BRAZORIA	08033800002011	744	708	830	1,049	1,349	1,703
BRAZOSPORT WATER AUTHORITY	2000	RICHWOOD	SAN JACINTO-BRAZOS	BRAZORIA	08050100002011	36	33	36	42	56	76
BRAZOSPORT WATER AUTHORITY	2000	OYSTER CREEK	SAN JACINTO-BRAZOS	BRAZORIA	08073000002011	25	31	42	57	76	100
BRAZOSPORT WATER AUTHORITY	2000	COUNTY-OTHER	SAN JACINTO-BRAZOS	BRAZORIA	08075702002011	4,730	3,837	4,313	5,198	6,108	7,327
BRAZOSPORT WATER AUTHORITY	2000	COUNTY-OTHER	BRAZOS	BRAZORIA	08075702002012	0	116	124	129	137	146
BRAZOSPORT WATER AUTHORITY	2000	COUNTY-OTHER	BRAZOS-COLORADO	BRAZORIA	08075702002013	1,752	1,852	2,005	2,109	2,293	2,508
BRAZOSPORT WATER AUTHORITY	2000	MANUFACTURING	SAN JACINTO-BRAZOS	BRAZORIA	08100102002011	0	844	4	6	0	0
BRAZOSPORT WATER AUTHORITY	2000	MANUFACTURING	BRAZOS	BRAZORIA	08100102002012	326	252	130	124	0	0
BRAZOSPORT WATER AUTHORITY	2000	ANGLETON	SAN JACINTO-BRAZOS	BRAZORIA	08001800002011	0	364	365	366	376	389
BRAZOSPORT WATER AUTHORITY	2000	BRAZORIA	BRAZOS	BRAZORIA	08008200002012	0	64	64	64	64	64
BRAZOSPORT WATER AUTHORITY	2000	CLUTE	SAN JACINTO-BRAZOS	BRAZORIA	08011800002011	0	213	218	221	229	240
BRAZOSPORT WATER AUTHORITY	2000	COUNTY-OTHER	SAN JACINTO-BRAZOS	BRAZORIA	08075702002011	0	1,161	1,280	1,198	1,098	945
BRAZOSPORT WATER AUTHORITY	2000	FREEPORT	SAN JACINTO-BRAZOS	BRAZORIA	08021700002011	0	380	412	446	489	543
BRAZOSPORT WATER AUTHORITY	2000	LAKE JACKSON	SAN JACINTO-BRAZOS	BRAZORIA	08033800002011	0	561	584	625	682	750
BRAZOSPORT WATER AUTHORITY	2000	MANUFACTURING	SAN JACINTO-BRAZOS	BRAZORIA	08100102002011	0	311	128	127	102	102
BRAZOSPORT WATER AUTHORITY	2000	OYSTER CREEK	SAN JACINTO-BRAZOS	BRAZORIA	08073000002011	0	26	28	31	35	39
BRAZOSPORT WATER AUTHORITY	2000	RICHWOOD	SAN JACINTO-BRAZOS	BRAZORIA	08050100002011	0	56	57	58	61	64
WWP Total						**7,750**	**19,571**	**19,579**	**21,012**	**22,638**	**24,890**
CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	150	MONT BELVIEU	TRINITY	CHAMBERS	08041300003608	0	677	824	955	1,090	1,230
CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	150	MONT BELVIEU	TRINITY-SAN JACINTO	CHAMBERS	08041300003609	0	268	335	396	462	532
CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	150	OLD RIVER-WINFREE	TRINITY	CHAMBERS	08072700003608	0	178	189	198	211	225
CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	150	COUNTY-OTHER	TRINITY	CHAMBERS	08075703603608	0	187	180	173	168	166
CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	150	COUNTY-OTHER	TRINITY-SAN JACINTO	CHAMBERS	08075703603609	0	101	100	99	97	99
CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	150	BEACH CITY	TRINITY	CHAMBERS	08082200003608	0	42	52	61	69	74
CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	150	BEACH CITY	TRINITY-SAN JACINTO	CHAMBERS	08082200003609	0	238	298	353	414	478
CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	150	IRRIGATION	NECHES-TRINITY	CHAMBERS	08100403603607	0	0	0	0	0	0
CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	150	IRRIGATION	TRINITY	CHAMBERS	08100403603608	20,376	20,600	20,734	20,857	20,975	21,076
WWP Total						**20,376**	**22,291**	**22,712**	**23,092**	**23,486**	**23,880**
CHCRWA	999902	CHCRWA	SAN JACINTO	HARRIS	CHCRWA10110	0	1,771	2,414	2,431	2,431	2,431
WWP Total						**0**	**1,771**	**2,414**	**2,431**	**2,431**	**2,431**
CITY OF GALVESTON	316200	GALVESTON	SAN JACINTO-BRAZOS	GALVESTON	08022700008411	0	7,262	7,262	7,262	7,262	7,262
WWP Total						**0**	**7,262**	**7,262**	**7,262**	**7,262**	**7,262**
CITY OF HOUSTON	396200	BELLAIRE	SAN JACINTO	HARRIS	08004600010110	1,440	1,631	1,823	2,100	2,351	2,646
CITY OF HOUSTON	396200	BUNKER HILL VILLAGE	SAN JACINTO	HARRIS	08008500010110	478	469	460	455	448	448
CITY OF HOUSTON	396200	GALENA PARK	SAN JACINTO	HARRIS	08022600010110	22	25	33	40	71	115
CITY OF HOUSTON	396200	HEDWIG VILLAGE	SAN JACINTO	HARRIS	08026900010110	458	459	461	467	465	471
CITY OF HOUSTON	396200	HOUSTON	SAN JACINTO	FORT BEND	08028500007910	0	0	0	0	0	0
CITY OF HOUSTON	396200	HOUSTON	SAN JACINTO	HARRIS	08028500010110	0	0	0	0	0	12,101
CITY OF HOUSTON	396200	HOUSTON	SAN JACINTO-BRAZOS	HARRIS	08028500010111	0	0	0	0	0	319

Region H
Table 4A-8: WUG-Level Contracts

WWP	WWP ID	WUG	WUG Basin	WUG County	WUG ID	2010	2020	2030	2040	2050	2060
CITY OF HOUSTON	396200	HOUSTON	SAN JACINTO	MONTGOMERY	08028500017010	0	62	173	305	481	689
CITY OF HOUSTON	396200	HUMBLE	SAN JACINTO	HARRIS	08028900010110	820	2,538	3,234	3,646	4,001	4,415
CITY OF HOUSTON	396200	HUNTERS CREEK VILLAGE	SAN JACINTO	HARRIS	08029000010110	955	1,034	1,111	1,218	1,312	1,426
CITY OF HOUSTON	396200	JACINTO CITY	SAN JACINTO	HARRIS	08030100010110	0	0	0	0	27	108
CITY OF HOUSTON	396200	PEARLAND	SAN JACINTO-BRAZOS	BRAZORIA	08045700002011	0	0	201	294	325	0
CITY OF HOUSTON	396200	PEARLAND	SAN JACINTO-BRAZOS	HARRIS	08045700010111	0	0	0	0	4	0
CITY OF HOUSTON	396200	PINEY POINT VILLAGE	SAN JACINTO	HARRIS	08046800010110	697	731	763	810	850	902
CITY OF HOUSTON	396200	SOUTHSIDE PLACE	SAN JACINTO	HARRIS	08057200010110	0	3	23	45	72	100
CITY OF HOUSTON	396200	SPRING VALLEY	SAN JACINTO	HARRIS	08057500010110	213	585	699	732	759	797
CITY OF HOUSTON	396200	WALLER	SAN JACINTO	HARRIS	08062900010110	0	0	0	0	0	203
CITY OF HOUSTON	396200	WEST UNIVERSITY PL.	SAN JACINTO	HARRIS	08064300010110	231	359	499	648	819	1,015
CITY OF HOUSTON	396200	COUNTY-OTHER	SAN JACINTO	HARRIS	08075710110110	0	0	0	11,553	36,537	48,315
CITY OF HOUSTON	396200	COUNTY-OTHER	SAN JACINTO-BRAZOS	HARRIS	08075710110111	203	0	64	47	47	47
CITY OF HOUSTON	396200	MANUFACTURING	SAN JACINTO	HARRIS	08100110110110	0	0	0	0	0	0
CITY OF HOUSTON	396200	MANUFACTURING	SAN JACINTO-BRAZOS	HARRIS	08100110110111	4,487	8,862	12,609	25,460	26,655	25,261
CITY OF HOUSTON	396200	STEAM ELECTRIC POWER	SAN JACINTO	HARRIS	08100210110110	0	5,957	9,395	18,448	22,936	26,650
CITY OF HOUSTON	396200	STEAM ELECTRIC POWER	SAN JACINTO-BRAZOS	HARRIS	08100210110111	400	1,239	1,449	2,787	2,964	2,812
CITY OF HOUSTON	396200	MINING	SAN JACINTO	HARRIS	08100310110110	140	274	358	455	546	629
CITY OF HOUSTON	396200	MINING	SAN JACINTO-BRAZOS	HARRIS	08100310110111	3	5	7	9	10	12
CITY OF HOUSTON	396200	IRRIGATION	TRINITY	LIBERTY	08100414614608	0	0	0	0	0	0
CITY OF HOUSTON	396200	IRRIGATION	TRINITY-SAN JACINTO	LIBERTY	08100414614609	6,657	6,697	6,732	6,767	6,805	5,742
CITY OF HOUSTON	396200	HILSHIRE VILLAGE	SAN JACINTO	HARRIS	08102500010110	0	5	21	19	19	19
CITY OF HOUSTON	396200	BLUE BELL MANOR UTILITY COMPAN	SAN JACINTO	HARRIS	08402600010110	140	363	413	407	402	402
CITY OF HOUSTON	396200	BRITMOORE UTILITIES	SAN JACINTO	HARRIS	08403600010110	115	354	466	546	615	691
CITY OF HOUSTON	396200	CANDLELIGHT HILLS SUBDIVISION	SAN JACINTO	HARRIS	08404300010110	110	342	454	536	605	684
CITY OF HOUSTON	396200	CHIMNEY HILL MUD	SAN JACINTO	HARRIS	08405300010110	0	0	37	31	120	118
CITY OF HOUSTON	396200	CONSUMERS WATER INC	SAN JACINTO	HARRIS	08407200010110	96	336	483	596	713	834
CITY OF HOUSTON	396200	CRYSTAL SPRNGS WATER COMPAN	SAN JACINTO	HARRIS	08408100010110	5	17	24	30	35	41
CITY OF HOUSTON	396200	EL DORADO UD	SAN JACINTO	HARRIS	08410100010110	130	325	403	440	481	526
CITY OF HOUSTON	396200	FOUNTAINVIEW SUBDIVISION	SAN JACINTO	HARRIS	08413200010110	83	250	326	372	414	465
CITY OF HOUSTON	396200	GREEN TRAILS MUD	SAN JACINTO	HARRIS	08414300010110	224	668	862	973	1,087	1,204
CITY OF HOUSTON	396200	HARRIS COUNTY MUD #11	SAN JACINTO	HARRIS	08415300010110	102	303	389	437	487	543
CITY OF HOUSTON	396200	HARRIS COUNTY MUD #119 INWOOD	SAN JACINTO	HARRIS	08415400010110	211	588	665	652	644	644
CITY OF HOUSTON	396200	HARRIS COUNTY MUD #153	SAN JACINTO	HARRIS	08416100010110	295	1,069	1,559	1,961	2,373	2,782
CITY OF HOUSTON	396200	HARRIS COUNTY MUD #154	SAN JACINTO	HARRIS	08416200010110	163	532	721	860	995	1,141
CITY OF HOUSTON	396200	HARRIS COUNTY MUD #158	SAN JACINTO	HARRIS	08416500010110	0	0	25	20	19	18
CITY OF HOUSTON	396200	HARRIS COUNTY MUD #189	SAN JACINTO	HARRIS	08417400010110	193	621	838	995	1,148	1,311
CITY OF HOUSTON	396200	HARRIS COUNTY MUD #261	SAN JACINTO	HARRIS	08417900010110	140	495	581	585	579	579
CITY OF HOUSTON	396200	HARRIS COUNTY MUD #345	SAN JACINTO	HARRIS	08418200010110	341	898	1,038	1,045	1,035	1,035
CITY OF HOUSTON	396200	HARRIS COUNTY MUD #5	SAN JACINTO	HARRIS	08418400010110	157	411	465	459	448	448
CITY OF HOUSTON	396200	HARRIS COUNTY MUD #8	SAN JACINTO	HARRIS	08418900010110	96	140	179	234	292	359
CITY OF HOUSTON	396200	HARRIS COUNTY UD #14	SAN JACINTO	HARRIS	08419000010110	143	409	511	559	609	661
CITY OF HOUSTON	396200	HARRIS COUNTY UD #15	SAN JACINTO	HARRIS	08419100010110	104	312	403	455	509	568
CITY OF HOUSTON	396200	HARRIS COUNTY WCID #133	SAN JACINTO	HARRIS	08419500010110	181	480	553	546	550	550
CITY OF HOUSTON	396200	HARRIS COUNTY WCID #76	SAN JACINTO	HARRIS	08419900010110	73	187	211	209	204	204
CITY OF HOUSTON	396200	LONGHORN TOWN UD	SAN JACINTO	HARRIS	08423500010110	167	574	857	1,105	1,351	1,597
CITY OF HOUSTON	396200	MASON CREEK UD	SAN JACINTO	HARRIS	08424700010110	566	1,487	1,696	1,682	1,674	1,674
CITY OF HOUSTON	396200	NORTH BELT UD	SAN JACINTO	HARRIS	08427500010110	112	384	541	666	796	926
CITY OF HOUSTON	396200	NORTH GREEN MUD	SAN JACINTO	HARRIS	08427900010110	84	242	300	321	345	372
CITY OF HOUSTON	396200	NORTHWEST PARK MUD	SAN JACINTO	HARRIS	08428700010110	662	2,179	2,525	2,474	2,450	2,450
CITY OF HOUSTON	396200	PARKWAY UD	SAN JACINTO	HARRIS	08429800010110	225	221	214	210	205	207
CITY OF HOUSTON	396200	SOUTHWEST UTILITIES	SAN JACINTO	HARRIS	08434300010110	171	509	653	736	811	903
CITY OF HOUSTON	396200	SUNBELT FWSD	SAN JACINTO	HARRIS	08435000010110	576	2,842	3,877	4,571	5,251	5,967
CITY OF HOUSTON	396200	WEST HARRIS COUNTY MUD #6	SAN JACINTO	HARRIS	08438700010110	135	360	416	406	401	401
CITY OF HOUSTON	396200	WILLOW RUN SUBDIVISION	SAN JACINTO	HARRIS	08439800010110	159	417	474	470	459	459
CITY OF HOUSTON	396200	WINDFERN FOREST UD	SAN JACINTO	HARRIS	08440100010110	126	591	681	680	673	673
CITY OF HOUSTON	396200	WOODCREEK MUD	SAN JACINTO	HARRIS	08440400010110	150	521	739	913	1,092	1,271
CITY OF HOUSTON	396200	ROLLING FORK PUD	SAN JACINTO	HARRIS	08441100010110	173	470	560	589	610	641
WWP Total						**23,612**	**50,832**	**65,254**	**104,076**	**138,986**	**168,591**
CITY OF PASADENA	651900	PASADENA	SAN JACINTO-BRAZOS	HARRIS	08045600010111	0	40	77	77	77	77
CITY OF PASADENA	651900	EL LAGO	SAN JACINTO-BRAZOS	HARRIS	08069500010111	248	270	283	294	298	309
CITY OF PASADENA	651900	HARRIS COUNTY WCID #50	SAN JACINTO	HARRIS	08419800010110	508	557	600	659	709	772
CITY OF PASADENA	651900	SEABROOK	SAN JACINTO-BRAZOS	HARRIS	08054500010111	1,109	1,451	1,782	2,200	2,572	2,987
WWP Total						**1,865**	**2,318**	**2,742**	**3,230**	**3,656**	**4,145**
FORT BEND CO. WCID 1	380	MANUFACTURING	SAN JACINTO-BRAZOS	FORT BEND	08100107907911	0	148	824	940	1,016	1,016
WWP Total						**0**	**148**	**824**	**940**	**1,016**	**1,016**
FORT BEND COUNTY WCID #2	821000	MEADOWS	SAN JACINTO	FORT BEND	08079200007910	0	447	993	993	993	993
FORT BEND COUNTY WCID #2	821000	MEADOWS	SAN JACINTO-BRAZOS	FORT BEND	08079200007911	0	44	99	99	99	99
WWP Total						**0**	**491**	**1,092**	**1,092**	**1,092**	**1,092**
GALVESTON COUNTY WCID #1	316325	DICKINSON	SAN JACINTO-BRAZOS	GALVESTON	08016500008411	0	799	959	990	1,025	1,064
WWP Total						**0**	**799**	**959**	**990**	**1,025**	**1,064**
GULF COAST WATER AUTHORITY	325	ALVIN	SAN JACINTO-BRAZOS	BRAZORIA	08001300002011	0	0	99	208	383	595
GULF COAST WATER AUTHORITY	325	HITCHCOCK	SAN JACINTO-BRAZOS	GALVESTON	08027900008411	0	182	182	182	182	182
GULF COAST WATER AUTHORITY	325	KEMAH	SAN JACINTO-BRAZOS	GALVESTON	08031600008411	0	208	230	237	241	247

Region H
Table 4A-8: WUG-Level Contracts

WWP	WWP ID	WUG	WUG Basin	WUG County	WUG ID	2010	2020	2030	2040	2050	2060
GULF COAST WATER AUTHORITY	325	LEAGUE CITY	SAN JACINTO-BRAZOS	GALVESTON	08035000008411	0	3,485	3,837	3,909	3,993	4,093
GULF COAST WATER AUTHORITY	325	LEAGUE CITY	SAN JACINTO-BRAZOS	HARRIS	08035000010111	0	15	15	15	16	16
GULF COAST WATER AUTHORITY	325	PEARLAND	SAN JACINTO-BRAZOS	BRAZORIA	08045700002011	0	0	539	2,068	4,109	6,783
GULF COAST WATER AUTHORITY	325	PEARLAND	SAN JACINTO-BRAZOS	HARRIS	08045700010111	0	0	0	0	47	130
GULF COAST WATER AUTHORITY	325	TEXAS CITY	SAN JACINTO-BRAZOS	GALVESTON	08060200008411	0	10,085	10,085	10,085	10,085	10,085
GULF COAST WATER AUTHORITY	325	MANVEL	SAN JACINTO-BRAZOS	BRAZORIA	08072100002011	0	49	44	45	48	51
GULF COAST WATER AUTHORITY	325	COUNTY-OTHER	SAN JACINTO-BRAZOS	FORT BEND	08075707907911	0	0	0	1,950	1,950	1,950
GULF COAST WATER AUTHORITY	325	COUNTY-OTHER	SAN JACINTO-BRAZOS	GALVESTON	08075708408411	0	2,659	2,659	2,659	2,659	2,659
GULF COAST WATER AUTHORITY	325	CLEAR LAKE SHORES	SAN JACINTO-BRAZOS	GALVESTON	08076400008411	0	87	89	89	89	89
GULF COAST WATER AUTHORITY	325	TIKI ISLAND	SAN JACINTO-BRAZOS	GALVESTON	08097300008411	0	630	630	630	630	630
GULF COAST WATER AUTHORITY	325	MANUFACTURING	SAN JACINTO-BRAZOS	BRAZORIA	08100102002011	0	0	1,580	1,580	1,580	1,580
GULF COAST WATER AUTHORITY	325	MANUFACTURING	BRAZOS	BRAZORIA	08100102002012	13,694	13,694	51,614	51,614	51,614	51,614
GULF COAST WATER AUTHORITY	325	STEAM ELECTRIC POWER	SAN JACINTO-BRAZOS	GALVESTON	08100208408411	0	1,381	1,992	2,819	3,828	5,057
GULF COAST WATER AUTHORITY	325	MINING	SAN JACINTO-BRAZOS	FORT BEND	08100307907911	0	86	703	717	729	739
GULF COAST WATER AUTHORITY	325	MINING	SAN JACINTO-BRAZOS	GALVESTON	08100308408411	0	21	24	28	31	34
GULF COAST WATER AUTHORITY	325	IRRIGATION	SAN JACINTO-BRAZOS	BRAZORIA	08100402002011	82,741	71,681	62,691	62,777	62,970	64,614
GULF COAST WATER AUTHORITY	325	IRRIGATION	BRAZOS	BRAZORIA	08100402002012	1,754	1,384	1,243	1,157	1,157	1,157
GULF COAST WATER AUTHORITY	325	IRRIGATION	SAN JACINTO-BRAZOS	GALVESTON	08100408408411	6,788	6,788	6,788	6,788	6,788	6,788
GULF COAST WATER AUTHORITY	325	BACLIFF MUD	SAN JACINTO-BRAZOS	GALVESTON	08401200008411	0	630	630	630	630	630
GULF COAST WATER AUTHORITY	325	GALVESTON COUNTY WCID #12	SAN JACINTO-BRAZOS	GALVESTON	08413600008411	0	2,287	2,287	2,287	2,287	2,287
GULF COAST WATER AUTHORITY	325	SAN LEON MUD	SAN JACINTO-BRAZOS	GALVESTON	08432900008411	0	1,260	1,260	1,260	1,260	1,260
WWP Total						**104,977**	**116,612**	**149,221**	**153,734**	**157,306**	**163,270**
LOWER NECHES VALLEY AUTHORITY	140	MINING	NECHES-TRINITY	GALVESTON	08100308408407	16	23	26	29	33	37
WWP Total						**16**	**23**	**26**	**29**	**33**	**37**
MISSOURI CITY	999903	MISSOURI CITY	SAN JACINTO	FORT BEND	08040900007910	0	715	1,195	1,794	1,794	2,517
MISSOURI CITY	999903	MISSOURI CITY	SAN JACINTO-BRAZOS	FORT BEND	08040900007911	0	2,595	5,342	8,051	7,983	11,503
MISSOURI CITY	999903	MISSOURI CITY	BRAZOS	FORT BEND	08040900007912	0	508	665	822	890	905
MISSOURI CITY	999903	MISSOURI CITY	SAN JACINTO	HARRIS	08040900010110	0	386	454	707	707	862
MISSOURI CITY	999903	COUNTY-OTHER	SAN JACINTO-BRAZOS	FORT BEND	08075707907911	0	26	85	594	778	829
MISSOURI CITY	999903	COUNTY-OTHER	BRAZOS	FORT BEND	08075707907912	0	172	859	929	946	959
MISSOURI CITY	999903	FIRST COLONY MUD #9	BRAZOS	FORT BEND	08411300007912	0	342	793	831	879	926
MISSOURI CITY	999903	FORT BEND COUNTY MUD #23	SAN JACINTO-BRAZOS	FORT BEND	08412100007911	0	464	1,069	1,069	1,070	1,070
MISSOURI CITY	999903	SIENNA PLANTATION MUD #2	SAN JACINTO-BRAZOS	FORT BEND	08433400007911	0	292	655	651	651	651
WWP Total						**0**	**5,500**	**11,117**	**15,448**	**15,698**	**20,222**
NFBWA	999901	FULSHEAR	SAN JACINTO-BRAZOS	FORT BEND	08086900007911	0	0	0	0	45	112
NFBWA	999901	FULSHEAR	BRAZOS	FORT BEND	08086900007912	0	0	0	0	76	178
NFBWA	999901	ARCOLA	SAN JACINTO-BRAZOS	FORT BEND	08099800007911	0	106	258	295	345	397
NFBWA	999901	NFBWA	SAN JACINTO	FORT BEND	NFBWA07910	0	0	7,700	11,775	13,327	13,887
NFBWA	999901	NFBWA	SAN JACINTO-BRAZOS	FORT BEND	NFBWA07911	0	6,334	12,704	22,026	29,994	37,709
NFBWA	999901	NFBWA	BRAZOS	FORT BEND	NFBWA07912	0	150	892	1,905	3,313	5,103
NFBWA	999901	NFBWA	SAN JACINTO	HARRIS	NFBWA10110	0	444	732	865	926	939
WWP Total						**0**	**7,034**	**22,286**	**36,866**	**48,026**	**58,325**
NHCRWA	999904	TOMBALL	SAN JACINTO	HARRIS	08060800010110	620	2,102	2,830	3,760	4,441	5,442
NHCRWA	999904	JERSEY VILLAGE	SAN JACINTO	HARRIS	08070900010110	0	364	767	1,043	1,315	1,600
NHCRWA	999904	NORTHWEST HARRIS COUNTY MUD	SAN JACINTO	HARRIS	08428600010110	141	467	646	770	908	1,046
NHCRWA	999904	NHCRWA	SAN JACINTO	HARRIS	08800000010110	0	53,520	80,393	87,241	90,563	94,527
WWP Total						**761**	**56,453**	**84,636**	**92,814**	**97,227**	**102,615**
NORTH CHANNEL WATER AUTHORITY	607473	HARRIS COUNTY FWSD #47	SAN JACINTO	HARRIS	08414900010110	25	14	4	3	3	3
NORTH CHANNEL WATER AUTHORITY	607473	HARRIS COUNTY FWSD #51	SAN JACINTO	HARRIS	08415000010110	363	266	250	213	211	211
NORTH CHANNEL WATER AUTHORITY	607473	HARRIS COUNTY FWSD #6	SAN JACINTO	HARRIS	08415100010110	103	145	184	236	281	334
NORTH CHANNEL WATER AUTHORITY	607473	HARRIS COUNTY MUD #53	SAN JACINTO	HARRIS	08418600010110	587	920	1,231	1,652	2,029	2,454
NORTH CHANNEL WATER AUTHORITY	607473	HARRIS COUNTY WCID #21	SAN JACINTO	HARRIS	08419600010110	272	313	349	389	443	513
NORTH CHANNEL WATER AUTHORITY	607473	HARRIS COUNTY WCID #36	SAN JACINTO	HARRIS	08419700010110	190	268	338	438	540	660
NORTH CHANNEL WATER AUTHORITY	607473	HARRIS COUNTY WCID #84	SAN JACINTO	HARRIS	08420000010110	199	200	201	201	206	216
NORTH CHANNEL WATER AUTHORITY	607473	PINE TRAILS UTILITY	SAN JACINTO	HARRIS	08430200010110	215	266	312	379	444	521
WWP Total						**1,954**	**2,392**	**2,869**	**3,511**	**4,157**	**4,912**
NRG	398300	STEAM ELECTRIC POWER	BRAZOS	FORT BEND	08100207907912	0	0	0	0	0	8,500
WWP Total						**0**	**0**	**0**	**0**	**0**	**8,500**
RICHMOND-ROSENBERG	999905	RICHMOND	BRAZOS	FORT BEND	08050000007912	0	0	0	0	0	248
RICHMOND-ROSENBERG	999905	ROSENBERG	BRAZOS	FORT BEND	08051800007912	0	0	0	1,091	3,060	5,397
WWP Total						**0**	**0**	**0**	**1,091**	**3,060**	**5,645**
SAN JACINTO RIVER AUTHORITY	240	CONROE	SAN JACINTO	MONTGOMERY	08013000017010	0	5,256	8,550	8,377	14,027	20,630
SAN JACINTO RIVER AUTHORITY	240	WILLIS	SAN JACINTO	MONTGOMERY	08065500017010	0	236	380	377	635	941
SAN JACINTO RIVER AUTHORITY	240	OAK RIDGE NORTH	SAN JACINTO	MONTGOMERY	08072600017010	0	272	418	392	637	911
SAN JACINTO RIVER AUTHORITY	240	PANORAMA VILLAGE	SAN JACINTO	MONTGOMERY	08073200017010	0	251	334	277	384	475
SAN JACINTO RIVER AUTHORITY	240	PATTON VILLAGE	SAN JACINTO	MONTGOMERY	08073400017010	0	32	47	64	84	113
SAN JACINTO RIVER AUTHORITY	240	SHENANDOAH	SAN JACINTO	MONTGOMERY	08074500017010	0	737	1,098	1,002	1,570	2,200
SAN JACINTO RIVER AUTHORITY	240	COUNTY-OTHER	SAN JACINTO	HARRIS	08075710110110	0	0	5,299	19,014	16,041	17,533
SAN JACINTO RIVER AUTHORITY	240	COUNTY-OTHER	SAN JACINTO	MONTGOMERY	08075717017010	0	10,308	16,497	23,807	34,448	48,756
SAN JACINTO RIVER AUTHORITY	240	ROMAN FOREST	SAN JACINTO	MONTGOMERY	08080100017010	0	306	561	860	1,283	1,809
SAN JACINTO RIVER AUTHORITY	240	WOODBRANCH	SAN JACINTO	MONTGOMERY	08080700017010	0	74	107	138	177	225

Region H
Table 4A-8: WUG-Level Contracts

WWP	WWP ID	WUG	WUG Basin	WUG County	WUG ID	2010	2020	2030	2040	2050	2060
SAN JACINTO RIVER AUTHORITY	240	CUT AND SHOOT	SAN JACINTO	MONTGOMERY	08085400017010	0	86	134	130	212	309
SAN JACINTO RIVER AUTHORITY	240	MAGNOLIA	SAN JACINTO	MONTGOMERY	08090700017010	0	221	380	561	812	1,118
SAN JACINTO RIVER AUTHORITY	240	SPLENDORA	SAN JACINTO	MONTGOMERY	08096200017010	0	83	141	212	313	435
SAN JACINTO RIVER AUTHORITY	240	MANUFACTURING	TRINITY-SAN JACINTO	HARRIS	08100110110109	23,008	27,754	31,791	35,763	38,736	37,244
SAN JACINTO RIVER AUTHORITY	240	MANUFACTURING	SAN JACINTO	MONTGOMERY	08100117017010	0	988	1,384	1,756	2,129	2,504
SAN JACINTO RIVER AUTHORITY	240	STEAM ELECTRIC POWER	SAN JACINTO	MONTGOMERY	08100217017010	0	0	0	0	1,593	4,307
SAN JACINTO RIVER AUTHORITY	240	MINING	SAN JACINTO	MONTGOMERY	08100317017010	0	216	279	331	382	425
SAN JACINTO RIVER AUTHORITY	240	CONSUMERS WATER INC	SAN JACINTO	MONTGOMERY	08407200017010	0	89	143	204	291	395
SAN JACINTO RIVER AUTHORITY	240	CRYSTAL SPRNGS WATER COMPAN	SAN JACINTO	MONTGOMERY	08408100017010	0	257	439	663	982	1,371
SAN JACINTO RIVER AUTHORITY	240	EAST PLANTATION UD	SAN JACINTO	MONTGOMERY	08409800017010	0	203	344	354	613	923
SAN JACINTO RIVER AUTHORITY	240	H M W SUD	SAN JACINTO	MONTGOMERY	08414700017010	0	672	1,055	1,011	1,670	2,425
SAN JACINTO RIVER AUTHORITY	240	HARRIS COUNTY MUD #50	SAN JACINTO	HARRIS	08418500010110	0	0	0	0	28	72
SAN JACINTO RIVER AUTHORITY	240	MONTGOMERY COUNTY MUD #18	SAN JACINTO	MONTGOMERY	08426100017010	0	865	1,655	1,788	3,251	5,046
SAN JACINTO RIVER AUTHORITY	240	MONTGOMERY COUNTY MUD #19	SAN JACINTO	MONTGOMERY	08426200017010	0	167	211	165	220	260
SAN JACINTO RIVER AUTHORITY	240	MONTGOMERY COUNTY MUD #8	SAN JACINTO	MONTGOMERY	08426300017010	0	399	624	720	861	964
SAN JACINTO RIVER AUTHORITY	240	MONTGOMERY COUNTY MUD #9	SAN JACINTO	MONTGOMERY	08426400017010	0	395	650	790	951	1,075
SAN JACINTO RIVER AUTHORITY	240	MONTGOMERY COUNTY UD #2	SAN JACINTO	MONTGOMERY	08426500017010	0	203	259	298	337	369
SAN JACINTO RIVER AUTHORITY	240	MONTGOMERY COUNTY UD #3	SAN JACINTO	MONTGOMERY	08426600017010	0	184	264	233	358	493
SAN JACINTO RIVER AUTHORITY	240	MONTGOMERY COUNTY UD #4	SAN JACINTO	MONTGOMERY	08426700017010	0	353	452	351	467	554
SAN JACINTO RIVER AUTHORITY	240	MONTGOMERY COUNTY WCID #1	SAN JACINTO	MONTGOMERY	08426800017010	0	189	272	358	470	600
SAN JACINTO RIVER AUTHORITY	240	NEW CANEY MUD	SAN JACINTO	MONTGOMERY	08427200017010	0	546	944	1,396	2,058	2,854
SAN JACINTO RIVER AUTHORITY	240	POINT AQUARIUS MUD	SAN JACINTO	MONTGOMERY	08430500017010	0	331	613	966	1,472	2,091
SAN JACINTO RIVER AUTHORITY	240	PORTER WSC	SAN JACINTO	MONTGOMERY	08430700017010	0	777	1,260	1,826	2,047	2,239
SAN JACINTO RIVER AUTHORITY	240	RAYFORD ROAD MUD	SAN JACINTO	MONTGOMERY	08431200017010	0	826	1,050	831	1,110	1,316
SAN JACINTO RIVER AUTHORITY	240	RIVER PLANTATION MUD	SAN JACINTO	MONTGOMERY	08432200017010	0	0	0	76	272	398
SAN JACINTO RIVER AUTHORITY	240	SOUTHERN MONTGOMERY COUNTY	SAN JACINTO	MONTGOMERY	08433900017010	0	866	1,118	911	1,231	1,493
SAN JACINTO RIVER AUTHORITY	240	SOUTHWEST UTILITIES	SAN JACINTO	MONTGOMERY	08434300017010	0	102	166	237	336	457
SAN JACINTO RIVER AUTHORITY	240	SPRING CREEK UD	SAN JACINTO	MONTGOMERY	08434400017010	0	224	372	377	653	982
SAN JACINTO RIVER AUTHORITY	240	STANLEY LAKE MUD	SAN JACINTO	MONTGOMERY	08434700017010	0	329	423	329	439	521
SAN JACINTO RIVER AUTHORITY	240	THE WOODLANDS	SAN JACINTO	MONTGOMERY	08800100017010	0	13,616	14,985	10,275	13,658	16,196
SAN JACINTO RIVER AUTHORITY	240	MONTGOMERY	SAN JACINTO	MONTGOMERY	MONTGOMERY170	0	374	710	1,087	1,199	1,701
SAN JACINTO RIVER AUTHORITY	240	STAGECOACH	SAN JACINTO	MONTGOMERY	STAGECOACH170	0	39	68	107	165	249
WWP Total						**23,008**	**68,826**	**95,477**	**118,414**	**148,602**	**184,979**
SUGAR LAND	999906	SUGAR LAND	SAN JACINTO	FORT BEND	08058500007910	0	0	35	35	35	35
SUGAR LAND	999906	SUGAR LAND	SAN JACINTO-BRAZOS	FORT BEND	08058500007911	0	0	440	404	404	1,304
SUGAR LAND	999906	SUGAR LAND	BRAZOS	FORT BEND	08058500007912	0	155	3,496	3,267	3,508	3,719
SUGAR LAND	999906	COUNTY-OTHER	SAN JACINTO-BRAZOS	FORT BEND	08075707907911	0	29	60	536	814	814
SUGAR LAND	999906	COUNTY-OTHER	BRAZOS	FORT BEND	08075707907912	0	102	919	1,293	1,291	1,183
SUGAR LAND	999906	FORT BEND COUNTY MUD #106	BRAZOS	FORT BEND	08411700007912	0	235	523	521	521	521
SUGAR LAND	999906	FORT BEND COUNTY MUD #108	BRAZOS	FORT BEND	08411800007912	0	141	312	312	312	312
SUGAR LAND	999906	FORT BEND COUNTY MUD #111	BRAZOS	FORT BEND	08411900007912	0	250	524	519	468	446
SUGAR LAND	999906	FORT BEND COUNTY MUD #67	BRAZOS	FORT BEND	08412600007912	0	266	556	549	495	472
SUGAR LAND	999906	FORT BEND COUNTY MUD #68	BRAZOS	FORT BEND	08412700007912	0	194	398	404	364	347
SUGAR LAND	999906	FORT BEND COUNTY MUD #69	BRAZOS	FORT BEND	08412800007912	0	157	311	323	292	278
SUGAR LAND	999906	PLANTATION MUD	SAN JACINTO-BRAZOS	FORT BEND	08430300007911	0	133	294	288	286	286
WWP Total						**0**	**1,662**	**7,868**	**8,451**	**8,790**	**9,717**
THE DOW CHEMICAL CO.	237200	MANUFACTURING	SAN JACINTO-BRAZOS	BRAZORIA	08100102002011	0	9,017	9,017	9,017	9,017	9,017
THE DOW CHEMICAL CO.	237200	MANUFACTURING	BRAZOS	BRAZORIA	08100102002012	0	62,414	62,414	62,414	62,414	62,414
WWP Total						**0**	**71,431**	**71,431**	**71,431**	**71,431**	**71,431**
TRINITY RIVER AUTHORITY	187	IRRIGATION	NECHES-TRINITY	LIBERTY	08100414614607	0	0	0	0	0	0
TRINITY RIVER AUTHORITY	187	IRRIGATION	TRINITY-SAN JACINTO	LIBERTY	08100414614609	0	0	0	0	0	1,091
TRINITY RIVER AUTHORITY	187	MANUFACTURING	TRINITY-SAN JACINTO	CHAMBERS	08100103603609	8,264	9,230	10,252	11,284	12,240	13,445
TRINITY RIVER AUTHORITY	187	MINING	TRINITY	CHAMBERS	08100303603608	4,344	6,494	7,816	9,116	10,411	11,550
TRINITY RIVER AUTHORITY	187	MINING	TRINITY-SAN JACINTO	CHAMBERS	08100303603609	1,215	1,359	1,904	2,488	3,081	3,677
WWP Total						**13,823**	**17,083**	**19,972**	**22,888**	**25,732**	**29,763**
WHCRWA	999907	KATY	SAN JACINTO	FORT BEND	08031200007910	68	238	356	462	601	764
WHCRWA	999907	KATY	SAN JACINTO	HARRIS	08031200010110	756	2,462	3,347	3,989	4,619	5,276
WHCRWA	999907	KATY	SAN JACINTO	WALLER	08031200023710	65	258	409	566	751	968
WHCRWA	999907	HARRIS COUNTY MUD #132	SAN JACINTO	HARRIS	08415700010110	421	1,393	1,909	2,292	2,667	3,058
WHCRWA	999907	HARRIS COUNTY MUD #151	SAN JACINTO	HARRIS	08415900010110	306	811	932	925	925	925
WHCRWA	999907	HARRIS COUNTY MUD #152	SAN JACINTO	HARRIS	08416000010110	189	650	909	1,112	1,324	1,536
WHCRWA	999907	HARRIS COUNTY MUD #180	SAN JACINTO	HARRIS	08417000010110	148	475	640	758	874	998
WHCRWA	999907	HARRIS COUNTY MUD #46	SAN JACINTO	HARRIS	08418300010110	201	526	598	593	593	593
WHCRWA	999907	TRAIL OF THE LAKES MUD	SAN JACINTO	HARRIS	08435500010110	334	876	1,005	986	986	986
WHCRWA	999907	WHCRWA	SAN JACINTO	FORT BEND	08800200007910	0	0	1,445	2,010	2,490	2,983
WHCRWA	999907	WHCRWA	SAN JACINTO	HARRIS	08800200010110	0	24,167	35,508	40,356	41,271	42,001
WWP Total						**2,488**	**31,856**	**47,058**	**54,049**	**57,101**	**60,088**

Notes:
Table includes summation of all WMS supplies provided by a WWP to a WUG. In cases where a WUG is also a WWP, supply volumes for the WWP and WUG are still listed in the contracts table for consistency

Attachment I:

Revised Technical Memorandum 4B-47 (Dow Off-Channel Reservoir and Pump Station Expansion)

REGION H WATER MANAGEMENT STRATEGY ANALYSIS TECHNICAL MEMORANDUM

STRATEGY TITLE: Dow Off-Channel Reservoir and Pump Station Expansion

DATE: August 18, 2014

SUMMARY

STRATEGY DESCRIPTION: The Dow Chemical Company – Texas Operations plans to increase the total raw water pumping and storage capacity available for use at their industrial site in Freeport, Texas. Increasing the site's reservoir storage capacity and building a new river intake and pump station would give Dow more flexibility in managing their raw water resources and provide protection during drought conditions when pumping from the Brazos River is limited or curtailed. This project does not require a new water right appropriation because it is intended to firm up existing water rights held by Dow and the Brazosport Water Authority to meet manufacturing and municipal shortages in Brazoria County. The proposed reservoir would provide an additional firm yield supply quantity of 80,000 acre-feet/year.

SUPPLY QUANTITY: 80,000 acre-feet/year

SUPPLY SOURCE: Brazos River

IMPLEMENTATION DECADE: 2020

TOTAL STRATEGY COST: $226,837,000 (Costs rounded to nearest $100)

ANNUAL UNIT WATER COST: $256 per acre-foot

Water Management Strategy Analysis Description

Introduction:

Dow pumps raw water supply from the Brazos River to meet the manufacturing demands of its industrial site, manufacturing demands of fence line partners, and municipal demands of the Brazosport Water Authority and its customers. Water is diverted by Dow under Dow's water rights and on behalf of Brazosport Water Authority under the authority's water rights. The current supply available from the water rights held by Dow and the Brazosport Water Authority is 153,967 acre-feet per year, including 137,763 for manufacturing use (includes approximately 288 acre-feet per year provided to industry by BWA) and 16,204 acre-feet per year for municipal use. This was determined using the Brazos Basin WAM developed for use by the Brazos G and Region H Water Planning Groups during development of the 2011 Plans. During the drought in the summer of 2009, extremely low flows caused Dow to cease pumping from the Brazos River into their raw water storage reservoirs. The proposed project would increase the amount of off-channel reservoir storage capacity by 56,760 acre-feet and would provide a 4- to 8-month supply for Dow during the driest months of the critical drought, allowing Dow to meet more of its current raw water demand and the demands of the municipal customers of the Brazosport Water Authority. A new raw water intake and pump station, with a pumping capacity of 200,000 gpm, will make efficient use of the additional storage capacity, and allow Dow to provide an additional 80,000 acre-feet per year of firm supply when used in conjunction with Dow's and the Brazosport Water Authority's existing water rights and Dow's Two-Tier BRA contract.

Analysis:

The reservoir expansion would consist of an earthen embankment built to an elevation of 79 feet, MSL, with a conservation storage pool level of 73 feet, MSL. The reservoir expansion would have an average

water depth of 33 feet with an average embankment height of approximately 39 feet. An exploratory geotechnical analysis indicates that sufficient on-site materials exist to construct the compacted clay embankment. The embankment would include a vertical chimney drain and horizontal sand blanket drain. The materials for both drains would need to be imported from off-site. An outlet works system would discharge into Oyster Creek for transport to Dow's pumping facility in Lake Jackson.

A new intake and pump station on the Brazos River having a capacity of 200,000 gpm would be constructed, consisting of a headwall and intake screens leading to four 50,000 gpm vertical end-suction pumps with 1500 HP motors, which will discharge into a sedimentation basin adjacent to the reservoir expansion. Water pumped into the sediment basin will be allowed to flow into both the existing Harris Reservoir storage and the storage expansion.

Water User Group Application:

The supply developed by the project would be used to more effectively meet projected manufacturing and municipal supply shortages in Brazoria County during drought conditions. Historical use from the Dow reservoir system has been 80% for Dow's benefit and 20% for non-Dow benefit, which includes municipal and other industrial users. The seven member cities of the Brazosport Water Authority will be beneficiaries of the additional supply developed by the project.

Environmental Impact:

The project would impact approximately 2,000 acres of land, which is currently used for agricultural production and grazing.

Although a number of federal and state endangered and threatened species are listed for Brazoria County, the existing disturbed condition of the proposed site suggests that impacts to listed species essentially have already occurred and any additional impacts will be moderate to low.

Large changes in nearby property values are not anticipated due to the rural nature of the existing area. Recreational use of the reservoir will be closely managed by Dow and is anticipated to include fishing and bird watching.

Issues and Considerations:

The development of a project of this nature will require the study and consideration of many issues. These will include, but not necessarily limited to: TCEQ water rights permitting for additional off-channel storage capacity (application has been submitted to the TCEQ for the additional storage capacity), U.S. Army Corps of Engineers Section 404 permitting, environmental assessments of the intake and pump station and reservoir sites, Sand, Gravel and Marl permit from the Texas Parks and Wildlife Department, compliance with TCEQ dam safety regulations including reviews and construction approvals, revisions to FEMA floodplain mapping for the Oyster Creek and Brazos River floodplains, utility relocations, new electrical power supply to the pump station site, road relocations, sediment removal (permitting and facility design), Storm Water Pollution Prevention Plans for construction operations, and site security.

Table 1
Off-Channel Reservoir Expansion Cost Summary

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
PROJECT COST SUMMARY					
1	CONSTRUCTION (CAPITAL) COST	1	LS	$ 155,810,000	$ 155,810,000
2	ENGINEERING, FINANCIAL & LEGAL SERVICES, AND CONTINGENCIES	1	LS	$ 54,534,000	$ 54,534,000
3	LAND & EASEMENTS & SURVEYING	1	LS	$ 100,000	$ 100,000
4	ENVIRONMENTAL - STUDIES & MITIGATION	1	LS	$ 2,000,000	$ 2,000,000
5	INTEREST DURING CONSTRUCTION	1	LS	$ 14,393,000	$ 14,393,000
	PROJECT COST				**$ 226,837,000**

ITEM	DESCRIPTION	ANNUAL TOTAL					
ANNUAL COST SUMMARY		**2010**	**2020**	**2030**	**2040**	**2050**	**2060**
1	DEBT SERVICE (Off-Channel Reservoi	$ -	$ 10,577,000	$ 10,577,000	$ 10,577,000	$ 10,577,000	$ 10,577,000
2	DEBT SERVICE (Intake and Pump Statio	$ -	$ 5,901,000	$ 5,901,000	$ 5,901,000	$ -	$ -
3	OPERATION & MAINTENANCE (O&M)	$ -	$ 2,397,000	$ 2,397,000	$ 2,397,000	$ 2,397,000	$ 2,397,000
4	PUMPING ENERGY COSTS	$ -	$ 1,431,000	$ 1,431,000	$ 1,431,000	$ 1,431,000	$ 1,431,000
5	PURCHASE OF WATER	$ -	$ -	$ -	$ -	$ -	$ -
	TOTAL ANNUAL COST	**$ -**	**$ 20,306,000**	**$ 20,306,000**	**$ 20,306,000**	**$ 14,405,000**	**$ 14,405,000**

ALL FACILITIES

CONSTRUCTION COSTS

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
CONSTRUCTION COST SUMMARY					
1	PUMP STATIONS	1	LS	$ 31,310,000	$ 31,310,000
2a	PIPELINES	0	LS	$ -	$ -
2b	PIPELINE CROSSINGS	0	LS	$ -	$ -
3	WATER TREATMENT PLANTS	0	LS	$ -	$ -
4	WATER STORAGE TANKS	0	LS	$ -	$ -
5	OFF-CHANNEL RESERVOIRS	1	LS	$ 107,600,000	$ 107,600,000
6	WELL FIELDS	0	LS	$ -	$ -
7	DAMS & RESERVOIRS	0	LS	$ -	$ -
8	RELOCATIONS	0	LS	$ -	$ -
9	WATER DISTRIBUTION SYSTEM IMPROVEMENTS	0	LS	$ -	$ -
10	STILLING BASINS	0	LS	$ -	$ -
11	WASTEWATER RECLAMATION PLANTS	0	LS	$ -	$ -
12	OTHER ITEMS	1	LS	$ 16,900,000.000	$ 16,900,000
	PROJECT COST				**$ 155,810,000**

Table 1 (cont'd)
Off-Channel Reservoir Expansion Cost Summary

ALL FACILITIES

OPERATIONS & MAINTENANCE (O&M) COSTS

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
OPERATION & MAINTENANCE (O&M) COST SUMMARY					
1	PUMP STATIONS	2.5%	%	$ 31,310,000	$ 783,000
2a	PIPELINES	1.0%	%	$ -	$ -
2b	PIPELINE CROSSINGS	1.0%	%	$ -	$ -
3	WATER TREATMENT PLANTS	1	LS	$ -	$ -
4	WATER STORAGE TANKS	1.0%	%	$ -	$ -
5	OFF-CHANNEL RESERVOIRS	1.5%	%	$ 107,600,000	$ 1,614,000
6	WELL FIELDS	1.0%	%	$ -	$ -
7	DAMS & RESERVOIRS	2.5%	%	$ -	$ -
8	RELOCATIONS	1.0%	%	$ -	$ -
9	WATER DISTRIBUTION SYSTEM IMPROVEMENTS	1.0%	%	$ -	$ -
10	STILLING BASINS	1.0%	%	$ -	$ -
11	WASTEWATER RECLAMATION PLANTS (see previous	1	LS	$ -	$ -
12	OTHER ITEMS	1.0%	%	$ 16,900,000	$ 169,000
	ANNUAL OPERATION & MAINTENANCE COST				**$ 2,566,000**

Attachment J:

Amended Table 4C-1: WWP-Level Project Costs

Region H
Table 4C-1: WWP-Level Project Cost

	Source Identifiers									Project Volume (ac-ft/yr)							Capital Costs ($)					
WMS	Source Name	Source RWPG	Source Basin	Source County	Source ID	Source Basin ID	ID + Basin	Sponsor / Purchaser WWP	WWP ID	2010	2020	2030	2040	2050	2060	Peak Value	2010	2020	2030	2040	2050	2060
Contractual Strategies																						
BRA to Brazosport Water Authority Contract - Allens Creek	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	12900	12	1290012	BRAZOSPORT WATER AUTHORITY	2000	0	116	124	1,557	3,183	5,435	5,435	$0	$0	$0	$0	$0	$0
BRA to GCWA Contract - Allens Creek	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	12900	12	1290012	GULF COAST WATER AUTHORITY	325	0	12,165	27,627	31,782	37,777	42,624	42,624	$0	$0	$0	$0	$0	$0
BRA to GCWA Contract - Brazos Main Stem System	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	G	BRAZOS	RESERVOIR	120E0	12	120E012	GULF COAST WATER AUTHORITY	325	0	4,324	4,324	4,324	4,324	4,324	4,324	$0	$0	$0	$0	$0	$0
BRA to GCWA Contract - Fort Bend OCR	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR	12	FBCOCR12	GULF COAST WATER AUTHORITY	325	0	0	0	0	0	4,517	4,517	$0	$0	$0	$0	$0	$0
BRA to GCWA Contract - SysOps Supply	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B0	12	120B012	GULF COAST WATER AUTHORITY	325	0	1,290	8,057	14,099	14,099	14,099	14,099	$0	$0	$0	$0	$0	$0
BRA to NRG Contract - Fort Bend OCR	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR	12	FBCOCR12	NRG	398300	0	0	0	0	0	8,500	8,500	$0	$0	$0	$0	$0	$0
BRA to Richmond-Rosenberg Contract - Allens Creek	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	12900	12	1290012	RICHMOND-ROSENBERG	999905	0	0	0	1,091	2,970	1,848	2,970	$0	$0	$0	$0	$0	$0
BRA to Richmond-Rosenberg Contract - Fort Bend OCR	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR	12	FBCOCR12	RICHMOND-ROSENBERG	999905	0	0	0	0	90	3,797	3,797	$0	$0	$0	$0	$0	$0
BRA to Sugar Land -Allens Creek	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	12900	12	1290012	SUGAR LAND	999906	0	0	0	231	490	449	490	$0	$0	$0	$0	$0	$0
BRA to Sugar Land -Fort Bend OCR	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR	12	FBCOCR12	SUGAR LAND	999906	0	0	0	0	0	922	922	$0	$0	$0	$0	$0	$0
BRA to Sugar Land - SysOps Supply	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B0	12	120B012	SUGAR LAND	999906	0	1,027	2,947	3,385	3,385	3,385	3,385	$0	$0	$0	$0	$0	$0
COH to Baytown Area Water Authority - Lake Livingston	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	BAYTOWN AREA WATER AUTHORITY	15	0	26	262	398	535	692	692	$0	$0	$0	$0	$0	$0
COH to BRA Contract - Allens Creek	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	12900	12	1290012	BRAZOS RIVER AUTHORITY	331	0	27,498	25,201	57,886	69,755	69,755	69,755	$0	$0	$0	$0	$0	$0
COH to CHCRWA Contract - Lake Houston	HOUSTON LAKE/RESERVOIR	H	SAN JACINTO	RESERVOIR	10030	10	1003010	CHCRWA	999902	0	977	862	720	631	546	977	$0	$0	$0	$0	$0	$0
COH to CHCRWA Contract - Lake Livingston	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	CHCRWA	999902	0	794	1,552	1,711	1,800	1,885	1,885	$0	$0	$0	$0	$0	$0
COH to City of Pasadena Contract - Lake Livingston	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	CITY OF PASADENA	651900	1,865	2,278	2,665	3,153	3,579	4,068	4,068	$0	$0	$0	$0	$0	$0
COH to NFBWA Contract - Lake Livingston	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	NFBWA	999901	0	444	17,971	31,161	41,172	50,442	50,442	$0	$0	$0	$0	$0	$0
COH to NHCRWA Contract - Houston Indirect Reuse	HOUSTON INDIRECT REUSE	H	SAN JACINTO	HARRIS	3510101	10	351010110	NHCRWA	999904	0	0	0	18,130	31,629	0	31,629	$0	$0	$0	$0	$0	$0
COH to NHCRWA Contract - Lake Houston	HOUSTON LAKE/RESERVOIR	H	SAN JACINTO	RESERVOIR	10030	10	1003010	NHCRWA	999904	0	30,880	30,880	32,734	29,030	25,398	32,734	$0	$0	$0	$0	$0	$0
COH to NHCRWA Contract - Lake Livingston	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	NHCRWA	999904	0	25,573	52,161	32,177	17,382	57,643	57,643	$0	$0	$0	$0	$0	$0
COH to North Channel Water Authority Contract - Lake Livingston	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	NORTH CHANNEL WATER AUTHORITY	607473	1,954	2,392	2,869	3,511	4,157	4,912	4,912	$0	$0	$0	$0	$0	$0
COH to SJRA Contract - Lake Conroe	CONROE LAKE/RESERVOIR	H	SAN JACINTO	RESERVOIR	10060	10	1006010	SAN JACINTO RIVER AUTHORITY	240	0	36,377	55,538	54,582	53,581	52,534	55,538	$0	$0	$0	$0	$0	$0
COH to WHCRWA Contract - Lake Livingston	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	WHCRWA	999907	1,241	31,837	46,324	52,759	55,549	58,402	58,402	$0	$0	$0	$0	$0	$0
GCWA to City of Galveston Contract - Brazos Main Stem System	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	G	BRAZOS	RESERVOIR	120E0	12	120E012	CITY OF GALVESTON	316200	0	1,225	1,225	1,225	1,225	1,225	1,225	$0	$0	$0	$0	$0	$0
GCWA to City of Galveston Contract - Brazos Run-of-River	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B12	12	3461205322B12	CITY OF GALVESTON	316200	0	5,360	5,360	5,360	5,360	5,360	5,360	$0	$0	$0	$0	$0	$0
GCWA to City of Galveston Contract - San Jacinto-Brazos Run-of-River	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	H	SAN JACINTO-BRAZOS	BRAZORIA	3461105357A	11	3461105357A11	CITY OF GALVESTON	316200	0	677	677	677	677	677	677	$0	$0	$0	$0	$0	$0
GCWA to Fort Bend County WCID #2 Contract - SysOps Supply	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B0	12	120B012	FORT BEND COUNTY WCID #2	821000	0	491	1,092	1,092	1,092	1,092	1,092	$0	$0	$0	$0	$0	$0
GCWA to Galveston County WCID #1 Contract - Allens Creek	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	12900	12	1290012	GALVESTON COUNTY WCID #1	316325	0	131	274	305	340	379	379	$0	$0	$0	$0	$0	$0
GCWA to Galveston County WCID #1 Contract - Brazos Main Stem System	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	G	BRAZOS	RESERVOIR	120E0	12	120E012	GALVESTON COUNTY WCID #1	316325	0	107	107	107	107	107	107	$0	$0	$0	$0	$0	$0
GCWA to Galveston County WCID #1 Contract - Brazos Run-of-River	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B	12	3461205322B12	GALVESTON COUNTY WCID #1	316325	0	469	469	469	469	469	469	$0	$0	$0	$0	$0	$0
GCWA to Galveston County WCID #1 Contract - San Jacinto-Brazos Run-of-River	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	H	SAN JACINTO-BRAZOS	BRAZORIA	3461105357A	11	3461105357A11	GALVESTON COUNTY WCID #1	316325	0	59	59	59	59	59	59	$0	$0	$0	$0	$0	$0
GCWA to Missouri City Contract - Allens Creek	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	12900	12	1290012	MISSOURI CITY	999903	0	0	68	321	571	594	594	$0	$0	$0	$0	$0	$0
GCWA to Missouri City Contract - Fort Bend OCR	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR	12	FBCOCR12	MISSOURI CITY	999903	0	0	0	0	0	4,501	4,501	$0	$0	$0	$0	$0	$0
GCWA to Missouri City Contract - SysOps Supply	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B0	12	120B012	MISSOURI CITY	999903	0	713	6,262	10,340	10,340	10,340	10,340	$0	$0	$0	$0	$0	$0
SJRA to COH Contract - Lake Houston	HOUSTON LAKE/RESERVOIR	H	SAN JACINTO	RESERVOIR	10030	10	1003010	SAN JACINTO RIVER AUTHORITY	240	0	0	1,356	5,300	3,872	2,428	5,300	$0	$0	$0	$0	$0	$0
TRA to Houston Transfer	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	CITY OF HOUSTON	396200	0	0	116,738	123,524	123,524	123,524	123,524	$0	$0	$0	$0	$0	$0
TRA to SJRA Transfer	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	SAN JACINTO RIVER AUTHORITY	240	0	0	0	7,935	39,096	76,476	76,476	$0	$0	$0	$0	$302,781,597	$0
Groundwater Reduction Plans																						
CHCRWA GRP	Multiple	H	Multiple	Multiple	Multiple	Multiple	Multiple	CHCRWA	999902	2,375	4,146	4,789	4,806	4,806	4,806	4,806	$0	$0	$0	$0	$0	$0
COH GRP	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	CITY OF HOUSTON	396200	3,762	11,417	16,809	19,870	22,399	24,990	24,990	$0	$0	$0	$0	$0	$0
Fort Bend WCID #2 GRP	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B0	12	120B012	FORT BEND COUNTY WCID #2	821000	0	2,296	5,753	5,753	5,753	5,753	5,753	$0	$10,631,491	$7,098,683	$7,098,683	$0	$0
NFBWA GRP	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	NFBWA	999901	35,009	61,021	70,363	84,943	96,103	106,402	106,402	$0	$0	$0	$0	$0	$0
NHCRWA GRP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NHCRWA	999904	34,714	91,167	117,755	99,625	81,126	117,755	117,755	$0	$0	$0	$0	$0	$0
Missouri City GRP	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	MISSOURI CITY	999903	0	5,182	9,431	13,149	13,149	17,562	17,562	$0	$51,260,490	$40,810,500	$0	$0	$0
Richmond Rosenberg GRP (WFB SWTP)	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	G	BRAZOS	RESERVOIR	120E0	12	120E012	RICHMOND-ROSENBERG	999905	7,500	7,500	7,500	7,500	7,500	7,500	7,500	$0	$43,205,325	$29,963,475	$29,897,900	$0	$14,153,450
SJRA WRAP	Multiple	H	Multiple	Multiple	Multiple	Multiple	Multiple	SAN JACINTO RIVER AUTHORITY	240	0	36,377	55,538	62,517	92,677	129,010	129,010	$0	$380,000,000	$180,000,000	$200,000,000	$140,000,000	$0
Sugar Land GRP	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	SUGAR LAND	999906	0	1,587	7,987	8,656	8,915	9,796	9,796	$0	$82,825,000	$78,535,049	$0	$0	$0
WHCRWA GRP	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	WHCRWA	999907	21,678	52,274	66,761	73,196	75,985	78,839	78,839	$0	$0	$0	$0	$0	$0
Reservoir Strategies																						
Allens Creek Reservoir	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	12900	12	1290012	BRAZOS RIVER AUTHORITY / CITY OF HOUSTON	331 / 396200	0	57,393	55,096	87,781	99,650	99,650	99,650	$0	$222,752,400	$0	$0	$0	$0
Brazoria Off-Channel Reservoir	BRAZORIA OCR	H	BRAZOS	RESERVOIR	BRAOCR	12	BRAOCR12	BRAZOS RIVER AUTHORITY	331	0	0	0	0	0	24,000	24,000	$0	$0	$0	$0	$0	$173,898,602
Dow Off-Channel Reservoir and Pump Station Expansion	DOW OCR AND PS EXPANSION	H	BRAZOS	RESERVOIR	DOWOCR	12	DOWOCR12	THE DOW CHEMICAL CO.	237200	0	80,000	80,000	80,000	80,000	80,000	80,000	$0	$226,837,000	$0	$0	$0	$0
Fort Bend Off-Channel Reservoir	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR	12	FBCOCR12	BRAZOS RIVER AUTHORITY	331	0	0	0	0	90	45,943	45,943	$0	$0	$0	$0	$202,514,788	$0
GCWA Off-Channel Reservoir	GCWA OFFCHANNEL RESERVOIR	H	SAN JACINTO-BRAZOS	RESERVOIR	GCWAOC	11	GCWAOC11	GULF COAST WATER AUTHORITY	325	0	0	39,500	39,500	39,500	39,500	39,500	$0	$0	$197,448,012	$0	$0	$0
Reuse Strategies																						
Wastewater Reuse for Industry	WASTEWATER REUSE FOR INDUSTRY	H	SAN JACINTO	HARRIS	3610101	10	361010110	CITY OF HOUSTON	396200	0	0	0	0	0	67,200	67,200	$0	$0	$0	$0	$0	$332,051,761
Permit / Other Strategies																						
BRA System Operations Permit	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B0	12	120B012	BRAZOS RIVER AUTHORITY	331	0	6,621	18,870	25,350	25,350	25,350	25,350	$0	$0	$0	$0	$0	$0
Freeport Desalination	GULF OF MEXICO SEA WATER	H	GULF	RESERVOIR	4124999	24	412499924	BRAZOS RIVER AUTHORITY	331	0	0	0	0	33,600	33,600	33,600	$0	$0	$0	$0	$255,699,000	$0
Houston Bayous Permit	SAN JACINTO RUN-OF-RIVER HOUSTON BAYOUS	H	SAN JACINTO	HARRIS	34UNPERMITTED	10	34UNPERMITTED10	CITY OF HOUSTON	396200	0	0	0	0	0	0	0	$0	$20,956,000	$0	$0	$0	$0
Infrastructure Strategies																						
BWA Brackish Groundwater	GULF COAST AQUIFER	H	BRAZOS	BRAZORIA	2015	12	201512	BRAZOSPORT WATER AUTHORITY	2000	0	3,136	3,136	3,136	3,136	3,136	3,136	$0	$30,570,395	$0	$0	$0	$0
BWA Plant Expansion	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	BRAZORIA	3461205366	12	346120536612	BRAZOSPORT WATER AUTHORITY	2000	0	8,400	8,400	8,400	8,400	8,400	8,400	$0	$14,359,419	$0	$0	$0	$0
Brazos Saltwater Barrier	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	G	BRAZOS	RESERVOIR	120E0	12	120E012	BRAZOS RIVER AUTHORITY	331	0	0	0	0	0	0	0	$0	$44,470,739	$0	$0	$0	$0
CHCRWA Transmission	N/A	N/A	N/A	N/A	N/A	N/A	N/A	CHCRWA	999902	2,375	4,146	4,789	4,806	4,806	4,806	4,806	$0	$0	$0	$0	$0	$0
CHCRWA Internal Distribution	N/A	N/A	N/A	N/A	N/A	N/A	N/A	CHCRWA	999902	2,375	4,146	4,789	4,806	4,806	4,806	4,806	$0	$0	$0	$0	$0	$0
CLCND West Chambers County System	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	CHAMBERS	3460804279B	08	3460804279B08	CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	150	0	1,691	1,978	2,235	2,511	2,804	2,804	$0	$20,380,000	$0	$0	$0	$0
COH Treatment Expansion	N/A	N/A	N/A	N/A	N/A	N/A	N/A	CITY OF HOUSTON	396200	16,000	280,000	128,000	64,000	48,000	48,000	280,000	$66,895,529	$975,979,521	$446,248,855	$223,261,769	$166,643,243	$166,643,243
COH Distribution Expansion	N/A	N/A	N/A	N/A	N/A	N/A	N/A	CITY OF HOUSTON	396200	TBD	TBD	TBD	TBD	TBD	TBD	TBD	$0	$229,390,000	$31,650,000	$0	$0	$0
Huntsville WTP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	CITY OF HUNTSVILLE	410000	11,200	11,200	11,200	11,200	11,200	11,200	11,200	$61,023,906	$0	$0	$0	$0	$0
Luce Bayou	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	CITY OF HOUSTON	396200	0	128,259	206,276	207,629	205,171	270,742	270,742	$0	$253,916,914	$0	$0	$0	$0
NFBWA 2025 Shared Transmission (w/ WHCRWA)	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	NFBWA	999901	0	21,878	39,405	52,595	62,606	71,876	71,876	$0	$14,000,000	$142,000,000	$57,000,000	$0	$0
NFBWA Internal Distribution	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	NFBWA	999901	35,009	61,021	70,363	84,943	96,103	106,402	106,402	$74,000,000	$15,000,000	$106,000,000	$10,000,000	$10,000,000	$10,000,000
NHCRWA Internal 2010 Distribution	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NHCRWA	999904	34,714	34,714	34,714	34,714	34,714	34,714	34,714	$153,149,640	$0	$0	$0	$0	$0
NHCRWA Internal 2020 Distribution	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NHCRWA	999904	0	91,167	91,167	91,167	91,167	91,167	91,167	$0	$345,292,192	$0	$0	$0	$0
NHCRWA Internal 2030 Distribution	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NHCRWA	999904	0	0	117,755	117,755	117,755	117,755	117,755	$0	$0	$37,439,584	$0	$0	$0
NHCRWA Transmission 2010	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NHCRWA	999904	34,714	34,714	34,714	34,714	34,714	34,714	34,714	$80,690,624	$0	$0	$0	$0	$0
NHCRWA Transmission 2020	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NHCRWA	999904	0	91,167	91,167	91,167	91,167	91,167	91,167	$0	$172,558,512	$0	$0	$0	$0
NHCRWA Transmission 2030	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NHCRWA	999904	0	0	117,755	117,755	117,755	117,755	117,755	$0	$0	$0	$0	$0	$0
WHCRWA Internal Distribution	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	WHCRWA	999907	21,678	52,274	66,761	73,196	75,985	78,839	78,839	$135,309,000	$340,470,000	$76,693,000	$0	$0	$0
WHCRWA 2020 Shared Transmission (w/ NFBWA)	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	WHCRWA	999907	21,678	52,274	66,761	73,196	75,985	78,839	78,839	$45,110,193	$244,974,000	$0	$0	$0	$0
Alternative Strategies																						

Region H
Table 4C-1: WWP-Level Project Cost

WMS	Total Capital Cost	Total Annual Costs ($/year) 2010	2020	2030	2040	2050	2060	Source	Notes
Contractual Strategies									
BRA to Brazosport Water Authority Contract - Allens Creek	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
BRA to GCWA Contract - Allens Creek	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
BRA to GCWA Contract - Brazos Main Stem System	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
BRA to GCWA Contract - Fort Bend OCR	$0	$0	$0	$0	$0	$0	$0		
BRA to GCWA Contract - SysOps Supply	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
BRA to NRG Contract - Fort Bend OCR	$0	$0	$0	$0	$0	$0	$0		
BRA to Richmond-Rosenberg Contract - Allens Creek	$0	$0	$0	$0	$0	$0	$0		
BRA to Richmond-Rosenberg Contract - Fort Bend OCR	$0	$0	$0	$0	$0	$0	$0		
BRA to Sugar Land -Allens Creek	$0	$0	$0	$0	$0	$0	$0		
BRA to Sugar Land -Fort Bend OCR	$0	$0	$0	$0	$0	$0	$0		
BRA to Sugar Land - SysOps Supply	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
COH to Baytown Area Water Authority - Lake Livingston	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
COH to BRA Contract - Allens Creek	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
COH to CHCRWA Contract - Lake Houston	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
COH to CHCRWA Contract - Lake Livingston	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
COH to City of Pasadena Contract - Lake Livingston	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
COH to NFBWA Contract - Lake Livingston	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
COH to NHCRWA Contract - Houston Indirect Reuse	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
COH to NHCRWA Contract - Lake Houston	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
COH to NHCRWA Contract - Lake Livingston	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
COH to North Channel Water Authority Contract - Lake Livingston	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
COH to SJRA Contract - Lake Conroe	$0	$0	$0	$0	$0	$0	$0		
COH to WHCRWA Contract - Lake Livingston	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
GCWA to City of Galveston Contract - Brazos Main Stem System	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
GCWA to City of Galveston Contract - Brazos Run-of-River	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
GCWA to City of Galveston Contract - San Jacinto-Brazos Run-of-River	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
GCWA to Fort Bend County WCID #2 Contract - SysOps Supply	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
GCWA to Galveston County WCID #1 Contract - Allens Creek	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
GCWA to Galveston County WCID #1 Contract - Brazos Main Stem System	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
GCWA to Galveston County WCID #1 Contract - Brazos Run-of-River	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
GCWA to Galveston County WCID #1 Contract - San Jacinto-Brazos Run-of-River	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
GCWA to Missouri City Contract - Allens Creek	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
GCWA to Missouri City Contract - Fort Bend OCR	$0	$0	$0	$0	$0	$0	$0		
GCWA to Missouri City Contract - SysOps Supply	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
SJRA to COH Contract - Lake Houston	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
TRA to Houston Transfer	$0	$0	$0	$0	$0	$0	$0	Region H RWP Tech Memo	Strategy cost associated with Luce Bayou
TRA to SJRA Transfer	$302,781,597	$0	$0	$0	$37,101,862	$37,101,862	$10,703,983	Region H RWP Tech Memo	Cost associated with development of conveyance infrastructure.
Groundwater Reduction Plans									
CHCRWA GRP	$0	$0	$0	$0	$0	$0	$0	No data available	No data available
COH GRP	$0	$0	$0	$0	$0	$0	$0	Region H RWP Tech Memo - Treatment	No cost as volume and treatment / distribution is associated with other strategies.
Fort Bend WCID #2 GRP	$24,828,857	$0	$1,310,164	$2,312,320	$2,387,576	$1,768,681	$1,149,785	FBC WCID 2 GRP	Annual O&M includes electic cost
NFBWA GRP	$0	$0	$0	$0	$0	$0	$0	NFBWA GRP	No cost as volume and treatment / distribution is associated with other strategies.
NHCRWA GRP	$0	$0	$0	$0	$0	$0	$0	NHCRWA GRP	No cost as volume and treatment / distribution is associated with other strategies.
Missouri City GRP	$92,070,990	$0	$5,750,635	$10,328,943	$5,859,820	$2,301,775	$2,301,775	Missouri City GRP	Annual O&M cost assumed as 2.5% of project capital cost. No annual energy cost assumed due to limited information.
Richmond Rosenberg GRP (WFB SWTP)	$117,220,150	$0	$6,652,597	$13,441,309	$16,083,787	$13,471,435	$17,440,442	West FBC Regional SWTP PER	
SJRA WRAP	$900,000,000	$0	$42,630,132	$62,823,352	$52,130,132	$52,142,749	$34,705,838	SJRA WRAP Part 2	Annual costs beyond debt service estimated from SJRA WRAP Part II. O&M costs include electricity.
Sugar Land GRP	$161,360,049	$0	$17,561,104	$17,561,104	$3,493,000	$3,493,000	$3,493,000	Sugar Land CIP, Sugar Land GRP	Assuming O&M constant after 2014. No annual energy cost assumed due to limited information.
WHCRWA GRP	$0	$0	$0	$0	$0	$0	$0	WHCRWA Summary	No cost as volume and treatment / distribution is associated with other strategies.
Reservoir Strategies									
Allens Creek Reservoir	$222,752,400	$0	$18,706,144	$18,706,144	$18,706,144	$18,706,144	$3,901,678	Region H RWP Tech Memo	
Brazoria Off-Channel Reservoir	$173,898,602	$0	$0	$0	$0	$0	$28,951,707		
Dow Off-Channel Reservoir and Pump Station Expansion	$226,837,000	$0	$20,306,000	$20,306,000	$20,306,000	$14,405,000	$14,405,000	Dow and HDR, Inc.	
Fort Bend Off-Channel Reservoir	$202,514,788	$0	$0	$0	$0	$43,566,686	$43,566,686		
GCWA Off-Channel Reservoir	$197,448,012	$0	$0	$32,678,970	$32,678,970	$32,678,970	$32,678,970	Region H 2011 RWP	
Reuse Strategies									
Wastewater Reuse for Industry	$332,051,761	$0	$0	$0	$0	$0	$60,010,614	Region H RWP Tech Memo	
Permit / Other Strategies									
BRA System Operations Permit	$0	$0	$0	$0	$0	$0	$0	HDR, Inc.	
Freeport Desalination	$255,699,000	$0	$0	$0	$28,685,479	$28,685,479	$6,392,475	Region H 2011 RWP	Assuming O&M as 2.5 percent of capital cost. No annual energy cost assumed due to limited information.
Houston Bayous Permit	$20,956,000	$0	$1,827,040	$1,827,040	$0	$0	$0	Region H RWP Tech Memo	
Infrastructure Strategies									
BWA Brackish Groundwater	$30,570,395	$0	$5,735,790	$5,735,790	$3,177,681	$3,177,681	$3,177,681	CDM Smith	Based on anticipated operation.
BWA Plant Expansion	$14,359,419	$0	$3,274,279	$3,274,279	$2,072,693	$2,072,693	$2,072,693	SDM Smith	Based on peak capacity.
Brazos Saltwater Barrier	$44,470,739	$0	$4,988,930	$4,988,930	$1,111,768	$1,111,768	$1,111,768	Region H RWP Tech Memo	Annual O&M cost assumed as 2.5% of project capital cost. No annual energy cost assumed due to limited information.
CHCRWA Transmission	$0	$0	$0	$0	$0	$0	$0	No data available	No data available
CHCRWA Internal Distribution	$0	$0	$0	$0	$0	$0	$0	No data available	No data available
CLCND West Chambers County System	$20,380,000	$0	$1,980,621	$1,980,621	$203,800	$203,800	$203,800	CLCND Funding App	Annual O&M cost assumed as 1.0% of project capital cost. No annual energy cost assumed due to limited information.
COH Treatment Expansion	$2,045,672,161	$7,670,034	$121,707,226	$168,015,257	$109,009,300	$89,583,305	$89,598,340	Estimated using Reg H procedures	Energy costs not assumed due to limited data.
COH Distribution Expansion	$261,040,000	$0	$22,293,166	$25,369,057	$5,369,791	$2,610,400	$2,610,400	No data available	Not enough data available to estimate costs at this time.
Huntsville WTP	$61,023,906	$10,120,710	$10,120,710	$4,800,368	$4,800,368	$4,800,368	$4,800,368	Standard Region H assumptions	Annual O&M cost assumed as 2.5% of project capital cost. Assumes 10 MGD plant and pump station capacity.
Luce Bayou	$253,916,914	$0	$31,798,394	$31,798,394	$9,660,760	$9,660,760	$9,660,760	Luce Bayou Alternatives Analysis	O&M and electric scaled using CCI
NFBWA 2025 Shared Transmission (w/ WHCRWA)	$213,000,000	$0	$1,220,584	$13,600,791	$17,349,727	$4,969,520	$0	NFBWA Table from BGE	O&M costs not included as they include part of COH infrastructure O&M. No annual energy cost assumed due to limited information.
NFBWA Internal Distribution	$225,000,000	$6,451,657	$7,759,425	$10,549,331	$10,113,409	$1,743,692	$1,743,692	NFBWA Table from BGE	O&M costs not included as they include part of COH infrastructure O&M. No annual energy cost assumed due to limited information.
NHCRWA Internal 2010 Distribution	$153,149,640	$14,883,780	$14,883,780	$1,531,496	$1,531,496	$1,531,496	$1,531,496		
NHCRWA Internal 2020 Distribution	$345,292,192	$0	$33,557,069	$33,557,069	$3,452,922	$3,452,922	$3,452,922		
NHCRWA Internal 2030 Distribution	$37,439,584	$0	$0	$3,638,549	$3,638,549	$374,396	$374,396		
NHCRWA Transmission 2010	$80,690,624	$7,841,883	$7,841,883	$806,906	$806,906	$806,906	$806,906		
NHCRWA Transmission 2020	$172,558,512	$0	$16,770,023	$16,770,023	$1,725,585	$1,725,585	$1,725,585		
NHCRWA Transmission 2030	$0	$0	$0	$0	$0	$0	$0		
WHCRWA Internal Distribution	$552,472,000	$13,149,945	$46,238,371	$41,894,891	$12,211,165	$5,524,720	$5,524,720	WHCRWA Summary	Annual O&M cost assumed as 1.0% of project capital cost. No annual energy cost assumed due to limited information.
WHCRWA 2020 Shared Transmission (w/ NFBWA)	$290,084,193	$4,384,014	$28,191,704	$24,258,792	$2,900,842	$2,900,842	$2,900,842	WHCRWA Summary	Annual O&M cost assumed as 1.0% of project capital cost. No annual energy cost assumed due to limited information.
Alternative Strategies									

Attachment K:

Amended Table 4C-2: WUG-Level Project Costs

Region H

Table 4C-2: WUG-Level Project Costs

WUG Name	wug_basin	WUG County	WUG-County-Basin Identifier	Pump Stations: Booster Pump Stations	Pump Stations: Raw Water Pump Stations	Connection Costs: Pipeline Connections	Treatment Plants: Surface Water Treatment Plants	Treatment Plants: Groundwater Treatment Plants	Treatment Plants: Direct Reuse Plants	Wells: Municipal Supply Wells	Wells: Agricultural Wells	Other Capital Costs: Land and Easements	Other Capital Costs: Mitigation	Other Capital Costs: Capital Costs for Irrigation Conservation	Other Capital Costs: Engineering, Contingencies, Financial and Legal Services	Other Capital Costs: Interest During Construction	Other Capital Costs: Project-Specific Capital Costs	Total Capital Cost	Debt Service: 2010	Debt Service: 2020	Debt Service: 2030	Debt Service: 2040	Debt Service: 2050	Debt Service: 2060	Operations and Maintenance: 2010	Operations and Maintenance: 2020	Operations and Maintenance: 2030	Operations and Maintenance: 2040	Operations and Maintenance: 2050	Operations and Maintenance: 2060	Energy: 2010	Energy: 2020	Energy: 2030	Energy: 2040	Energy: 2050	Energy: 2060
ALVIN	SAN JACINTO-BRAZOS	BRAZORIA	08001300000211	$0	$206,250	$0	$4,257,163	$0	$0	$0	$0	$0	$0	$0	$1,562,196	$492,112	$0	$6,517,726	$0	$0	$94,629	$198,807	$271,295	$369,438	$0	$0	$39,893	$81,816	$154,333	$239,758	$0	$0	$3,241	$6,810	$12,539	$19,480
AMES	TRINITY	LIBERTY	08067600014608	$0	$0	$0	$0	$87,198	$0	$95,160	$0	$0	$0	$0	$63,825	$20,106	$0	$266,290	$0	$4,520	$8,629	$7,807	$8,629	$10,889	$0	$2,211	$4,220	$6,029	$8,440	$11,354	$0	$0	$1,621	$3,094	$4,420	$6,188	$8,324
ANAHUAC	NECHES-TRINITY	CHAMBERS	08015500003607	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
ANAHUAC	TRINITY	CHAMBERS	08015500003608	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
ANGLETON	SAN JACINTO-BRAZOS	BRAZORIA	08001800000211	$2,047,029	$0	$0	$700,637	$0	$0	$119,582	$0	$145,409	$145,409	$0	$1,041,887	$351,959	$0	$4,661,482	$58,835	$343,985	$291,599	$8,710	$21,039	$53,714	$6,741	$58,757	$61,421	$61,797	$65,316	$72,450	$6,728	$44,936	$47,049	$47,023	$51,272	$57,458
ARCOLA	SAN JACINTO-BRAZOS	FORT BEND	08059800007911	$0	$0	$0	$0	$36,180	$0	$334,326	$0	$0	$0	$0	$224,177	$70,619	$52,987	$935,300	$0	$21,772	$52,987	$38,815	$17,874	$20,959	$0	$10,666	$25,904	$29,622	$34,045	$39,870	$0	$7,808	$19,006	$21,731	$25,414	$29,245
BACLIFF MUD	SAN JACINTO-BRAZOS	GALVESTON	08401200008411	$539,433	$0	$0	$184,708	$0	$0	$0	$0	$48,485	$48,485	$0	$253,449	$87,759	$0	$1,162,319	$0	$101,336	$101,336	$0	$0	$0	$0	$15,333	$15,333	$15,333	$15,333	$0	$0	$15,470	$15,470	$15,470	$15,470	$15,470
BAILEY'S PRAIRIE	SAN JACINTO-BRAZOS	BRAZORIA	08081700000211	$0	$0	$0	$0	$11,575	$0	$12,632	$0	$0	$0	$0	$8,473	$2,669	$0	$35,349	$0	$616	$1,027	$822	$1,027	$1,644	$0	$301	$502	$703	$1,005	$1,507	$0	$221	$368	$516	$737	$1,105
BAILEY'S PRAIRIE	BRAZOS	BRAZORIA	08081700000212	$0	$0	$0	$0	$772	$0	$842	$0	$0	$0	$0	$565	$178	$0	$2,357	$0	$0	$0	$0	$205	$205	$0	$0	$0	$0	$100	$100	$0	$0	$0	$0	$74	$74	$74
BAKER	SAN JACINTO-BRAZOS	GALVESTON	08075900008411	$0	$0	$0	$0	$5,400	$0	$3,369	$0	$0	$0	$0	$3,954	$1,246	$0	$15,496	$0	$411	$411	$411	$411	$822	$0	$301	$402	$402	$402	$402	$0	$221	$295	$295	$295	$295	$516
BAISETTA	TRINITY	LIBERTY	08014900014608	$0	$0	$0	$0	$8,489	$0	$9,263	$0	$0	$0	$0	$6,213	$1,957	$0	$25,922	$0	$411	$616	$411	$822	$1,438	$0	$201	$301	$402	$703	$1,105	$0	$147	$221	$295	$516	$810	
DAINBURY	SAN JACINTO-BRAZOS	BRAZORIA	08069300000211	$0	$0	$0	$0	$30,095	$0	$32,843	$0	$0	$0	$0	$22,028	$6,939	$0	$91,906	$0	$0	$1,438	$2,876	$3,698	$5,136	$0	$0	$703	$1,407	$2,512	$3,919	$0	$0	$516	$1,033	$1,842	$2,979	
DAYTON	TRINITY	LIBERTY	08015200014608	$0	$0	$0	$1,620,484	$0	$0	$1,782,687	$0	$0	$0	$0	$1,191,405	$375,319	$0	$4,970,872	$0	$86,769	$167,036	$156,261	$164,184	$190,354	$0	$42,284	$81,410	$118,483	$163,453	$221,108	$0	$31,234	$60,111	$87,440	$119,196	$156,022	
DEER PARK	SAN JACINTO-BRAZOS	HARRIS	08015400000110	$0	$0	$0	$0	$1,543	$0	$1,684	$0	$0	$0	$0	$1,130	$356	$0	$4,713	$0	$0	$411	$411	$0	$0	$0	$0	$201	$201	$201	$201	$0	$0	$147	$147	$147	$147	
DEER PARK	SAN JACINTO-BRAZOS	HARRIS	08015400000111	$0	$0	$0	$0	$1,543	$0	$1,684	$0	$0	$0	$0	$1,130	$356	$0	$4,713	$0	$0	$411	$205	$0	$0	$0	$0	$201	$201	$201	$201	$0	$0	$147	$147	$147	$147	
DICKINSON	SAN JACINTO-BRAZOS	GALVESTON	08016500008411	$868,743	$0	$0	$297,541	$0	$0	$373,201	$0	$0	$0	$0	$682,950	$223,058	$0	$2,954,263	$99,940	$220,826	$142,049	$25,762	$9,792	$10,978	$48,644	$67,231	$70,749	$71,513	$72,376	$73,338	$36,022	$21,240	$26,003	$26,765	$27,624	$28,582	
EAST PLANTATION UD	SAN JACINTO-BRAZOS	MONTGOMERY	08439801701	$1,151,873	$0	$0	$0	$0	$0	$156,569	$0	$0	$0	$0	$98,545	$16,843	$0	$1,423,830	$41,697	$131,951	$115,403	$5,547	$6,985	$9,046	$0	$11,106	$2,412	$3,818	$5,828	$8,236	$0	$810	$1,768	$2,799	$4,273	$6,041	
EL DORADO UD	SAN JACINTO	HARRIS	08410100010110	$0	$0	$0	$0	$0	$0	$405,540	$0	$42,959	$0	$0	$0	$0	$0	$448,499	$0	$2,239,025	$26,699	$66,730	$56,054	$23,625	$10,025	$17,669	$13,053	$32,616	$40,451	$44,169	$48,288	$52,810	$9,576	$23,941	$29,687	$32,413	$35,433	$38,748
ELLIS	SAN JACINTO-BRAZOS	AUSTIN	08069500008411	$266,961	$0	$0	$0	$91,737	$0	$0	$0	$0	$0	$0	$125,544	$47,464	$0	$626,630	$48,753	$68,953	$95,194	$1,562	$2,227	$2,227	$6,087	$6,526	$6,955	$7,221	$7,320	$7,556	$6,690	$6,630	$8,349	$7,218	$7,315	$7,587	
FAIRCHILDS	BRAZOS	FORT BEND	08101900007912	$0	$296,695	$0	$6,123,080	$0	$0	$0	$0	$0	$0	$0	$2,246,921	$707,809	$0	$9,374,506	$0	$119,450	$337,921	$341,738	$289,431	$356,124	$0	$50,370	$142,646	$194,628	$264,742	$344,930	$0	$4,093	$11,590	$15,813	$21,510	$28,025	
FIRST COLONY MUD #9	BRAZOS	FORT BEND	08411300007912	$755,396	$0	$0	$259,385	$0	$0	$328,430	$0	$0	$0	$0	$574,960	$189,039	$0	$2,503,712	$0	$70,085	$148,375	$117,396	$58,794	$30,804	$0	$34,196	$48,876	$55,378	$58,650	$60,498	$0	$25,193	$38,625	$28,410	$25,415	$25,193	
FLO COMMUNITY WSC	TRINITY	LEON	08141400014508	$0	$0	$0	$0	$0	$0	$123,421	$0	$0	$0	$0	$0	$0	$0	$123,421	$0	$0	$0	$0	$0	$0	$0	$13,746	$16,075	$16,889	$16,071	$16,071	$16,071	$7,882	$11,786	$11,450	$10,387	$10,975	
FORT BEND COUNTY MUD #106	BRAZOS	FORT BEND	08411700007912	$418,853	$0	$0	$144,027	$0	$0	$214,234	$0	$0	$0	$0	$353,929	$119,412	$0	$1,581,536	$0	$48,511	$102,492	$76,027	$31,388	$13,347	$0	$11,848	$33,927	$37,592	$39,145	$39,811	$0	$9,699	$26,495	$19,030	$15,927	$14,611	
FORT BEND COUNTY MUD #8	BRAZOS	FORT BEND	08411900007912	$269,804	$0	$0	$0	$92,748	$0	$0	$0	$0	$0	$0	$126,899	$47,892	$0	$537,343	$0	$16,760	$47,892	$35,290	$0	$0	$0	$4,499	$17,673	$17,673	$17,673	$17,673	$0	$3,462	$7,661	$7,661	$7,661	$7,661	
FORT BEND COUNTY MUD #111	BRAZOS	FORT BEND	08411900007912	$360,200	$0	$0	$123,767	$0	$0	$82,558	$0	$0	$0	$0	$303,816	$102,548	$0	$973,889	$0	$49,791	$92,741	$42,950	$0	$0	$0	$11,001	$20,993	$20,993	$20,993	$20,993	$0	$9,282	$18,121	$17,753	$13,996	$12,375	
FORT BEND COUNTY MUD #130	BRAZOS	FORT BEND	08411900007911	$870,619	$0	$0	$299,178	$0	$0	$998,764	$0	$0	$0	$0	$705,109	$230,038	$0	$3,103,708	$0	$44,538	$96,038	$96,446	$95,013	$102,382	$0	$21,761	$46,916	$68,877	$93,333	$118,988	$0	$15,985	$34,475	$50,608	$68,582	$87,787	
FORT BEND COUNTY MUD #24	SAN JACINTO-BRAZOS	FORT BEND	08412200007911	$0	$1,352,305	$0	$26,842,762	$0	$531,514	$0	$0	$0	$0	$0	$10,054,303	$3,167,235	$0	$41,948,119	$0	$67,668	$1,003,947	$1,630,310	$1,614,355	$1,959,256	$0	$252,429	$665,392	$965,166	$1,270,481	$1,833,898	$0	$14,463	$48,022	$72,380	$105,317	$142,935	
FORT BEND COUNTY MUD #7	BRAZOS	FORT BEND	08411900007912	$380,845	$0	$0	$130,844	$0	$0	$88,728	$0	$96,840	$0	$0	$244,022	$84,795	$0	$1,025,229	$0	$52,437	$84,795	$45,476	$0	$0	$0	$11,727	$20,963	$22,383	$22,383	$22,383	$0	$9,520	$18,285	$14,807	$11,328	$11,112	
FORT BEND COUNTY MUD #68	BRAZOS	FORT BEND	08412700007912	$280,143	$0	$0	$99,296	$0	$0	$61,730	$0	$67,370	$0	$0	$176,938	$63,657	$0	$749,084	$0	$40,727	$72,273	$32,779	$1,233	$0	$0	$8,566	$15,402	$16,004	$16,004	$16,004	$0	$7,219	$13,407	$13,849	$10,903	$9,650	
FORT BEND COUNTY MUD #69	BRAZOS	FORT BEND	08412800007912	$224,960	$0	$0	$77,349	$0	$48,614	$0	$53,054	$0	$0	$0	$141,392	$50,460	$0	$594,797	$0	$34,688	$58,110	$25,887	$2,465	$0	$0	$6,699	$11,522	$12,727	$12,727	$12,727	$0	$5,820	$10,141	$11,025	$8,741	$7,710	
FORT BEND COUNTY MUD #71	BRAZOS	FORT BEND	08412900007912	$0	$663,755	$0	$0	$13,633,526	$0	$0	$0	$0	$0	$0	$5,004,048	$1,576,340	$0	$20,877,668	$0	$748,518	$1,576,340	$1,576,340	$0	$0	$0	$101,946	$295,798	$419,866	$594,669	$772,846	$0	$8,283	$24,031	$34,115	$47,942	$62,795	
FOUNTAINVIEW SUBDIVISION	SAN JACINTO	HARRIS	08413200010110	$402,585	$0	$0	$138,457	$0	$0	$0	$0	$0	$0	$0	$189,365	$67,568	$0	$884,899	$21,440	$46,141	$35,965	$18,087	$13,053	$13,793	$2,044	$6,150	$8,023	$9,157	$10,192	$11,449	$2,038	$6,139	$8,005	$9,134	$10,166	$11,418	
FREEPORT	BRAZOS	BRAZORIA	08021700000211	$3,538,425	$0	$0	$1,349,125	$449,004	$0	$490,113	$0	$145,458	$145,458	$0	$2,179,334	$710,277	$0	$9,407,188	$0	$593,257	$710,277	$253,868	$0	$0	$0	$59,327	$92,461	$117,866	$143,139	$170,418	$0	$6,526	$14,730	$14,842	$15,455	$16,184	
FREEPORT	BRAZORIA	BRAZORIA	08021700000212	$0	$0	$0	$0	$37,812	$0	$41,264	$0	$0	$0	$0	$27,677	$8,719	$0	$115,472	$0	$0	$1,849	$4,725	$4,725	$3,698	$3,490	$0	$904	$2,313	$3,215	$4,120	$4,924	$0	$663	$1,694	$2,357	$3,020	$3,610	
FRENDSWOOD	SAN JACINTO-BRAZOS	GALVESTON	08021900008411	$0	$0	$0	$0	$30,866	$0	$33,687	$0	$0	$0	$0	$22,603	$7,117	$0	$94,272	$0	$0	$5,753	$8,218	$2,465	$0	$0	$0	$2,818	$4,019	$4,019	$4,019	$0	$0	$2,063	$2,947	$2,799	$2,747	$2,747	
FRENDSWOOD	BRAZOS	HARRIS	08021900010111	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
FULSHEAR	SAN JACINTO-BRAZOS	FORT BEND	08069900007911	$97,054	$33,391	$0	$0	$0	$0	$152,213	$0	$0	$0	$0	$99,980	$39,415	$0	$522,022	$0	$13,189	$19,760	$6,571	$15,819	$25,750	$0	$49,200	$73,714	$73,714	$74,824	$76,475	$0	$2,839	$4,223	$4,223	$5,328	$6,973	
FULSHEAR	BRAZOS	FORT BEND	08086900007912	$154,141	$0	$0	$53,017	$0	$0	$232,819	$0	$0	$0	$0	$153,992	$66,429	$0	$747,367	$0	$19,783	$29,641	$9,857	$20,409	$35,518	$0	$73,800	$110,572	$110,572	$112,244	$114,956	$0	$4,228	$6,335	$6,335	$8,201	$10,706	
GALENA PARK	SAN JACINTO-BRAZOS	HARRIS	08022600010110	$99,711	$0	$0	$34,313	$0	$1,543	$0	$1,684	$0	$0	$0	$48,038	$23,048	$0	$305,262	$12,405	$12,851	$2,044	$2,638	$5,639	$11,126	$543	$617	$1,015	$1,188	$1,952	$3,037	$540	$614	$957	$1,129	$1,890	$2,971	
GALVESTON COUNTY	SAN JACINTO-BRAZOS	GALVESTON	08022700008411	$5,397,706	$0	$0	$1,749,975	$0	$0	$0	$0	$0	$0	$0	$2,501,690	$795,984	$0	$10,542,328	$0	$152,438	$919,128	$0	$0	$0	$0	$152,442	$152,442	$152,442	$152,442	$152,442	$0	$0	$18,318	$18,318	$18,318	$18,318	
GALVESTON COUNTY MUD #1	SAN JACINTO-BRAZOS	GALVESTON	08413500008411	$0	$0	$0	$0	$6,173	$0	$6,737	$0	$0	$0	$0	$4,519	$1,423	$0	$18,853	$0	$0	$1,021	$1,644	$616	$0	$0	$0	$502	$804	$804	$804	$0	$398	$589	$589	$589	$589	
GALVESTON COUNTY MUD #12	SAN JACINTO-BRAZOS	GALVESTON	08413600008411	$0	$781,119	$0	$0	$13,903,936	$0	$3,087	$0	$0	$0	$0	$5,142,028	$1,619,805	$0	$21,453,343	$0	$1,870,194	$1,870,400	$205	$0	$0	$0	$921,672	$921,672	$921,672	$921,672	$921,672	$0	$75,097	$75,171	$75,171	$75,171	$75,171	
GREEN TRAILS MUD	SAN JACINTO	HARRIS	08414300010110	$0	$0	$0	$0	$0	$0	$925,183	$0	$1,013,922	$0	$0	$0	$0	$0	$1,939,105	$0	$2,831,586	$45,972	$136,799	$130,653	$62,625	$46,215	$47,447	$22,460	$66,706	$86,169	$97,316	$108,765	$120,514	$16,501	$49,208	$63,499	$71,676	$80,074	
GROVETON	TRINITY	TRINITY	08025500002808	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
H M W SUD	SAN JACINTO	MONTGOMERY	08414700010710	$2,969,451	$0	$1,009,509	$0	$515,669	$0	$565,910	$0	$0	$48,485	$48,485	$1,771,189	$569,867	$0	$7,494,564	$57,837	$137,698	$381,580	$305,727	$102,680	$209,986	$28,241	$67,180	$115,918	$116,583	$132,996	$151,511	$20,774	$49,503	$50,755	$51,418	$67,969	$86,728	
HARDIN	TRINITY	LIBERTY	08087800014608	$0	$0	$0	$0	$76,395	$0	$83,371	$0	$0	$0	$0	$55,918	$17,615	$0	$233,299	$0	$0	$3,736	$7,396	$0	$9,013	$0	$1,900	$3,417	$5,526	$7,536	$9,561	$0	$1,400	$2,652	$4,052	$5,525	$7,292	
HARDIN WSC	TRINITY	LIBERTY	08148001400608	$0	$0	$0	$0	$410,315	$0	$449,004	$0	$0	$0	$0	$300,415	$94,634	$0	$1,253,376	$0	$0	$20,952	$41,086	$40,261	$42,314	$48,062	$10,245	$20,089	$29,931	$40,778	$53,430	$0	$7,514	$14,733	$21,952	$29,908	$39,190	
HARRIS COUNTY FWSD #47	SAN JACINTO	HARRIS	08414900010110	$21,679	$0	$7,461	$0	$0	$0	$0	$0	$48,462	$48,462	$0	$10,196	$11,129	$0	$147,390	$12,850	$12,850	$0	$0	$0	$0	$617	$617	$617	$617	$617	$614	$344	$98	$74	$74	$74	
HARRIS COUNTY FWSD #48	SAN JACINTO	HARRIS	08415000010110	$312,559	$0	$107,252	$0	$0	$0	$0	$0	$48,462	$48,462	$0	$146,937	$54,203	$0	$717,885	$62,569	$62,569	$0	$0	$0	$0	$205	$411	$0	$0	$0	$0	$0	$8,933	$6,532	$6,139	$5,230	$5,181	
HARRIS COUNTY MUD #111	SAN JACINTO	HARRIS	08415100010110	$289,392	$0	$99,558	$0	$0	$0	$0	$0	$48,485	$48,485	$0	$141,216	$52,401	$0	$689,552	$0	$48,462	$48,462	$0	$694,016	$24,397	$31,654	$13,864	$34,319	$14,386	$14,534	$2,536	$4,074	$5,437	$6,719	$7,828	$9,135	$2,529	$3,928	$5,181	$6,458	
HARRIS COUNTY MUD #113	SAN JACINTO	HARRIS	08415300010110	$0	$0	$0	$0	$0	$0	$0	$0	$48,485	$48,485	$0	$68,088	$23,528	$0	$188,601	$0	$306,578	$96,576	$0	$1,279,090	$90,962	$62,212	$58,927	$27,528	$20,134	$21,777	$3,245	$30,447	$39,046	$43,868	$48,892	$54,518	$7,514	$22,320	$28,656	$32,152	$35,875	
HARRIS COUNTY MUD #119 (RWOOD NORTH	SAN JACINTO	HARRIS	08415400010110	$0	$0	$0	$0	$0	$0	$510,917	$0	$560,015	$0	$0	$374,826	$118,075	$0	$1,563,834	$43,309	$120,524	$93,033	$15,818	$0	$0	$0	$21,162	$58,818	$66,553	$66,553	$66,553	$15,543	$43,315	$48,987	$48,030	$47,440	$47,440	
HARRIS COUNTY MUD #132	SAN JACINTO	HARRIS	08415700010110	$0	$0	$0	$0	$2,314,478	$0	$2,537,227	$0	$0	$0	$0	$1,711,397	$539,112	$0	$7,140,214	$85,160	$281,814	$301,049	$183,831	$155,244	$185,690	$0	$135,890	$187,161	$225,409	$262,867	$305,031	$31,013	$102,615	$140,626	$168,840	$196,467	$225,268	
HARRIS COUNTY MUD #151	SAN JACINTO	HARRIS	08415900010110	$0	$0	$0	$0	$713,556	$0	$784,863	$0	$0	$0	$0	$524,447	$165,207	$0	$2,188,073	$62,740	$165,914	$128,026	$24,852	$0	$0	$0	$30,627	$80,828	$92,979	$92,979	$92,979	$22,541	$59,742	$68,659	$68,140	$68,140	$68,140	
HARRIS COUNTY MUD #152	SAN JACINTO	HARRIS	08416000010110	$0	$0	$0	$0	$1,179,997	$0	$1,293,509	$0	$0	$0	$0	$865,727	$272,715	$0	$3,611,947	$38,801	$133,074	$147,408	$94,805	$85,184	$87,026	$18,963	$64,872	$90,824	$111,186	$132,448	$153,710	$13,923	$47,882	$66,961	$81,915	$97,532	$113,149	
HARRIS COUNTY MUD #153	SAN JACINTO	HARRIS	08416100010110	$0	$0	$0	$0	$2,116,068	$0	$2,316,003	$0	$0	$0	$0	$1,561,304	$491,831	$0	$6,514,000	$69,494	$214,536	$257,072	$182,442	$156,632	$168,059	$29,534	$105,359	$154,105	$194,220	$236,305	$276,136	$21,731	$78,748	$114,844	$144,457	$173,297	$204,936	
HARRIS COUNTY MUD #154	SAN JACINTO	HARRIS	08416200010110	$0	$0	$0	$0	$876,020	$0	$960,868	$0	$0	$0	$0	$643,611	$202,746	$0	$2,685,244	$33,470	$109,056	$114,387	$67,347	$56,272	$57,708	$16,360	$53,226	$72,189	$86,145	$99,699	$114,356	$12,007	$39,190	$53,112	$63,352	$73,297	$84,052	
HARRIS COUNTY MUD #157	SAN JACINTO	HARRIS	08416500010110	$21,679	$0	$7,461	$0	$0	$0	$0	$0	$48,485	$48,485	$0	$10,199	$11,132	$0	$147,440	$12,854	$12,854	$0	$0	$0	$0	$617	$617	$617	$617	$617	$617	$617	$614	$691	$467	$442	
HARRIS COUNTY MUD #180	SAN JACINTO	HARRIS	08417000010110	$0	$0	$0	$0	$768,442	$0	$840,444	$0	$0	$0	$0	$563,110	$177,387	$0	$2,349,383	$30,393	$97,419	$100,906	$58,117	$48,062	$49,294	$14,858	$47,568	$64,128	$75,978	$87,627	$100,079	$10,902	$34,961	$47,146	$55,838	$64,383	$73,518	
HARRIS COUNTY MUD #185	SAN JACINTO	HARRIS	08417400010110	$0	$0	$0	$0	$1,310,427	$0	$1,433,621	$0	$0	$0	$0	$1,083,892	$339,623	$0	$4,530,063	$76,775	$232,345	$263,658	$132,119	$76,777	$63,658	$69,485	$19,363	$62,036	$83,000	$99,560	$117,512	$14,217	$45,760	$61,731	$73,207	$84,587	$96,575	
HARRIS COUNTY MUD #261	SAN JACINTO	HARRIS	08417900010110	$504,783	$0	$173,374	$0	$0	$0	$0	$0	$48,462	$48,462	$0	$237,355	$82,686	$0	$1,095,121	$29,860	$82,140	$65,024	$13,338	$694	$0	$3,444	$12,138	$14,255	$14,353	$14,353	$14,353	$3,438	$12,155	$14,266	$14,365	$14,217	$14,217	
HARRIS COUNTY MUD #262	SAN JACINTO	HARRIS	08418000010110	$898,592	$0	$308,309	$0	$0	$0	$0	$0	$48,462	$48,462	$0	$422,308	$147,911	$0	$1,807,076	$59,375	$141,022	$115,366	$23,666	$0	$0	$0	$6,109	$25,141	$25,374	$25,547	$25,547	$25,547	$8,373	$22,050	$25,488	$25,414	$25,414	
HARRIS COUNTY MUD #46	SAN JACINTO	HARRIS	08418300010110	$0	$0	$0	$0	$459,946	$0	$503,593	$0	$0	$0	$0	$337,239	$106,234	$0	$1,407,012	$41,260	$107,879	$81,410	$14,791	$0	$0	$0	$20,163	$52,675	$59,908	$59,908	$59,908	$14,807	$38,748	$44,052	$43,683	$43,683	$43,683	
HARRIS COUNTY MUD #5	SAN JACINTO	HARRIS	08418400010110	$401,771	$0	$138,066	$0	$0	$0	$0	$0	$48,462	$48,462	$0	$188,943	$67,435	$0	$893,139	$32,367	$69,880	$45,501	$8,008	$0	$0	$0	$3,861	$10,094	$11,425	$11,425	$11,425	$3,855	$10,092	$11,418	$11,271	$11,001	$11,001	
HARRIS COUNTY MUD #50	SAN JACINTO	HARRIS	08418500010110	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$6,131,600	$4,599,450	$1,576,340	$0	$12,307,390	$6,131,600	$6,131,600	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
HARRIS COUNTY MUD #53	SAN JACINTO	HARRIS	08418600010110	$2,110,101	$0	$0	$723,734	$0	$0	$134,226	$0	$146,530	$0	$0	$1,090,107	$351,314	$0	$4,652,936	$95,125	$162,678	$130,655	$125,008	$117,397	$117,979	$14,300	$31,498	$47,558	$57,851	$67,078	$77,468	$14,414	$29,221	$43,045	$53,383	$62,640	$73,076	
HARRIS COUNTY MUD #95	SAN JACINTO	HARRIS	08418700010111	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
HARRIS COUNTY MUD #8	SAN JACINTO	HARRIS	08418900010110	$311,044	$0	$107,006	$0	$17,749	$0	$19,369	$0	$48,462	$48,462	$0	$159,309	$58,100	$0	$769,500	$23,363	$32,354	$17,037	$16,201	$16,756	$18,533	$2,364	$4,654	$6,721	$8,077	$9,506	$11,157	$2,357	$4,322	$6,089	$7,440	$8,864	$10,509	
HARRIS COUNTY MUD #9	SAN JACINTO	HARRIS	08419000010110	$0	$0	$0	$0	$509,259	$0	$556,917	$0	$0	$0	$0	$373,067	$117,521	$0	$1,556,494	$29,367	$76,518	$75,518	$13,813	$20,134	$20,952	$14,356	$41,006	$51,750	$56,073	$61,096	$66,325	$10,534	$30,129	$37,643	$41,179	$44,868	$48,693	
HARRIS COUNTY UD #15	SAN JACINTO	HARRIS	08419100010110	$0	$0	$0	$0	$437,912	$0	$478,329	$0	$0	$0	$0	$320,684	$101,020	$0	$1,337,945	$21,362	$64,057	$61,388	$29,376	$21,777	$23,215	$10,445	$31,307	$40,448	$45,673	$51,098	$57,025	$7,661	$22,983	$29,687	$33,518	$37,496	$41,842	
COUNTY-OTHER	SAN JACINTO-BRAZOS	HARRIS	08419300010110	$598,243	$0	$205,629	$0	$0	$0	$0	$0	$48,485	$48,485	$0	$281,355	$96,550	$0	$1,279,746	$0	$13,003	$47,853	$54,980	$40,407	$43,504	$0	$641	$6,435	$9,761	$13,152	$17,012	$0	$6,433	$9,773	$13,137	$16,960		
COUNTY-OTHER	SAN JACINTO	HARRIS	08419500010110	$0	$0	$0	$0	$425,567	$0	$465,697	$0	$0	$0	$0	$311,942	$98,266	$0	$1,301,472	$37,161	$98,472	$76,307	$14,997	$0	$0	$0	$18,162	$48,094	$55,427	$55,427	$55,427	$13,333	$35,399	$40,737	$40,221	$40,516	$40,516	
COUNTY-OTHER	BRAZOS	LEON	08057514514512	$0	$0	$0	$0	$20,063	$0	$21,895	$0	$0	$0	$0	$14,686	$4,626	$0	$61,270	$0	$4,315	$5,342	$1,027	$0	$0	$0	$2,110	$2,612	$2,612	$2,612	$2,612

Region H
Table 4C-2: WUG-Level Project Costs

WUG Name	wug_basin	WUG County	Annual Costs for Municipal Conservation						Annual Costs for Irrigation Conservation						Project-Specific Annual Costs						Total Annual Cost					
			2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060
ALVIN	SAN JACINTO-BRAZOS	BRAZORIA	$0	$36,210	$46,434	$48,138	$50,481	$53,676	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$36,210	$184,197	$337,571	$488,648	$682,353
AMES	TRINITY	LIBERTY	$0	$1,818	$2,020	$2,222	$2,424	$2,828	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$10,170	$17,963	$20,478	$25,681	$33,395
ANAHUAC	NECHES-TRINITY	CHAMBERS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
ANAHUAC	TRINITY	CHAMBERS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
ANGLETON	SAN JACINTO-BRAZOS	BRAZORIA	$60,066	$60,066	$60,492	$60,918	$62,196	$64,752	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$132,370	$507,744	$460,561	$178,448	$199,823	$248,374
ARCOLA	SAN JACINTO-BRAZOS	FORT BEND	$4,444	$4,848	$5,252	$5,858	$6,262	$7,070	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$4,444	$45,075	$103,149	$96,026	$84,195	$97,140
BACLIFF MUD	SAN JACINTO-BRAZOS	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$132,139	$132,139	$30,803	$30,803	$30,803
BAILEY'S PRAIRIE	SAN JACINTO-BRAZOS	BRAZORIA	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,138	$1,897	$2,041	$2,769	$4,256
BAILEY'S PRAIRIE	BRAZOS	BRAZORIA	$0	$0	$0	$202	$202	$202	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$202	$581	$581
BAYOU VISTA	SAN JACINTO-BRAZOS	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,138	$1,519	$902	$697	$697
BAYTOWN	TRINITY-SAN JACINTO	CHAMBERS	$6,390	$14,058	$15,123	$15,975	$17,040	$18,318	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$6,390	$17,474	$20,437	$20,059	$22,894	$25,249
BAYTOWN	TRINITY-SAN JACINTO	HARRIS	$112,251	$224,502	$225,780	$226,845	$230,802	$238,643	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$112,251	$224,881	$226,437	$229,297	$232,112	$237,802
BAYTOWN	SAN JACINTO	HARRIS	$6,603	$13,419	$13,419	$13,419	$13,632	$14,058	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$6,603	$13,798	$13,798	$13,593	$14,185	$15,371
BEACH CITY	TRINITY-SAN JACINTO	CHAMBERS	$3,030	$4,040	$4,848	$5,656	$6,464	$7,272	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$70,550	$390,778	$439,507	$290,515	$319,446	$357,184
BEACH CITY	TRINITY	CHAMBERS	$0	$0	$0	$0	$0	$1,010	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$12,147	$68,398	$75,816	$48,257	$49,978	$49,416
BEASLEY	BRAZOS	FORT BEND	$0	$202	$202	$202	$202	$202	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$581	$961	$1,515	$2,069	$2,417
BEASLEY	BRAZOS-COLORADO	FORT BEND	$0	$1,010	$1,212	$1,414	$1,616	$1,818	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$5,185	$10,328	$13,578	$18,702	$25,138
BELLAIRE	SAN JACINTO	HARRIS	$50,481	$53,889	$57,510	$61,131	$64,965	$69,225	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$335,221	$396,985	$242,206	$261,371	$275,516	$296,890
BELLVILLE	BRAZOS	AUSTIN	$0	$27,368	$30,789	$32,655	$33,588	$35,143	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$135,354	$209,702	$189,553	$171,073	$182,893
BLUE BELL MANOR UTILITY COMPANY	SAN JACINTO	HARRIS	$6,464	$6,262	$6,262	$6,060	$6,060	$6,060	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$59,585	$143,936	$134,165	$87,754	$77,113	$77,113
BOLIVAR PENINSULAR SUD	NECHES-TRINITY	GALVESTON	$20,837	$22,392	$23,014	$23,325	$23,325	$23,636	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$20,837	$22,392	$23,014	$23,325	$23,325	$23,636
BRAZORIA	BRAZOS	BRAZORIA	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$78,994	$78,994	$13,685	$13,685	$13,685
BRAZORIA	BRAZOS-COLORADO	BRAZORIA	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
BRAZORIA COUNTY MUD #1	SAN JACINTO-BRAZOS	BRAZORIA	$0	$22,392	$29,545	$35,454	$41,965	$49,136	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$136,038	$275,677	$335,602	$398,764	$477,372
BRAZORIA COUNTY MUD #2	BRAZOS	BRAZORIA	$0	$29,545	$37,942	$45,711	$53,803	$62,511	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$173,316	$345,373	$421,723	$500,374	$595,740
BRAZORIA COUNTY MUD #3	SAN JACINTO-BRAZOS	BRAZORIA	$0	$16,172	$21,148	$25,502	$30,167	$35,143	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$98,458	$198,575	$241,433	$287,099	$343,778
BRAZORIA COUNTY MUD #4	SAN JACINTO-BRAZOS	BRAZORIA	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
BRAZORIA COUNTY MUD #5	SAN JACINTO-BRAZOS	BRAZORIA	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
BRITMOORE UTILITIES	SAN JACINTO	HARRIS	$5,252	$6,262	$7,070	$7,878	$8,686	$9,666	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$37,077	$85,113	$81,845	$63,153	$60,997	$65,155
BROOKSHIRE	BRAZOS	WALLER	$0	$15,550	$19,292	$23,329	$27,660	$33,869	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$62,634	$134,614	$189,796	$251,513	$328,094
BROOKSIDE VILLAGE	SAN JACINTO-BRAZOS	BRAZORIA	$0	$3,232	$3,636	$3,838	$4,242	$4,646	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$8,546	$18,441	$24,876	$30,774	$38,777
BUFFALO	TRINITY	LEON	$0	$4,242	$4,444	$4,444	$4,444	$4,444	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$17,907	$24,562	$16,872	$13,010	$13,231
BUNKER HILL VILLAGE	SAN JACINTO	HARRIS	$27,990	$27,079	$27,368	$27,057	$27,057	$27,057	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,90,734	$1,30,210	$50,335	$49,902	$49,730	$49,730
CANDLELIGHT HILLS SUBDIVISION	SAN JACINTO	HARRIS	$5,050	$5,858	$6,868	$7,676	$8,686	$9,494	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$35,890	$82,354	$80,026	$62,756	$60,804	$65,054
CENTERVILLE	TRINITY	LEON	$0	$2,222	$2,424	$2,222	$2,222	$2,222	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$7,536	$10,998	$7,096	$5,513	$5,584
CHIMNEY HILL MUD	SAN JACINTO	HARRIS	$0	$8,086	$11,507	$11,507	$11,196	$11,196	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$8,086	$27,962	$27,814	$29,400	$29,350
CLEAR BROOK CITY MUD WOODMEADOWS	SAN JACINTO	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$6,833	$14,424	$10,726	$6,613	$6,617
CLEAR LAKE SHORES	SAN JACINTO-BRAZOS	GALVESTON	$3,232	$3,232	$3,232	$3,232	$3,232	$3,232	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$34,734	$149,767	$135,501	$62,334	$50,421	$50,421
CLEVELAND	SAN JACINTO	LIBERTY	$0	$7,464	$15,861	$23,325	$27,057	$28,301	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$16,574	$35,220	$46,864	$63,268	$84,254
CLUTE	SAN JACINTO-BRAZOS	BRAZORIA	$14,484	$28,542	$34,090	$34,932	$36,636	$38,340	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$14,484	$247,226	$286,448	$128,805	$138,384	$173,239
COLDSPRING	TRINITY	SAN JACINTO	$0	$2,020	$2,222	$2,424	$2,424	$2,424	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$10,750	$18,165	$17,817	$16,191	$15,070
COLDSPRING	SAN JACINTO	SAN JACINTO	$0	$606	$606	$606	$606	$606	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,263	$5,161	$4,862	$4,213	$3,977
CONROE	SAN JACINTO	MONTGOMERY	$152,092	$197,025	$250,062	$310,341	$389,790	$484,149	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$820,400	$2,699,614	$3,106,325	$1,867,088	$2,450,425	$3,629,339
CONSOLIDATED WSC	TRINITY	WALKER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$378	$779	$100	$100	$100
CONSUMERS WATER INC	SAN JACINTO	HARRIS	$7,464	$9,641	$12,129	$14,306	$16,483	$18,971	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$35,548	$84,947	$93,050	$82,080	$85,583	$95,201
CONSUMERS WATER INC	SAN JACINTO	MONTGOMERY	$4,043	$4,354	$5,598	$6,842	$8,706	$10,885	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$18,467	$38,137	$52,071	$65,992	$89,784	$118,897
COUNTY-OTHER	BRAZOS	AUSTIN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
COUNTY-OTHER	BRAZOS-COLORADO	AUSTIN	$0	$3,434	$3,636	$3,838	$3,838	$3,838	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$13,303	$20,718	$18,614	$16,229	$18,003
COUNTY-OTHER	COLORADO	AUSTIN	$0	$404	$404	$404	$404	$404	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,542	$2,301	$1,685	$1,654	$2,034
COUNTY-OTHER	SAN JACINTO-BRAZOS	BRAZORIA	$225,836	$247,652	$274,316	$296,536	$323,200	$352,288	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,944,915	$4,129,083	$3,694,749	$2,695,071	$2,671,511	$2,978,202
COUNTY-OTHER	BRAZOS	BRAZORIA	$1,414	$1,616	$1,616	$1,616	$1,616	$1,818	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,414	$33,439	$35,223	$10,458	$11,419	$12,543
COUNTY-OTHER	BRAZOS-COLORADO	BRAZORIA	$47,470	$50,298	$53,328	$55,550	$58,580	$61,812	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$391,038	$467,098	$287,042	$296,540	$320,922	$368,739
COUNTY-OTHER	NECHES-TRINITY	CHAMBERS	$606	$606	$606	$606	$404	$404	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$606	$606	$606	$404	$404	$404
COUNTY-OTHER	TRINITY	CHAMBERS	$2,828	$2,626	$2,626	$2,424	$2,424	$2,424	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$76,029	$321,626	$281,776	$102,803	$102,629	$102,674
COUNTY-OTHER	TRINITY-SAN JACINTO	CHAMBERS	$1,818	$1,818	$1,616	$1,616	$1,616	$1,414	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$41,286	$174,170	$152,573	$66,001	$55,836	$55,794
COUNTY-OTHER	SAN JACINTO	FORT BEND	$1,212	$1,010	$1,212	$6,866	$21,412	$37,976	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,212	$33,025	$87,824	$675,038	$2,174,035	$3,508,684
COUNTY-OTHER	SAN JACINTO-BRAZOS	FORT BEND	$5,656	$5,252	$4,242	$46,056	$138,774	$241,592	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$5,656	$26,129	$59,276	$3,345,874	$10,628,075	$16,763,320
COUNTY-OTHER	BRAZOS	FORT BEND	$0	$12,322	$54,338	$108,272	$215,736	$343,602	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$116,153	$1,555,411	$6,118,738	$13,787,031	$20,859,741
COUNTY-OTHER	BRAZOS-COLORADO	FORT BEND	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$7,952	$11,929	$16,000	$16,900
COUNTY-OTHER	NECHES-TRINITY	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
COUNTY-OTHER	SAN JACINTO-BRAZOS	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,259,936	$3,259,936	$1,158,157	$1,158,157	$1,158,157
COUNTY-OTHER	TRINITY-SAN JACINTO	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$14,768	$14,130	$11,143	$11,143
COUNTY-OTHER	SAN JACINTO	HARRIS	$0	$0	$166,246	$381,780	$676,700	$988,184	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,645,489	$15,426,610	$34,322,713	$31,251,329
COUNTY-OTHER	SAN JACINTO-BRAZOS	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$49,113	$44,128	$36,096	$34,573	$28,476	$26,599
COUNTY-OTHER	TRINITY	LEON	$0	$4,040	$4,848	$3,030	$1,616	$2,222	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$11,632	$13,959	$7,399	$4,617	$5,444
COUNTY-OTHER	BRAZOS	LEON	$0	$4,242	$4,646	$3,434	$2,020	$2,626	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$12,214	$14,515	$8,325	$5,369	$6,196
COUNTY-OTHER	NECHES	LIBERTY	$0	$2,020	$2,222	$2,828	$3,232	$3,232	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$11,510	$20,822	$25,579	$31,100	$38,894
COUNTY-OTHER	NECHES-TRINITY	LIBERTY	$0	$202	$202	$202	$202	$202	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$581	$1,340	$1,894	$2,243	$2,561
COUNTY-OTHER	TRINITY	LIBERTY	$0	$34,946	$39,582	$42,420	$46,662	$51,914	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$94,131	$214,053	$309,305	$383,088	$489,673
COUNTY-OTHER	TRINITY-SAN JACINTO	LIBERTY	$0	$2,424	$2,828	$3,030	$3,434	$3,838	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$13,812	$25,604	$31,030	$37,798	$47,221
COUNTY-OTHER	SAN JACINTO	LIBERTY	$0	$16,766	$19,190	$21,412	$24,038	$27,270	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$96,402	$175,813	$214,945	$261,969	$328,743
COUNTY-OTHER	TRINITY	MADISON	$0	$10,504	$10,706	$10,908	$11,110	$11,514	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$33,658	$50,941	$35,886	$29,127	$52,367
COUNTY-OTHER	BRAZOS	MADISON	$0	$808	$1,212	$1,212	$1,414	$1,414	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$2,327	$3,869	$3,806	$4,531	$5,639
COUNTY-OTHER	SAN JACINTO	MONTGOMERY	$256,944	$304,616	$430,462	$561,558	$800,324	$1,054,642	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,561,917	$3,524,798	$5,907,591	$8,647,163	$11,337,224	$14,206,883
COUNTY-OTHER	TRINITY	POLK	$0	$18,382	$19,594	$20,200	$21,008	$22,220	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$45,331	$66,660	$71,660	$94,220	$121,593
COUNTY-OTHER	SAN JACINTO	SAN JACINTO	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$66,006	$101,680	$55,346	$29,334	$26,903
COUNTY-OTHER	SAN JACINTO	SAN JACINTO	$0	$10,908	$11,716	$12,322	$12,524	$12,726	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$51,135	$81,548	$75,185	$68,095	$65,978
COUNTY-OTHER	TRINITY	TRINITY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$12,147	$13,298	$5,680	$3,517	$3,517
COUNTY-OTHER	TRINITY	WALKER	$0	$202	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$581	$305	$100	$100	$100
COUNTY-OTHER	SAN JACINTO	WALKER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
COUNTY-OTHER	SAN JACINTO	WALLER	$0	$11,312	$13,736	$16,160	$19,392	$23,230	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$76,599	$160,133	$206,120	$276,811	$363,287
COUNTY-OTHER	BRAZOS	WALLER	$0	$4,646	$8,484	$8,888	$9,696	$10,706	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$4,646	$19,113	$33,561	$55,566	$79,338
CROSBY MUD	SAN JACINTO	HARRIS	$0	$0	$0	$0	$3,421	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$5,314	$10,249	$7,373	$4,702	$8,123
CRYSTAL SPRINGS WATER COMPANY	SAN JACINTO	HARRIS	$202	$404	$404	$404	$606	$606	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$10,331	$12,904	$4,406	$3,811	$3,962	$4,258
CRYSTAL SPRINGS WATER COMPANY	SAN JACINTO	MONTGOMERY	$11,106	$13,062	$17,416	$22,392	$29,545	$37,631	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$50,285	$110,579	$162,811	$224,121	$328,663	$446,417
CUT AND SHOOT	SAN JACINTO	MONTGOMERY	$2,424	$2,626	$3,232	$3,838	$4,848	$5,858	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$16,089	$35,270	$82,622	$73,945	$43,869	$63,475
DAISETTA	NECHES	LIBERTY	$0	$202	$404	$606	$808	$1,010	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$581	$1,163	$1,744	$1,714	$2,949
DAISETTA	TRINITY	LIBERTY	$0	$404	$606	$808	$1,010	$1,212	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,163	$1,744	$1,916	$3,051	$4,565
DANBURY	SAN JACINTO-BRAZOS	BRAZORIA	$0	$2,222	$2,626	$2,626	$3,030	$3,030	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$2,222	$5,263	$7,940	$10,880	$14,958
DAYTON	TRINITY	LIBERTY	$0	$40,119	$47,272	$54,114	$62,200	$71,530	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$200,406	$355,838	$416,298	$507,027	$629,074
DEER PARK	SAN JACINTO	HARRIS	$24,708	$43,878	$44,091	$44,304	$45,369	$46,641	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$24,708	$43,878	$44,850	$45,063	$45,737	$46,995
DEER PARK	SAN JACINTO-BRAZOS	HARRIS	$37,701	$67,308	$67,734	$68,160	$69,438	$71,355	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$37,701	$67,687	$68,493	$68,713	$69,788	$71,705
DICKINSON	SAN JACINTO-BRAZOS	GALVESTON	$41,748	$46,221	$48,351	$48,990	$49,416	$50,055	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$226,354	$355,518	$287,151	$173,030	$159,208	$162,953
EAST PLANTATION UD	SAN JACINTO	MONTGOMERY	$5,252	$6,262	$7,070	$10,706	$13,938	$17,776	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$36,375	$83,301	$103,355	$181,966	$134,351	$134,503
EL DORADO UD	SAN JACINTO	HARRIS	$2,799	$9,330	$9,952	$10,885	$11,507	$12,440	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$52,127	$132,617	$136,144	$111,092	$111,253	$121,667
EL LAGO	SAN JACINTO-BRAZOS	HARRIS	$6,060	$6,868	$5,858	$5,656	$5,656	$5,656	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$63,989	$68,135	$24,749	$23,659	$22,520	$23,061
FAIRCHILDS	BRAZOS	FORT BEND	$0	$5,858	$7,272	$8,888	$10,908	$13,332	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$179,771	$499,429	$561,067	$586,591	$742,411
FIRST COLONY MUD #9	BRAZOS	FORT BEND	$0	$26,435	$27,057	$27,980	$28,924	$29,856	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$155,909	$262,933	$229,173	$171,782	$146,350
FLO COMMUNITY WSC	TRINITY	LEON	$0	$9,641	$10,574	$10,574	$10,263	$10,574	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$50,247	$71,298	$49,026	$36,721	$37,621
FORT BEND COUNTY MUD #106	BRAZOS	FORT BEND	$0	$10,706	$10,706	$10,706	$10,706	$10,706	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$80,764	$173,620	$143,356	$97,175	$78,474
FORT BEND COUNTY MUD #108	BRAZOS	FORT BEND	$0	$6,464	$6,464	$6,464	$6,464	$6,464	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$43,407	$77,099	$47,087	$21,798	$21,798
FORT BEND COUNTY MUD #111	BRAZOS	FORT BEND	$0	$14,306	$14,306	$14,306	$14,306	$14,306	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$84,380	$146,161	$96,002	$49,295	$47,874
FORT BEND COUNTY MUD #23	SAN JACINTO-BRAZOS	FORT BEND	$15,123	$30,033	$30,033	$30,033	$30,033	$30,033	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$15,123	$205,297	$344,170	$288,093	$201,124	$159,006
FORT BEND COUNTY MUD #25	SAN JACINTO-BRAZOS	FORT BEND	$21,513	$30,033	$40,683	$51,333	$65,817	$82,431	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$21,513	$364,593	$1,758,049	$2,719,189	$3,155,970	$4,018,014
FORT BEND COUNTY MUD #67	BRAZOS	FORT BEND	$0	$15,239	$15,239	$14,928	$14,928	$14,928	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$89,368	$154,835	$101,572	$52,118	$50,424
FORT BEND COUNTY MUD #68	BRAZOS	FORT BEND	$0	$11,196	$11,196	$11,196	$11,196	$11,196	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$67,707	$112,277	$73,829	$39,338	$36,850
FORT BEND COUNTY MUD #69	BRAZOS	FORT BEND	$0	$5,454	$5,252	$5,252	$5,252	$5,252	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$52,860	$85,025	$54,892	$29,185	$25,689
FORT BEND COUNTY MUD #81	BRAZOS	FORT BEND	$8,686	$11,514	$15,150	$18,786	$23,634	$29,088	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$8,686	$362,986	$1,031,417	$1,221,285	$1,337,293	$1,695,172
FOUNTAINVIEW SUBDIVISION	HARRIS	HARRIS	$3,838	$4,444	$4,848	$5,454

Region H
Table 4C-2: WUG-Level Project Costs

WUG Name	wug_basin	WUG County	WUG-County-Basin Identifier	Pump Stations: Booster Pump Stations	Pump Stations: Raw Water Pump Stations	Connection Costs: Pipeline Connections	Treatment Plants: Surface Water Treatment Plants	Treatment Plants: Groundwater Treatment Plants	Treatment Plants: Direct Reuse Plants	Wells: Municipal Supply Wells	Wells: Agricultural Wells	Other Capital Costs: Land and Easements	Other Capital Costs: Mitigation	Other Capital Costs: Capital Costs for Irrigation Conservation	Other Capital Costs: Engineering, Contingencies, Financial and Legal Services	Other Capital Costs: Interest During Construction	Other Capital Costs: Project-Specific Capital Costs	Total Capital Cost	Debt Service 2010	Debt Service 2020	Debt Service 2030	Debt Service 2040	Debt Service 2050	Debt Service 2060	Operations and Maintenance 2010	Operations and Maintenance 2020	Operations and Maintenance 2030	Operations and Maintenance 2040	Operations and Maintenance 2050	Operations and Maintenance 2060	Energy 2010	Energy 2020	Energy 2030	Energy 2040	Energy 2050	Energy 2060
HUNTSVILLE	TRINITY	WALKER	0802920002308	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
HUNTSVILLE	SAN JACINTO	WALKER	0802920002310	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IOWA COLONY	SAN JACINTO-BRAZOS	BRAZORIA	0803850002011	$0	$0	$0	$0	$30,056	$0	$32,843	$0	$0	$0	$0	$22,028	$6,939	$0	$91,906	$0	$616	$2,260	$3,403	$3,698	$3,904	$0	$301	$1,105	$2,010	$2,914	$3,918	$0	$221	$810	$1,473	$2,136	$2,873
IRRIGATION	BRAZOS	AUSTIN	0810040080812	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	BRAZOS-COLORADO	AUSTIN	0810040080813	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO-BRAZOS	BRAZORIA	0810040200211	$0	$0	$0	$0	$0	$0	$2,330,309	$0	$0	$0	$183,981	$815,608	$131,090	$0	$3,460,989	$0	$0	$285,704	$285,704	$0	$0	$0	$32,770	$32,770	$32,770	$32,770	$0	$0	$77,725	$34,459	$31,299	$4,397
IRRIGATION	BRAZOS	BRAZORIA	0810040200212	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$6,140	$0	$0	$6,140	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	BRAZOS-COLORADO	BRAZORIA	0810040200213	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$8,134	$0	$0	$8,134	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	NECHES-TRINITY	CHAMBERS	0810040360607	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$197,489	$0	$0	$0	$197,489	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	TRINITY	CHAMBERS	0810040360608	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$77,654	$0	$0	$0	$77,654	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	TRINITY-SAN JACINTO	CHAMBERS	0810040360609	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$4,187	$0	$0	$0	$4,187	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO	FORT BEND	0810040790710	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO-BRAZOS	FORT BEND	0810040790711	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$37,427	$0	$0	$0	$37,427	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	BRAZOS	FORT BEND	0810040790712	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$19,116	$0	$0	$0	$19,116	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	BRAZOS-COLORADO	FORT BEND	0810040790713	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$5,168	$0	$0	$0	$5,168	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO-BRAZOS	GALVESTON	0810040840411	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$29,422	$0	$0	$0	$29,422	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	TRINITY-SAN JACINTO	HARRIS	0810041010109	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO	HARRIS	0810041010110	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	NECHES	LIBERTY	0810041461606	$0	$0	$0	$0	$0	$0	$38,294	$0	$0	$0	$7,548	$13,399	$2,154	$0	$61,395	$0	$722	$1,444	$1,394	$1,394	$2,588	$0	$93	$166	$242	$324	$536	$0	$196	$393	$573	$769	$1,277
IRRIGATION	NECHES-TRINITY	LIBERTY	0810041461607	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$18,876	$0	$0	$0	$18,876	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	TRINITY	LIBERTY	0810041461608	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$120,774	$0	$0	$0	$120,774	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	TRINITY-SAN JACINTO	LIBERTY	0810041461609	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$39,631	$0	$0	$0	$39,631	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO	LIBERTY	0810041461610	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,889	$0	$0	$0	$1,889	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	TRINITY	MADISON	0810041571708	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO	MONTGOMERY	0810041701010	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	TRINITY	TRINITY	0810042282808	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	TRINITY	WALKER	0810042852808	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO	WALKER	0810042852810	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO	WALLER	0810042372710	$0	$0	$0	$0	$0	$0	$232,638	$0	$0	$0	$0	$81,423	$13,087	$0	$327,148	$0	$28,522	$28,522	$0	$0	$0	$0	$3,271	$3,271	$3,271	$3,271	$0	$7,759	$0	$213	$0	$0	$0
IRRIGATION	BRAZOS	WALLER	0810042372712	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	TRINITY	LEON	0810043514508	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO	SAN JACINTO	0810042424608	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
JACINTO CITY	HARRIS	HARRIS	0803010001210	$93,569	$0	$32,189	$0	$16,977	$0	$340,974	$0	$18,527	$0	$48,485	$48,485	$0	$0	$599,657	$0	$1,849	$4,520	$2,671	$13,151	$25,156	$0	$904	$2,211	$2,211	$2,676	$4,872	$0	$663	$1,621	$1,621	$2,284	$4,273
JAMAICA BEACH	SAN JACINTO-BRAZOS	GALVESTON	0808860008411	$0	$0	$0	$0	$5,402	$0	$5,895	$0	$0	$0	$0	$3,954	$1,246	$0	$16,496	$0	$822	$1,438	$618	$0	$0	$0	$402	$703	$703	$703	$0	$296	$516	$516	$516	$516	$0
JERSEY VILLAGE	SAN JACINTO	HARRIS	0807090001210	$1,378,656	$0	$473,252	$0	$0	$0	$0	$0	$48,485	$48,485	$0	$648,167	$212,101	$0	$2,809,145	$0	$62,730	$122,022	$100,003	$80,853	$82,172	$0	$8,911	$18,768	$25,538	$32,210	$39,178	$0	$8,938	$18,834	$25,611	$32,290	$39,288
JEWETT	TRINITY	LEON	0808870001408	$0	$0	$0	$0	$31,638	$0	$34,527	$0	$0	$0	$0	$23,158	$7,295	$0	$96,618	$0	$5,342	$8,424	$3,092	$0	$0	$0	$2,612	$4,120	$4,120	$4,120	$0	$1,915	$3,020	$2,947	$2,726	$2,873	$0
JEWETT	BRAZOS	LEON	0808870001412	$0	$0	$0	$0	$10,546	$0	$10,940	$0	$0	$0	$0	$7,343	$2,313	$0	$30,629	$0	$1,849	$2,671	$822	$0	$0	$0	$904	$1,300	$1,300	$1,300	$0	$603	$958	$958	$864	$950	$0
JONES CREEK	BRAZOS-COLORADO	BRAZORIA	0803080000213	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
KATY	SAN JACINTO	FORT BEND	0803122000701	$0	$0	$0	$0	$589,031	$0	$643,386	$0	$0	$0	$13,970	$431,346	$135,879	$0	$1,799,642	$13,970	$48,875	$59,142	$46,010	$50,319	$62,016	$6,831	$23,892	$35,742	$46,388	$60,344	$76,704	$5,009	$17,532	$26,229	$34,033	$44,273	$56,280
KATY	SAN JACINTO	HARRIS	0803122000110	$0	$0	$3,887,194	$0	$216,793	$0	$4,443,067	$0	$0	$0	$0	$2,908,591	$916,244	$0	$12,135,099	$153,370	$486,547	$511,992	$209,425	$259,015	$262,011	$74,149	$229,447	$315,489	$378,885	$441,187	$505,564	$55,691	$181,363	$246,557	$293,850	$340,259	$388,667
KATY	SAN JACINTO	WALLER	0803122000710	$0	$0	$0	$0	$745,877	$0	$815,180	$0	$0	$0	$0	$546,370	$172,114	$0	$2,279,540	$13,353	$52,974	$70,629	$63,248	$70,220	$82,515	$6,530	$25,893	$41,051	$56,810	$75,372	$97,134	$4,788	$19,006	$30,129	$41,694	$55,322	$71,308
KEMAH	SAN JACINTO-BRAZOS	GALVESTON	0803160000411	$213,505	$0	$73,382	$0	$131,780	$0	$143,440	$0	$0	$0	$0	$196,935	$69,957	$0	$829,533	$35,111	$74,991	$43,145	$4,304	$1,633	$1,485	$17,161	$22,272	$21,813	$22,990	$23,768	$23,233	$12,597	$5,402	$6,164	$6,336	$6,434	$6,581
KENEFICK	TRINITY	LIBERTY	0810330001408	$0	$0	$0	$0	$68,679	$0	$74,949	$0	$0	$0	$0	$50,270	$15,836	$0	$209,734	$0	$3,698	$6,985	$6,575	$6,985	$8,013	$0	$1,809	$3,416	$5,024	$6,833	$8,943	$0	$1,326	$2,505	$3,683	$5,009	$6,556	$0
LA MARQUE	SAN JACINTO-BRAZOS	GALVESTON	0803420000411	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LA PORTE	SAN JACINTO-BRAZOS	HARRIS	0803460001011	$0	$0	$0	$0	$54,786	$0	$59,791	$0	$0	$0	$0	$40,102	$12,633	$0	$167,312	$0	$6,780	$14,587	$7,807	$0	$0	$0	$3,318	$7,134	$7,134	$7,134	$0	$2,431	$5,230	$5,230	$5,230	$5,230	$0
LA PORTE	SAN JACINTO	HARRIS	0803460001012	$0	$0	$0	$0	$3,067	$0	$3,348	$0	$0	$0	$0	$2,255	$712	$0	$9,426	$0	$411	$822	$411	$0	$0	$0	$201	$402	$402	$402	$0	$147	$293	$293	$296	$296	$0
LAKE JACKSON	SAN JACINTO-BRAZOS	BRAZORIA	0803380000211	$6,079,649	$0	$2,078,482	$0	$801,274	$0	$877,497	$0	$145,409	$145,409	$0	$3,442,916	$1,108,314	$0	$14,678,949	$235,456	$776,327	$646,064	$214,570	$242,305	$288,896	$36,124	$168,519	$204,560	$227,383	$250,416	$277,143	$36,538	$135,223	$163,955	$183,672	$204,666	$229,121
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPAT	TRINITY	LIBERTY	0842260001408	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$233,055	$233,055	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPAT	TRINITY	POLK	0842260001808	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,912,990	$1,912,990	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPAT	SAN JACINTO	SAN JACINTO	0842260002410	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$203,923	$203,923	$0	$407,846	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPAT	TRINITY	SAN JACINTO	0842260002408	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$443,451	$443,451	$0	$886,902	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPAT	TRINITY	TRINITY	0842260002808	$0	$0	$0	$1,543	$0	$1,684	$0	$0	$0	$0	$0	$1,120	$356	$233,055	$237,768	$0	$411	$411	$0	$0	$0	$0	$201	$201	$201	$201	$0	$147	$74	$0	$0	$0	$0
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPAT	TRINITY	WALKER	0842260002908	$0	$0	$0	$772	$0	$842	$0	$0	$0	$0	$0	$565	$178	$0	$3,357	$0	$205	$205	$0	$0	$0	$0	$100	$100	$100	$100	$0	$74	$0	$74	$0	$0	$0
LEAGUE CITY	SAN JACINTO-BRAZOS	GALVESTON	0803500008411	$3,334,197	$0	$1,119,700	$0	$1,762,216	$0	$2,387,433	$0	$48,485	$48,485	$0	$3,011,241	$956,499	$0	$12,668,256	$528,299	$1,014,701	$538,244	$62,514	$23,121	$27,291	$234,482	$314,109	$322,728	$324,502	$326,571	$329,033	$208,840	$91,246	$102,984	$104,751	$106,814	$109,270
LEAGUE CITY	SAN JACINTO-BRAZOS	HARRIS	0803500001011	$13,878	$0	$4,776	$0	$11,575	$0	$12,632	$0	$48,485	$48,485	$0	$15,001	$12,645	$0	$167,477	$3,082	$14,453	$11,371	$0	$148	$148	$1,507	$1,977	$1,977	$1,977	$1,902	$1,902	$1,105	$368	$368	$368	$393	$393
LIBERTY	TRINITY	LIBERTY	0803560001408	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$67,213	$21,173	$0	$280,423	$0	$3,698	$4,725	$3,287	$5,451	$17,462	$0	$2,311	$3,416	$5,024	$6,833	$8,943	$0	$1,326	$2,694	$2,505	$3,683	$5,009	$6,556
LIVESTOCK	BRAZOS	AUSTIN	0810050080812	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS-COLORADO	AUSTIN	0810050080813	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	COLORADO	AUSTIN	0810050080814	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO-BRAZOS	BRAZORIA	0810050020211	$0	$0	$0	$0	$0	$19,632	$0	$0	$0	$0	$6,871	$1,104	$0	$0	$27,608	$0	$2,407	$2,407	$0	$0	$0	$0	$276	$276	$276	$276	$0	$0	$655	$442	$442	$442	$442	$0
LIVESTOCK	BRAZOS	BRAZORIA	0810050020212	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS-COLORADO	BRAZORIA	0810050020213	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	NECHES-TRINITY	CHAMBERS	0810050360607	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY	CHAMBERS	0810050360608	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY-SAN JACINTO	CHAMBERS	0810050360609	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO	FORT BEND	0810050790710	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO-BRAZOS	FORT BEND	0810050790711	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS	FORT BEND	0810050790712	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS-COLORADO	FORT BEND	0810050790713	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	NECHES-TRINITY	GALVESTON	0810050840407	$0	$0	$0	$0	$0	$0	$6,871	$0	$0	$0	$0	$2,405	$387	$0	$9,662	$842	$842	$0	$0	$0	$0	$97	$97	$97	$97	$97	$229	$229	$229	$229	$229	$229	$229
LIVESTOCK	SAN JACINTO-BRAZOS	GALVESTON	0810050840411	$0	$0	$0	$0	$0	$0	$12,761	$0	$0	$0	$0	$4,468	$718	$0	$17,945	$0	$602	$1,565	$963	$0	$0	$0	$179	$179	$179	$179	$0	$0	$164	$426	$426	$426	$426	$0
LIVESTOCK	TRINITY-SAN JACINTO	HARRIS	0810051010109	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO	HARRIS	0810051010110	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO-BRAZOS	HARRIS	0810051011011	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY	LEON	0810051451508	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS	LEON	0810051451512	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	NECHES	LIBERTY	0810051461606	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	NECHES-TRINITY	LIBERTY	0810051461607	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY	LIBERTY	0810051461608	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY-SAN JACINTO	LIBERTY	0810051461609	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO	LIBERTY	0810051461610	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY	MADISON	0810051571708	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS	MADISON	0810051571712	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO	MONTGOMERY	0810051701010	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY	TRINITY	0810052282808	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

WUG Name	wug_basin	WUG County	Annual Costs for Municipal Conservation						Annual Costs for Irrigation Conservation						Project-Specific Annual Costs						Total Annual Cost					
			2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060
HUNTSVILLE	TRINITY	WALKER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
HUNTSVILLE	SAN JACINTO	WALKER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IOWA COLONY	SAN JACINTO-BRAZOS	BRAZORIA	$0	$1,414	$1,414	$1,414	$1,616	$1,818	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$2,552	$5,569	$8,350	$10,354	$12,514	$12,514	$12,514
IRRIGATION	BRAZOS	AUSTIN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	BRAZOS-COLORADO	AUSTIN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO-BRAZOS	BRAZORIA	$0	$0	$0	$0	$0	$0	$1,734,868	$1,734,868	$1,718,828	$1,718,828	$1,718,828	$1,718,828	$0	$0	$0	$0	$0	$0	$1,734,868	$1,734,868	$2,115,027	$2,071,761	$1,782,897	$1,755,989	$1,755,989	$1,755,989
IRRIGATION	BRAZOS	BRAZORIA	$0	$0	$0	$0	$0	$0	$57,898	$57,898	$57,363	$57,363	$57,363	$57,363	$0	$0	$0	$0	$0	$0	$57,898	$57,898	$57,363	$57,363	$57,363	$57,363	$57,363	$57,363
IRRIGATION	BRAZOS-COLORADO	BRAZORIA	$0	$0	$0	$0	$0	$0	$76,700	$76,700	$75,991	$75,991	$75,991	$75,991	$0	$0	$0	$0	$0	$0	$76,700	$76,700	$75,991	$75,991	$75,991	$75,991	$75,991	$75,991
IRRIGATION	NECHES-TRINITY	CHAMBERS	$0	$0	$0	$0	$0	$0	$1,670,977	$1,670,977	$1,653,759	$1,653,759	$1,653,759	$1,653,759	$0	$0	$0	$0	$0	$0	$1,670,977	$1,670,977	$1,653,759	$1,653,759	$1,653,759	$1,653,759	$1,653,759	$1,653,759
IRRIGATION	TRINITY	CHAMBERS	$0	$0	$0	$0	$0	$0	$657,035	$657,035	$650,265	$650,265	$650,265	$650,265	$0	$0	$0	$0	$0	$0	$657,035	$657,035	$650,265	$650,265	$650,265	$650,265	$650,265	$650,265
IRRIGATION	TRINITY-SAN JACINTO	CHAMBERS	$0	$0	$0	$0	$0	$0	$35,425	$35,425	$35,060	$35,060	$35,060	$35,060	$0	$0	$0	$0	$0	$0	$35,425	$35,425	$35,060	$35,060	$35,060	$35,060	$35,060	$35,060
IRRIGATION	SAN JACINTO	FORT BEND	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO-BRAZOS	FORT BEND	$0	$0	$0	$0	$0	$0	$341,125	$341,125	$337,862	$337,862	$337,862	$337,862	$0	$0	$0	$0	$0	$0	$341,125	$341,125	$337,862	$337,862	$337,862	$337,862	$337,862	$337,862
IRRIGATION	BRAZOS	FORT BEND	$0	$0	$0	$0	$0	$0	$174,232	$174,232	$172,565	$172,565	$172,565	$162,166	$136,364	$0	$0	$0	$0	$0	$174,232	$174,232	$172,565	$172,565	$162,166	$136,364	$136,364	$136,364
IRRIGATION	BRAZOS-COLORADO	FORT BEND	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$10,512	$36,704	$0	$0	$0	$0	$0	$0	$0	$0	$0	$10,512	$36,704	$36,704	$36,704
IRRIGATION	SAN JACINTO-BRAZOS	GALVESTON	$0	$0	$0	$0	$0	$0	$237,275	$237,275	$234,710	$234,710	$234,710	$234,710	$0	$0	$0	$0	$0	$0	$237,275	$237,275	$234,710	$234,710	$234,710	$234,710	$234,710	$234,710
IRRIGATION	TRINITY-SAN JACINTO	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	NECHES	LIBERTY	$0	$0	$0	$0	$0	$0	$84,316	$84,316	$83,658	$83,658	$83,658	$83,658	$0	$0	$0	$0	$0	$0	$84,316	$85,317	$85,661	$85,857	$88,135	$88,061	$88,061	$88,061
IRRIGATION	NECHES-TRINITY	LIBERTY	$0	$0	$0	$0	$0	$0	$210,843	$210,843	$209,197	$209,197	$209,197	$209,197	$0	$0	$0	$0	$0	$0	$210,843	$210,843	$209,197	$209,197	$209,197	$209,197	$209,197	$209,197
IRRIGATION	TRINITY	LIBERTY	$0	$0	$0	$0	$0	$0	$1,349,069	$1,349,069	$1,338,539	$1,338,539	$1,338,539	$1,338,539	$0	$0	$0	$0	$0	$0	$1,349,069	$1,349,069	$1,338,539	$1,338,539	$1,338,539	$1,338,539	$1,338,539	$1,338,539
IRRIGATION	TRINITY-SAN JACINTO	LIBERTY	$0	$0	$0	$0	$0	$0	$442,688	$442,688	$439,233	$439,233	$439,233	$439,233	$0	$0	$0	$0	$0	$0	$442,688	$442,688	$439,233	$439,233	$439,233	$439,233	$439,233	$439,233
IRRIGATION	SAN JACINTO	LIBERTY	$0	$0	$0	$0	$0	$0	$21,105	$21,105	$20,940	$20,940	$20,940	$20,940	$0	$0	$0	$0	$0	$0	$21,105	$21,105	$20,940	$20,940	$20,940	$20,940	$20,940	$20,940
IRRIGATION	TRINITY	MADISON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO	MONTGOMERY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	TRINITY	TRINITY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	TRINITY	WALKER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO	WALKER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO	WALLER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$574,090	$574,090	$0	$0	$0	$0	$0	$0	$0	$0	$39,552	$31,793	$3,484	$577,361	$577,361	$577,361
IRRIGATION	BRAZOS	WALLER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$152,570	$152,570	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$152,570	$152,570	$152,570
IRRIGATION	TRINITY	LEON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	TRINITY	SAN JACINTO	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
JACINTO CITY	SAN JACINTO	HARRIS	$0	$0	$12,141	$19,596	$20,661	$21,726	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,416	$20,493	$26,099	$38,973	$56,026	$56,026	$56,026
JAMAICA BEACH	SAN JACINTO-BRAZOS	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,519	$2,657	$1,835	$1,219	$1,219	$1,219	$1,219
JERSEY VILLAGE	SAN JACINTO	HARRIS	$0	$34,832	$40,119	$45,717	$51,004	$56,602	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$15,420	$39,743	$196,869	$196,357	$217,251	$217,251	$217,251
JEWETT	TRINITY	LEON	$0	$2,020	$2,222	$2,222	$2,020	$2,222	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$11,889	$17,788	$12,371	$8,866	$9,215	$9,215	$9,215
JEWETT	BRAZOS	LEON	$0	$606	$808	$303	$606	$808	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$4,022	$5,743	$3,954	$2,790	$3,072	$3,072	$3,072
JONES CREEK	BRAZOS-COLORADO	BRAZORIA	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
KATY	SAN JACINTO	FORT BEND	$3,834	$5,112	$6,603	$8,094	$10,011	$12,354	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$29,644	$95,411	$127,712	$134,525	$164,947	$207,354	$207,354	$207,354
KATY	SAN JACINTO	HARRIS	$43,239	$52,185	$61,344	$70,716	$79,662	$89,247	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$326,451	$849,542	$1,135,292	$1,052,886	$1,120,073	$1,245,876	$1,245,876	$1,245,876
KATY	SAN JACINTO	WALLER	$3,621	$5,538	$7,455	$9,798	$12,354	$15,549	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$28,292	$103,411	$149,264	$171,550	$213,268	$266,510	$266,510	$266,510
KEMAH	SAN JACINTO-BRAZOS	GALVESTON	$3,030	$3,636	$3,838	$4,040	$4,040	$4,040	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$67,899	$106,309	$75,960	$37,666	$35,192	$35,338	$35,338	$35,338
KENEFICK	TRINITY	LIBERTY	$0	$1,212	$1,414	$1,616	$1,818	$2,020	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$8,045	$14,320	$16,898	$20,645	$25,532	$25,532	$25,532
LA MARQUE	SAN JACINTO-BRAZOS	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LA PORTE	SAN JACINTO-BRAZOS	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$12,527	$25,951	$20,171	$12,364	$12,364	$12,364	$12,364
LA PORTE	SAN JACINTO	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$759	$1,519	$1,108	$607	$607	$607
LAKE JACKSON	SAN JACINTO-BRAZOS	BRAZORIA	$108,630	$117,150	$124,392	$132,060	$140,580	$151,230	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$416,748	$1,197,199	$1,138,972	$757,686	$837,967	$946,393	$946,393	$946,393
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPAT	TRINITY	LIBERTY	$0	$1,491	$1,704	$1,704	$1,917	$2,130	$0	$0	$0	$0	$0	$0	$40,419	$39,858	$20,100	$20,379	$21,496	$22,333	$40,419	$41,349	$21,804	$22,083	$23,413	$24,463	$24,463	$24,463
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPAT	TRINITY	POLK	$0	$11,502	$13,206	$13,632	$14,058	$14,910	$0	$0	$0	$0	$0	$0	$331,772	$323,913	$158,847	$158,568	$159,405	$161,080	$331,772	$335,415	$172,053	$172,200	$173,463	$175,990	$175,990	$175,990
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPAS	SAN JACINTO	SAN JACINTO	$1,278	$1,491	$1,704	$1,704	$1,917	$1,917	$0	$0	$0	$0	$0	$0	$35,367	$39,296	$20,378	$20,938	$20,938	$20,658	$36,645	$40,787	$22,083	$22,642	$22,855	$22,575	$22,575	$22,575
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPAT	TRINITY	SAN JACINTO	$2,769	$3,408	$3,621	$3,834	$4,047	$4,047	$0	$0	$0	$0	$0	$0	$76,908	$84,206	$44,388	$45,505	$46,225	$44,108	$79,677	$87,614	$48,009	$49,339	$50,272	$48,155	$48,155	$48,155
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPAT	TRINITY	TRINITY	$0	$426	$213	$0	$0	$0	$0	$0	$0	$0	$0	$0	$40,419	$38,173	$17,867	$16,471	$15,075	$13,958	$40,419	$39,358	$18,766	$16,672	$15,276	$14,159	$14,159	$14,159
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPAT	TRINITY	WALKER	$0	$0	$213	$0	$0	$0	$0	$0	$0	$0	$0	$0	$10,666	$10,105	$4,746	$4,467	$4,188	$4,188	$10,666	$10,105	$5,338	$4,772	$4,288	$4,288	$4,288	$4,288
LEAGUE CITY	SAN JACINTO-BRAZOS	GALVESTON	$100,962	$111,399	$117,150	$118,215	$119,280	$120,771	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,072,583	$1,531,455	$1,081,106	$609,982	$575,786	$586,339	$586,339	$586,339
LEAGUE CITY	SAN JACINTO-BRAZOS	HARRIS	$426	$426	$426	$426	$426	$426	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$6,120	$17,124	$14,042	$2,671	$2,869	$2,869	$2,869	$2,869
LIBERTY	TRINITY	LIBERTY	$0	$5,586	$7,153	$10,574	$21,459	$30,137	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$12,421	$15,883	$19,782	$42,926	$68,352	$68,352	$68,352
LIVESTOCK	BRAZOS	AUSTIN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS-COLORADO	AUSTIN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	COLORADO	AUSTIN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO-BRAZOS	BRAZORIA	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,338	$3,125	$718	$718	$718	$718	$718
LIVESTOCK	BRAZOS	BRAZORIA	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS-COLORADO	BRAZORIA	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	NECHES-TRINITY	CHAMBERS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY	CHAMBERS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY-SAN JACINTO	CHAMBERS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO	FORT BEND	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO-BRAZOS	FORT BEND	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS	FORT BEND	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS-COLORADO	FORT BEND	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	NECHES-TRINITY	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,168	$1,168	$326	$326	$326	$326	$326	$326
LIVESTOCK	SAN JACINTO-BRAZOS	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$835	$2,170	$1,568	$605	$605	$605	$605
LIVESTOCK	TRINITY-SAN JACINTO	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO-BRAZOS	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY	LEON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS	LEON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	NECHES	LIBERTY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	NECHES-TRINITY	LIBERTY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY	LIBERTY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY-SAN JACINTO	LIBERTY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO	LIBERTY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY	MADISON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS	MADISON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO	MONTGOMERY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$41,744	$81,972	$83,292	$81,256	$87,672	$93,311	$93,311	$93,311
LIVESTOCK	TRINITY	POLK	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$759	$1,138	$1,108	$1,281	$1,456	$1,456	$1,456
LIVESTOCK	TRINITY	SAN JACINTO	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO	SAN JACINTO	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY	TRINITY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY	WALKER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO	WALKER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO	WALLER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS	WALLER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
MISSOURI CITY	SAN JACINTO	FORT BEND	$0	$43,239	$51,546	$60,279	$66,669	$81,153	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$43,239	$51,546	$60,279	$66,669	$81,153	$81,153	$81,153
MISSOURI CITY	SAN JACINTO-BRAZOS	FORT BEND	$0	$195,321	$233,448	$272,640	$301,821	$366,999	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$195,321	$233,448	$272,640	$301,821	$366,999	$366,999	$366,999
MISSOURI CITY	SAN JACINTO	HARRIS	$17,679	$20,874	$24,069	$27,477	$31,098	$34,506	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$17,679	$20,874	$24,069	$27,477	$31,098	$34,506	$34,506	$34,506
MISSOURI CITY	BRAZOS	FORT BEND	$0	$5,325	$6,390	$7,455	$8,094	$9,798	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$5,325	$6,390	$7,455	$8,094	$9,798	$9,798	$9,798
MONT BELVIEU	TRINITY	CHAMBERS	$7,474	$9,696	$11,918	$13,534	$15,554	$17,372	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$202,151	$1,097,687	$1,200,988	$752,154	$803,170	$876,190	$876,190	$876,190
MONT BELVIEU	TRINITY-SAN JACINTO	CHAMBERS	$3,434	$4,646	$5,454	$6,464	$7,272	$8,080	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$80,430	$440,994	$494,086	$325,278	$354,476	$394,827	$394,827	$394,827
MONTGOMERY COUNTY MUD #18	SAN JACINTO	MONTGOMERY	$34,832	$44,162	$65,310	$90,190	$123,467	$161,720	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$155,265	$370,810	$699,689	$1,162,955	$1,317,190	$1,216,361	$1,216,361	$1,216,361

Region H

Table 4C-2: WUG-Level Project Costs

WUG Name	wug_basin	WUG County	WUG-County-Basin Identifier	Pump Stations: Booster Pump Stations	Pump Stations: Raw Water Pump Stations	Connection Costs: Pipeline Connections	Treatment Plants: Surface Water Treatment Plants	Treatment Plants: Groundwater Treatment Plants	Treatment Plants: Direct Reuse Plants	Wells: Municipal Supply Wells	Wells: Agricultural Wells	Other Capital Costs: Land and Easements	Other Capital Costs: Mitigation	Other Capital Costs: Capital Costs for Irrigation Conservation	Other Capital Costs: Engineering, Contingencies, Financial and Legal Services	Other Capital Costs: Interest During Construction	Other Capital Costs: Project-Specific Capital Costs	Other Capital Costs: Total Capital Cost	Debt Service: 2010	Debt Service: 2020	Debt Service: 2030	Debt Service: 2040	Debt Service: 2050	Debt Service: 2060	Operations and Maintenance: 2010	Operations and Maintenance: 2020	Operations and Maintenance: 2030	Operations and Maintenance: 2040	Operations and Maintenance: 2050	Operations and Maintenance: 2060	Energy: 2010	Energy: 2020	Energy: 2030	Energy: 2040	Energy: 2050	Energy: 2060
MONTGOMERY COUNTY MUD #19	SAN JACINTO	MONTGOMERY	08426200017010	$352,681	$0	$120,983	$0	$123,965	$0	$140,630	$0	$48,485	$48,485	$0	$260,095	$89,853	$0	$1,190,048	$16,434	$34,306	$87,330	$99,448	$0	$0	$8,036	$16,775	$26,802	$26,802	$26,802	$26,802	$8,300	$8,864	$9,208	$9,208	$9,208	$9,208
MONTGOMERY COUNTY MUD #8	SAN JACINTO	MONTGOMERY	08426300017010	$675,523	$185,000	$231,418	$3,812,841	$123,965	$0	$134,740	$0	$48,485	$48,485	$0	$1,807,011	$577,151	$6,000,000	$13,644,019	$29,367	$361,995	$403,871	$296,137	$290,234	$8,309	$14,356	$149,391	$179,200	$249,062	$249,949	$250,443	$10,534	$13,301	$26,462	$35,457	$36,341	$36,932
MONTGOMERY COUNTY MUD #9	SAN JACINTO	MONTGOMERY	08426400017010	$765,049	$203,000	$262,022	$4,185,132	$155,777	$0	$170,110	$0	$48,485	$48,485	$0	$2,009,389	$640,903	$6,000,000	$14,488,374	$28,341	$354,371	$427,142	$370,854	$279,639	$14,630	$13,855	$146,010	$189,027	$275,096	$277,175	$278,161	$10,160	$13,799	$30,039	$38,658	$40,131	$41,114
MONTGOMERY COUNTY MUD #2	SAN JACINTO	MONTGOMERY	08426500017010	$0	$0	$0	$284,665	$0	$0	$310,745	$0	$0	$0	$0	$208,394	$65,647	$0	$869,450	$19,925	$41,698	$33,278	$19,517	$16,025	$14,587	$9,743	$20,389	$26,015	$29,933	$33,852	$37,067	$7,146	$14,954	$19,079	$21,952	$24,825	$27,182
MONTGOMERY COUNTY MUD #3	SAN JACINTO	MONTGOMERY	08426600017010	$615,702	$0	$211,300	$0	$203,649	$0	$222,322	$0	$48,485	$48,485	$0	$576,426	$189,501	$0	$2,509,830	$34,290	$72,419	$96,532	$134,624	$121,259	$11,730	$16,763	$35,497	$45,367	$62,855	$64,014	$64,824	$12,262	$26,004	$33,297	$37,680	$18,834	$27,419
MONTGOMERY COUNTY WCID #1	SAN JACINTO	MONTGOMERY	08426800017010	$0	$0	$0	$462,777	$0	$0	$505,277	$0	$0	$0	$0	$338,819	$106,732	$0	$1,413,605	$17,256	$38,823	$38,618	$34,717	$40,671	$49,704	$8,438	$18,984	$27,321	$35,960	$47,208	$60,261	$6,188	$13,923	$20,037	$26,372	$34,623	$44,199
NASSAU BAY	BRAZOS	HARRIS	08042400010011	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
NEEDVILLE	BRAZOS	FORT BEND	08042800007912	$0	$0	$0	$246,881	$0	$0	$269,481	$0	$0	$0	$0	$180,727	$56,931	$0	$754,020	$0	$8,834	$13,928	$22,393	$27,118	$34,511	$0	$4,320	$9,746	$15,271	$23,007	$32,147	$0	$3,168	$7,146	$11,197	$16,899	$23,573	$32,248
NEEDVILLE	BRAZOS-COLORADO	FORT BEND	08042801007913	$0	$0	$0	$298,541	$0	$0	$325,900	$0	$0	$0	$0	$218,556	$68,848	$0	$911,845	$0	$10,889	$24,242	$27,118	$32,663	$41,497	$0	$5,325	$11,855	$18,586	$27,827	$38,874	$0	$3,904	$8,692	$13,628	$20,405	$28,508	$39,508
NEW CANEY MUD	SAN JACINTO	MONTGOMERY	08427200017010	$0	$0	$0	$2,205,950	$0	$2,449,750	$0	$0	$0	$0	$0	$1,629,495	$513,312	$0	$6,798,508	$54,566	$111,995	$138,916	$173,936	$228,148	$306,794	$26,649	$54,691	$94,418	$139,447	$205,220	$287,697	$19,595	$40,221	$69,540	$102,836	$151,971	$214,291
NEW WAVERLY	SAN JACINTO	WALKER	08426900007010	$0	$0	$0	$19,250	$0	$21,092	$0	$0	$0	$0	$0	$14,121	$4,449	$0	$58,912	$0	$1,459	$5,136	$6,644	$0	$0	$0	$1,708	$2,512	$3,317	$4,122	$4,927	$1,252	$1,842	$3,126	$4,410	$5,694	$6,978
NHCRWA	SAN JACINTO	HARRIS	08800000010010	$28,832,697	$14,018,318	$0	$132,435,377	$0	$2,954,458	$0	$0	$48,485	$48,485	$0	$62,384,297	$19,659,775	$0	$260,381,892	$0	$0	$0	$0	$0	$0	$0	$401,441	$1,404,384	$12,062,005	$21,342,561	$21,508,847	$0	$1,377,265	$2,059,403	$2,461,582	$2,747,418	$2,613,839
NORMANGEE	BRAZOS	LEON	08092700014508	$0	$0	$0	$12,347	$0	$13,474	$0	$0	$0	$0	$0	$9,037	$2,847	$0	$37,705	$0	$2,260	$3,287	$1,027	$0	$0	$0	$1,105	$1,608	$1,608	$1,608	$1,608	$0	$810	$1,179	$1,031	$958	$1,031
NORMANGEE	BRAZOS	LEON	08092700014512	$0	$0	$0	$5,402	$0	$5,895	$0	$0	$0	$0	$0	$3,954	$1,246	$0	$16,496	$0	$622	$1,438	$616	$0	$0	$0	$402	$703	$703	$703	$703	$0	$354	$516	$442	$366	$442	$366
NORMANGEE	TRINITY	MADISON	08092700015708	$0	$0	$0	$3,087	$0	$3,369	$0	$0	$0	$0	$0	$2,259	$712	$0	$9,426	$0	$411	$616	$205	$205	$205	$0	$201	$301	$301	$402	$402	$0	$147	$221	$221	$295	$295	$221
NORTH BELT LID	SAN JACINTO	HARRIS	08427500010010	$0	$0	$0	$713,451	$0	$779,311	$0	$0	$0	$0	$0	$522,642	$164,699	$0	$2,180,543	$23,005	$78,798	$88,033	$57,913	$52,373	$53,596	$11,248	$38,494	$64,253	$66,805	$79,859	$92,912	$8,250	$28,287	$39,853	$49,061	$58,677	$68,214
NORTH GREEN MUD	SAN JACINTO	HARRIS	08427900010110	$0	$0	$0	$286,897	$0	$313,272	$0	$0	$0	$0	$0	$210,059	$66,171	$0	$876,398	$17,256	$49,700	$44,390	$16,230	$9,245	$10,478	$8,438	$24,297	$30,124	$32,234	$34,646	$37,356	$6,188	$17,827	$22,100	$23,646	$25,414	$27,403
NORTHWEST HARRIS COUNTY MUD #23	SAN JACINTO	HARRIS	08428600010110	$0	$0	$0	$905,393	$0	$980,866	$0	$0	$0	$0	$0	$590,191	$185,918	$0	$2,462,367	$28,957	$95,779	$103,573	$62,219	$53,809	$56,682	$14,156	$46,767	$64,725	$77,181	$93,036	$104,891	$10,387	$34,402	$47,589	$56,722	$66,888	$77,054
NORTHWEST PARK MUD	SAN JACINTO	HARRIS	08428700010110	$0	$0	$0	$1,834,269	$0	$2,126,373	$0	$0	$0	$0	$0	$1,386,226	$436,679	$0	$5,783,545	$134,701	$433,335	$399,535	$70,901	$0	$0	$0	$65,299	$205,598	$240,190	$240,190	$240,190	$48,766	$160,516	$186,004	$182,247	$180,479	$180,479
OAK RIDGE NORTH	SAN JACINTO	MONTGOMERY	08427600017010	$1,135,226	$0	$388,815	$0	$209,706	$0	$229,059	$0	$48,485	$48,485	$0	$686,983	$224,328	$0	$2,971,090	$23,621	$55,960	$160,248	$128,043	$34,704	$75,130	$11,549	$27,308	$47,087	$47,087	$52,950	$59,577	$8,471	$20,037	$20,037	$19,980	$25,907	$32,535
OLD RIVER-WINFREE	TRINITY	CHAMBERS	08072700003608	$0	$78,007	$0	$1,610,128	$124,862	$0	$136,455	$0	$0	$0	$0	$682,297	$214,932	$0	$3,006,377	$0	$2,845,651	$33,255	$203,239	$180,493	$19,126	$21,038	$25,826	$35,260	$87,986	$92,416	$96,045	$106,294	$106,925	$11,934	$5,829	$6,186	$6,483	$6,962	$7,586
ONALASKA	TRINITY	POLK	08093300018708	$0	$0	$0	$104,944	$0	$114,529	$0	$0	$0	$0	$0	$76,916	$24,198	$0	$320,488	$0	$8,218	$14,587	$10,684	$8,629	$9,046	$0	$4,019	$7,134	$9,244	$11,354	$13,465	$0	$2,947	$5,230	$6,777	$8,324	$10,018	$11,712
ONALASKA WSC	TRINITY	POLK	08429300018708	$0	$0	$0	$11,575	$0	$12,630	$0	$0	$0	$0	$0	$8,478	$2,669	$0	$35,349	$0	$1,644	$1,438	$616	$0	$2,633	$0	$402	$703	$703	$703	$1,507	$0	$295	$516	$147	$442	$1,105	$295
ORBIT SYSTEMS INC	BRAZOS-COLORADO	BRAZORIA	08429400002013	$0	$0	$0	$27,781	$0	$30,317	$0	$0	$0	$0	$0	$20,334	$6,405	$0	$84,837	$0	$1,027	$2,465	$3,082	$3,082	$3,287	$0	$502	$1,206	$2,010	$2,713	$3,617	$0	$368	$888	$1,473	$1,989	$2,652	$3,552
ORBIT SYSTEMS INC	BRAZOS-COLORADO	BRAZORIA	08429400002011	$0	$0	$0	$247,659	$754,391	$0	$270,323	$0	$0	$0	$0	$181,295	$57,110	$0	$1,510,778	$0	$22,727	$25,474	$25,299	$23,266	$27,304	$3,287	$4,225	$12,458	$18,590	$24,813	$32,249	$0	$4,567	$9,134	$13,628	$18,155	$23,646	$30,137
ORBIT SYSTEMS INC	BRAZOS-BRAZOS	FORT BEND	08429400002911	$0	$5,900	$0	$121,795	$0	$0	$0	$0	$0	$0	$0	$44,693	$14,079	$0	$186,466	$0	$3,825	$9,563	$7,650	$3,825	$4,781	$0	$1,612	$4,032	$4,836	$5,642	$6,856	$0	$131	$327	$393	$458	$550	$733
OYSTER CREEK	BRAZOS-BRAZOS	BRAZORIA	08073000014511	$341,611	$0	$117,540	$0	$44,301	$0	$50,520	$0	$145,454	$145,454	$0	$194,596	$85,051	$0	$1,125,452	$23,006	$61,918	$44,734	$16,028	$0	$17,135	$19,908	$7,723	$10,033	$12,038	$13,944	$15,746	$1,228	$6,114	$8,177	$9,626	$11,076	$12,917	$14,757
PANORAMA VILLAGE	SAN JACINTO	MONTGOMERY	08073200017010	$587,557	$0	$201,211	$0	$193,549	$0	$211,374	$0	$48,485	$48,485	$0	$447,792	$139,529	$0	$1,947,980	$23,415	$51,551	$132,211	$104,075	$0	$0	$5,489	$11,449	$25,204	$40,992	$40,992	$40,992	$8,398	$18,490	$15,936	$13,923	$15,494	$16,845
PARKWAY UD	SAN JACINTO	HARRIS	08429800010110	$194,295	$0	$66,753	$0	$0	$0	$0	$0	$48,462	$48,462	$0	$91,367	$36,698	$0	$486,037	$42,375	$42,375	$0	$0	$0	$0	$0	$5,525	$5,525	$5,525	$5,525	$5,525	$5,525	$5,427	$5,255	$5,157	$5,034	$5,063	$5,063
PASADENA	SAN JACINTO	HARRIS	08456000010110	$0	$0	$0	$213,566	$0	$233,290	$0	$0	$0	$0	$0	$156,393	$49,266	$0	$652,494	$0	$0	$29,777	$56,887	$27,110	$0	$0	$0	$7,731	$27,811	$27,811	$27,811	$0	$6,144	$8,177	$9,626	$10,681	$12,917	$14,757
PASADENA	BRAZOS-BRAZOS	HARRIS	08456600010111	$0	$0	$0	$59,416	$0	$64,844	$0	$0	$0	$0	$0	$43,491	$13,700	$0	$181,450	$0	$8,218	$15,820	$7,602	$0	$0	$0	$4,019	$7,737	$7,737	$7,737	$7,737	$0	$2,947	$5,672	$5,672	$5,672	$5,672	$5,672
PATTON VILLAGE	SAN JACINTO	MONTGOMERY	08073400017010	$0	$0	$0	$95,160	$0	$103,906	$0	$0	$0	$0	$0	$71,602	$22,556	$0	$298,960	$3,007	$6,571	$6,575	$6,575	$7,602	$10,067	$1,567	$3,215	$4,723	$6,431	$8,440	$11,354	$1,105	$2,357	$3,452	$4,715	$6,288	$8,324	$11,034
PEARLAND	SAN JACINTO-BRAZOS	BRAZORIA	08045700002011	$0	$0	$0	$1,576,628	$0	$1,746,573	$0	$0	$0	$0	$0	$1,163,121	$366,398	$256,081,548	$260,934,268	$0	$0	$0	$86,160	$232,600	$258,690	$190,482	$0	$0	$41,989	$112,860	$167,425	$205,575	$0	$0	$0	$31,013	$84,125	$124,641	$152,781	$187,662
PEARLAND	SAN JACINTO-BRAZOS	HARRIS	08045700010111	$0	$0	$0	$20,183	$0	$22,357	$0	$0	$0	$0	$0	$15,258	$4,804	$8,918,452	$8,982,060	$0	$0	$0	$5,547	$2,670	$0	$0	$1,407	$2,713	$2,713	$2,713	$2,713	$0	$1,031	$1,989	$1,989	$1,989	$1,989	$1,989
PECAN GROVE MUD #1	BRAZOS	FORT BEND	08429900007912	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,354,180	$3,354,180	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
PECAN GROVE MUD #1	SAN JACINTO-BRAZOS	FORT BEND	08429900012911	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$12,605,820	$12,605,820	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
PINE ISLAND	BRAZOS	WALLER	08093800023712	$0	$0	$0	$145,096	$0	$158,320	$0	$0	$0	$0	$0	$106,185	$33,450	$0	$443,020	$0	$5,958	$12,327	$13,149	$15,820	$19,517	$0	$2,914	$6,029	$9,344	$13,765	$18,899	$0	$2,136	$4,420	$6,851	$10,092	$13,849	$18,606
PINE TRAILS UTILITY	SAN JACINTO	HARRIS	08430200010110	$450,836	$0	$155,020	$0	$20,064	$0	$21,895	$0	$48,462	$48,462	$0	$226,735	$79,340	$0	$1,050,814	$40,905	$51,345	$19,728	$19,220	$19,569	$21,049	$5,231	$7,944	$10,284	$11,920	$13,537	$15,434	$5,279	$7,563	$9,576	$11,221	$12,817	$14,708	$16,604
PINEY POINT VILLAGE	HARRIS	HARRIS	08048800010110	$773,865	$0	$265,096	$0	$0	$0	$0	$0	$48,462	$48,462	$0	$373,169	$125,469	$0	$1,661,757	$13,176	$13,285	$43,762	$13,568	$0	$0	$0	$12,904	$24,076	$31,433	$42,418	$54,760	$7,115	$18,539	$19,587	$21,142	$22,114	$23,641	$25,169
PLANTATION MUD	SAN JACINTO-BRAZOS	FORT BEND	08430300007911	$230,458	$0	$79,281	$0	$122,643	$0	$133,898	$0	$48,485	$48,485	$0	$198,198	$70,354	$0	$931,802	$0	$31,487	$61,816	$42,481	$17,196	$7,271	$0	$6,764	$19,296	$21,316	$22,154	$22,524	$0	$5,525	$15,028	$10,558	$8,741	$8,005	$7,269
PLEAK	BRAZOS	FORT BEND	08105300007912	$0	$0	$0	$538,150	$0	$492,625	$0	$0	$0	$0	$0	$360,761	$113,644	$0	$1,505,149	$0	$36,974	$58,396	$48,268	$59,496	$72,944	$0	$14,557	$29,479	$29,929	$29,929	$29,929	$0	$14,665	$13,260	$17,951	$23,665	$29,379	$34,077
PLUM GROVE	SAN JACINTO	LIBERTY	08105400014610	$0	$0	$0	$137,351	$0	$149,899	$0	$0	$0	$0	$0	$103,530	$31,671	$0	$419,458	$0	$7,191	$13,560	$13,149	$14,382	$16,233	$0	$3,517	$6,631	$9,947	$13,660	$17,886	$0	$2,579	$4,862	$7,293	$10,018	$13,112	$16,206
POINT ACCUMBIS MUD	SAN JACINTO	MONTGOMERY	08430500017010	$0	$0	$0	$1,977,331	$0	$2,170,547	$0	$0	$0	$0	$0	$1,318,401	$415,313	$0	$5,540,675	$25,460	$87,750	$110,128	$156,031	$205,579	$312,457	$23,734	$51,240	$86,722	$109,290	$166,740	$238,261	$18,344	$38,383	$58,693	$80,516	$119,434	$172,965	$247,396
POINT BLANK	TRINITY	SAN JACINTO	08105600020408	$0	$0	$0	$20,835	$0	$22,737	$0	$0	$0	$0	$0	$15,250	$4,804	$0	$63,627	$0	$2,260	$3,904	$2,465	$1,438	$822	$0	$1,105	$1,909	$2,311	$2,612	$2,713	$0	$810	$1,400	$1,694	$1,915	$1,989	$1,989	$1,989
PORTER WSC	SAN JACINTO	MONTGOMERY	08430700017010	$0	$0	$0	$1,724,509	$0	$1,885,589	$0	$0	$0	$0	$0	$1,259,539	$396,666	$0	$5,253,903	$0	$159,066	$191,581	$214,195	$160,826	$84,772	$32,337	$93,571	$181,703	$203,862	$227,514	$247,730	$23,794	$57,238	$92,818	$134,512	$150,760	$164,936	$179,112
PRAIRIE VIEW	BRAZOS	WALLER	08048500023712	$0	$0	$0	$460,330	$0	$502,750	$0	$0	$0	$0	$0	$337,078	$106,184	$0	$1,406,342	$0	$16,845	$36,565	$42,519	$51,553	$63,247	$0	$8,237	$17,880	$24,027	$43,083	$59,944	$0	$6,641	$13,117	$21,289	$31,602	$43,978	$58,354
PRAIRIE VIEW	SAN JACINTO	WALLER	08048500023710	$0	$0	$0	$50,931	$0	$55,580	$0	$0	$0	$0	$0	$37,279	$11,743	$0	$155,533	$0	$0	$1,849	$4,109	$4,725	$5,547	$6,985	$0	$904	$2,010	$3,215	$4,723	$6,632	$0	$663	$1,473	$2,357	$3,462	$4,862	$6,468
RAYFORD ROAD MUD	SAN JACINTO	MONTGOMERY	08431200017010	$1,707,556	$0	$577,810	$0	$632,334	$0	$695,100	$0	$48,485	$48,485	$0	$1,264,666	$443,640	$0	$5,381,274	$73,640	$169,061	$390,525	$300,103	$0	$0	$0	$38,347	$82,368	$130,864	$130,864	$130,864	$0	$30,894	$60,847	$50,451	$42,112	$44,914	$46,728	$48,530
RICHMOND	BRAZOS	FORT BEND	08050000007912	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
RICHWOOD	BRAZOS	LAKE JACINTO-BRAZOS	08050100002701	$407,736	$0	$140,240	$0	$35,497	$0	$38,730	$0	$48,485	$48,485	$0	$145,409	$45,027	$0	$909,609	$0	$59,136	$5,949	$9,717	$13,572	$17,427	$1,756	$11,580	$12,738	$13,364	$14,013	$16,218	$1,768	$8,987	$9,920	$10,460	$11,566	$13,014	$14,468
RIVER PLANTATION MUD	SAN JACINTO	MONTGOMERY	08432200017010	$344,220	$0	$118,335	$0	$108,708	$332,083	$118,740	$0	$48,485	$48,485	$0	$357,730	$120,609	$0	$1,597,395	$48,258	$71,235	$22,977	$20,409	$49,380	$47,624	$86,156	$171,871	$171,871	$173,743	$178,599	$181,660	$14,512	$9,036	$10,215	$10,902	$15,716	$18,809	$21,902
RIVERSIDE WSC	TRINITY	WALKER	08432300007010	$0	$0	$0	$1,644,553	$0	$1,797,479	$0	$0	$0	$0	$0	$1,200,630	$378,272	$0	$5,010,934	$0	$0	$0	$12,944	$31,696	$18,285	$13,765	$0	$0	$5,500	$4,923	$7,234	$10,952	$0	$0	$0	$2,139	$4,641	$8,840	$11,773	$14,705
RIVERSIDE WSC	TRINITY	WALKER	08432300023608	$0	$0	$0	$84,108	$0	$91,792	$0	$0	$0	$0	$0	$61,565	$19,394	$0	$256,859	$0	$0	$0	$1,027	$10,067	$13,765	$12,327	$0	$0	$501	$2,554	$4,923	$7,234	$10,952	$0	$0	$0	$368	$1,610	$5,304	$8,029	$10,753
ROLLING FORK PUD	SAN JACINTO	HARRIS	08441100010110	$553,811	$0	$190,310	$0	$0	$0	$0	$0	$48,462	$48,462	$0	$260,443	$89,959	$0	$1,191,447	$34,725	$78,522	$57,137	$37,638	$7,419	$7,716	$4,293	$11,534	$13,751	$14,466	$14,984	$15,748	$2,248	$11,541	$13,751	$14,463	$14,979	$15,740	$16,501
ROMAN FOREST	MONTGOMERY	MONTGOMERY	08433200017010	$0	$0	$0	$1,608,053	$0	$1,770,153	$0	$0	$0	$0	$0	$1,182,272	$377,452	$0	$4,933,931	$19,104	$125,096	$140,781	$125,066	$169,843	$213,769	$24,154	$9,343	$37,186	$70,391	$105,873	$153,154	$209,551	$6,851	$27,330	$35,786	$47,033	$61,917	$77,179	$154,844
ROSENBERG	BRAZOS	FORT BEND	08051800007912	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SAN FELIPE	AUSTIN	AUSTIN	08095400006812	$0	$0	$0	$40,127	$0	$44,201	$0	$0	$0	$0	$0	$29,371	$9,252	$0	$122,541	$0	$4,332	$7,161	$4,520	$2,260	$1,849	$0	$2,513	$3,517	$4,321	$4,622	$5,225	$0	$1,547	$2,576	$3,383	$3,831	$4,279	$4,727
SAN JACINTO WSC	TRINITY	SAN JACINTO	08432800020408	$0	$0	$0	$139,656	$0	$152,425	$0	$0	$0	$0	$0	$102,229	$32,203	$0	$426,513	$0	$13,970	$25,064	$17,874	$10,067	$5,342	$0	$6,831	$12,257	$15,572	$17,180	$18,185	$0	$5,009	$8,987	$11,418	$12,597	$13,333	$14,069
SAN LEON MUD	SAN JACINTO-BRAZOS	GALVESTON	08074300008411	$1,064,689	$0	$362,656	$0	$0	$0	$0	$0	$48,485	$48,485	$0	$502,234	$191,684	$0	$2,200,954	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SANTA FE	SAN JACINTO-BRAZOS	GALVESTON	08074300008411	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SEABROOK	SAN JACINTO-BRAZOS	HARRIS	08045400010011	$2,556,573	$0	$870,277	$0	$67,131	$0	$73,269	$0	$48,462	$48,462	$0	$1,250,306	$401,722	$0	$5,321,227	$169,640	$0	$229,264	$117,927	$118,870	$116,230	$115,793	$0	$0	$39,606	$51,934	$61,155	$71,260	$18,406	$50,166	$60,424	$69,564	$79,755	$89,895
SEALY	BRAZOS	AUSTIN	08054900000812	$0	$0	$0	$0	$0	$0	$0	$0	$6,450,000	$6,450,000	$0	$0	$0	$0	$12,900,000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SHENANDOAH	SAN JACINTO	MONTGOMERY	08074500017010	$2,680,728	$0	$910,535	$0	$564,776	$0	$620,648	$0	$48,485	$48,485	$0	$1,671,840	$534,571	$0	$7,080,068	$60,902	$150,918	$462,093	$332,077	$66,271	$154,277	$29,732	$73,586	$124,054	$124,054	$135,073	$149,710	$21,879	$54,291	$52,646	$50,731	$63,720	$78,478	$93,236
SHEPHERD	SAN JACINTO	SAN JACINTO	08074600020408	$0	$0	$0	$97,914	$0	$103,315	$0	$0	$0	$0	$0	$71,602	$22,556	$0	$305,343	$0	$0	$11,094	$19,106	$11,505	$9,164	$4,585	$0	$0	$5,445	$9,344	$11,052	$12,356	$13,062	$0	$3,979	$6,853	$8,103	$9,061	$10,019	$10,977
SHOREACRES	BRAZOS	HARRIS	08053800010111	$0	$0	$0	$0	$2,315	$0	$2,526	$0	$0	$0	$0	$1,695	$534	$0	$7,070	$0	$0	$411	$616	$205	$0	$0	$0	$301	$301	$301	$301	$0	$147	$221	$221	$221	$221	$221
SIENNA PLANTATION MUD #2	SAN JACINTO	FORT BEND	08433400007912	$664,726	$0	$223,117	$0	$0	$0	$0	$0	$48,485	$48,485	$0	$332,496	$100,360	$0	$1,406,669	$0	$56,010	$118,066	$66,799	$4,748	$0	$0	$17,790	$31,105	$18,899	$18,899	$18,899	$0	$6,767	$18,171	$18,956	$18,956	$18,956	$18,956
SIMONTON	BRAZOS	FORT BEND	08106200007912	$0	$0	$0	$0	$380,994	$416,011	$0	$0	$0	$0	$0	$278,952	$87,873	$0	$1,163,830	$0	$16,023	$35,538	$31,636	$36,768	$53,809	$0	$7,836	$17,378	$23,305	$35,356	$49,612	$0	$5,746	$12,744	$17,090	$25,930	$36,391	$47,852
SOUTH HOUSTON	HARRIS	HARRIS	08456900010110	$0	$0	$0	$0	$36,298	$39,585	$0	$0	$0	$0	$0	$26,547	$8,363	$0	$110,758	$0	$0	$0	$9,656	$5,342	$0	$0	$0	$4,722	$4,722	$4,722	$4,722	$0	$1,547	$3,452	$4,722	$5,992	$7,262	$8,532
SOUTHERN MONTGOMERY COUNTY MUD	SAN JACINTO	MONTGOMERY	08433900017010	$1,814,583	$0	$613,326	$0	$661,228	$0	$729,283	$0	$48,485	$48,485	$0	$1,336,447	$428,917	$0	$5,680,754	$64,578	$177,028	$430,697	$318,246	$0	$0	$0	$31,520	$86,182	$137,680	$137,680	$137,680	$23,204	$63,794	$53,775	$46,286	$49,969	$53,186	$56,403
SOUTHSIDE PLACE	HARRIS	HARRIS	08057200010110	$29,843	$0	$9,852	$0	$81,795	$0	$89,266	$0	$0	$0	$0	$59,871	$18,860	$0	$249,792	$0	$0	$3,493	$7,602	$10,478	$14,178	$0	$0	$1,708	$3,718	$6,833	$10,651	$0	$0	$1,252	$2,726	$5,009	$7,908	$10,808
SOUTHWEST UTILITIES	SAN JACINTO-BRAZOS	BRAZORIA	08430300002011	$0	$0	$0	$5,402	$0	$5,895	$0	$0	$0	$0	$0	$3,954	$1,246	$0	$16,496	$0	$0	$0	$0	$205	$616	$1,233	$0	$0	$301	$703	$703	$0	$0	$0	$0	$74	$221	$516
SOUTHWEST UTILITIES	SAN JACINTO	HARRIS	08430300010110	$780,099	$0	$268,061	$0	$0	$0	$0	$0	$48,462	$48,462	$0	$366,856	$123,480	$0	$1,635,419	$34,430	$84,226	$71,106	$33,610	$23,417

Region H
Table 4C-2: WUG-Level Project Costs

WUG Name	wug_basin	WUG County	Annual Costs for Municipal Conservation						Annual Costs for Irrigation Conservation						Project-Specific Annual Costs						Total Annual Cost					
			2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060
MONTGOMERY COUNTY MUD #19	SAN JACINTO	MONTGOMERY	$5,050	$5,050	$5,050	$5,050	$5,050	$5,050	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$35,413	$68,432	$129,240	$109,600	$40,716	$41,060
MONTGOMERY COUNTY MUD #8	SAN JACINTO	MONTGOMERY	$15,550	$20,215	$24,569	$25,813	$25,502	$25,502	$0	$0	$0	$0	$0	$0	$1,004,776	$1,004,776	$481,669	$481,669	$481,669	$481,669	$1,074,584	$1,549,679	$1,115,771	$1,088,137	$1,023,695	$802,754
MONTGOMERY COUNTY MUD #9	SAN JACINTO	MONTGOMERY	$8,888	$12,120	$15,353	$16,766	$17,170	$17,372	$0	$0	$0	$0	$0	$0	$1,004,776	$1,004,776	$481,669	$481,669	$481,669	$481,669	$1,096,027	$1,531,072	$1,143,288	$1,183,643	$1,094,783	$833,147
MONTGOMERY COUNTY UD #2	SAN JACINTO	MONTGOMERY	$6,262	$6,262	$6,060	$6,060	$6,060	$6,060	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$43,076	$83,303	$84,432	$77,462	$80,762	$84,896
MONTGOMERY COUNTY UD #3	SAN JACINTO	MONTGOMERY	$9,019	$9,330	$10,263	$11,507	$13,373	$15,861	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$40,142	$79,163	$93,615	$157,208	$164,733	$112,534
MONTGOMERY COUNTY UD #4	SAN JACINTO	MONTGOMERY	$18,038	$18,038	$17,727	$17,416	$17,416	$17,416	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$81,391	$151,941	$154,918	$232,575	$221,523	$113,557
MONTGOMERY COUNTY WCID #1	SAN JACINTO	MONTGOMERY	$9,330	$9,641	$10,574	$12,129	$13,995	$16,483	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$41,212	$81,371	$96,550	$109,178	$136,497	$170,647
NASSAU BAY	SAN JACINTO-BRAZOS	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
NEEDVILLE	BRAZOS	FORT BEND	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$16,322	$36,820	$48,863	$66,994	$90,231
NEEDVILLE	BRAZOS-COLORADO	FORT BEND	$0	$5,598	$6,842	$8,086	$9,641	$11,818	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$25,716	$51,631	$67,418	$90,536	$120,693
NEW CANEY MUD	SAN JACINTO	MONTGOMERY	$14,697	$32,589	$42,600	$53,676	$69,438	$87,756	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$115,507	$239,496	$345,474	$469,895	$654,777	$896,538
NEW WAVERLY	WALKER	WALKER	$0	$2,626	$2,626	$2,626	$2,626	$2,626	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$9,079	$12,118	$8,108	$6,392	$6,392
NHCRWA	SAN JACINTO	HARRIS	$1,301,082	$1,534,796	$1,712,962	$1,810,127	$1,849,512	$1,896,578	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,301,082	$5,366,971	$9,039,872	$28,030,928	$44,733,069	$34,969,859
NORMANGEE	TRINITY	LEON	$0	$1,212	$1,414	$1,414	$1,414	$1,414	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$5,387	$7,488	$5,080	$3,980	$4,053
NORMANGEE	BRAZOS	LEON	$0	$656	$656	$656	$656	$656	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$2,125	$3,263	$2,367	$1,677	$1,751
NORMANGEE	TRINITY	MADISON	$202	$202	$202	$202	$202	$202	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$202	$961	$1,340	$929	$1,104	$1,104
NORTH BELT UD	SAN JACINTO	HARRIS	$8,397	$11,196	$13,684	$15,861	$18,660	$21,148	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$50,900	$156,775	$195,823	$188,640	$209,529	$235,673
NORTH GREEN MUD	SAN JACINTO	HARRIS	$6,531	$7,153	$7,464	$8,086	$8,708	$9,330	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$38,413	$98,977	$104,048	$80,196	$78,013	$84,570
NORTHWEST HARRIS COUNTY MUD #23	SAN JACINTO	HARRIS	$10,885	$13,373	$16,172	$18,660	$21,459	$23,947	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$64,385	$190,321	$232,062	$214,762	$233,192	$262,574
NORTHWEST PARK MUD	SAN JACINTO	HARRIS	$39,192	$46,221	$46,221	$45,369	$44,943	$44,943	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$287,958	$845,670	$841,950	$538,707	$465,612	$465,612
OAK RIDGE NORTH	SAN JACINTO	MONTGOMERY	$12,751	$13,995	$16,483	$19,904	$23,947	$29,234	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$56,392	$117,206	$243,889	$214,924	$137,314	$196,476
OLD RIVER-WINFREE	TRINITY	CHAMBERS	$3,732	$4,043	$4,354	$4,665	$4,976	$5,287	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$65,191	$301,096	$283,454	$126,319	$134,286	$145,620
ONALASKA	TRINITY	POLK	$0	$2,626	$2,626	$3,232	$3,434	$3,636	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$17,810	$29,779	$29,937	$33,741	$36,359
ONALASKA WSC	TRINITY	POLK	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,519	$2,657	$1,466	$1,145	$4,256
ORBIT SYSTEMS INC	BRAZOS-COLORADO	BRAZORIA	$0	$933	$1,244	$1,244	$1,555	$1,555	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$2,830	$5,799	$7,809	$9,339	$11,111
ORBIT SYSTEMS INC	SAN JACINTO-BRAZOS	BRAZORIA	$0	$8,397	$9,641	$10,574	$11,818	$13,062	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$31,932	$56,707	$68,057	$80,097	$96,896
ORBIT SYSTEMS INC	SAN JACINTO-BRAZOS	FORT BEND	$311	$311	$311	$311	$311	$311	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$311	$5,879	$14,231	$13,190	$10,236	$12,499
OYSTER CREEK	SAN JACINTO-BRAZOS	BRAZORIA	$3,636	$4,040	$4,848	$5,252	$5,656	$6,060	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$31,797	$79,794	$68,091	$43,299	$47,831	$54,629
PANORAMA VILLAGE	SAN JACINTO	MONTGOMERY	$7,272	$7,676	$7,878	$8,282	$8,686	$9,090	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$50,534	$102,921	$197,017	$167,272	$65,172	$73,329
PARKWAY UD	SAN JACINTO	HARRIS	$3,434	$3,232	$3,232	$3,232	$3,030	$3,030	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$56,859	$56,559	$14,012	$13,914	$13,586	$13,638
PASADENA	SAN JACINTO	HARRIS	$215,982	$235,578	$253,257	$272,214	$292,662	$315,666	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$215,982	$290,599	$258,360	$347,540	$340,878	$363,882
PASADENA	SAN JACINTO-BRAZOS	HARRIS	$60,492	$65,817	$70,929	$76,254	$82,005	$88,395	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$60,492	$81,001	$100,158	$97,265	$95,414	$101,804
PATTON VILLAGE	SAN JACINTO	MONTGOMERY	$1,010	$1,010	$1,212	$1,212	$1,616	$1,818	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$6,704	$13,157	$15,972	$18,933	$23,846	$31,563
PEARLAND	SAN JACINTO-BRAZOS	BRAZORIA	$46,008	$114,594	$134,403	$153,147	$174,021	$195,990	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$10,730,935	$10,760,748	$6,856,993	$7,093,688	$7,118,695	$7,142,614
PEARLAND	SAN JACINTO-BRAZOS	HARRIS	$1,704	$3,434	$4,473	$4,899	$5,538	$5,964	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$399,670	$389,347	$233,741	$201,683	$176,676	$152,757
PECAN GROVE MUD #1	BRAZOS	FORT BEND	$24,495	$34,506	$34,932	$35,358	$36,423	$37,914	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$391,302	$391,302	$197,303	$197,303	$197,303	$197,303
PECAN GROVE MUD #1	SAN JACINTO-BRAZOS	FORT BEND	$6,603	$9,159	$9,372	$9,372	$9,585	$10,011	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,470,609	$1,470,609	$743,554	$743,554	$743,554	$743,554
PINE ISLAND	BRAZOS	WALLER	$0	$1,516	$2,020	$2,424	$2,828	$3,434	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$12,624	$24,196	$31,768	$42,905	$56,689
PINE TRAILS UTILITY	SAN JACINTO	HARRIS	$17,416	$18,660	$19,904	$21,148	$22,392	$23,947	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$68,881	$85,512	$59,492	$63,524	$68,315	$75,139
PINEY POINT VILLAGE	SAN JACINTO	HARRIS	$23,636	$24,258	$25,191	$26,124	$26,746	$27,990	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$168,668	$179,045	$78,737	$82,266	$84,193	$88,727
PLANTATION MUD	SAN JACINTO-BRAZOS	FORT BEND	$10,574	$10,263	$9,952	$9,952	$9,952	$9,952	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$10,574	$54,040	$106,092	$84,307	$58,044	$47,752
PLEAK	BRAZOS	FORT BEND	$0	$7,272	$8,686	$10,100	$11,918	$14,140	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$31,185	$76,999	$110,249	$148,357	$195,377
PLUM GROVE	SAN JACINTO	LIBERTY	$0	$2,020	$2,222	$2,626	$3,030	$3,636	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$15,306	$27,275	$33,015	$41,095	$50,864
POINT AQUARIUS MUD	SAN JACINTO	MONTGOMERY	$13,664	$16,794	$24,258	$32,655	$44,162	$57,224	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$60,738	$142,348	$249,301	$379,492	$540,829	$719,046
POINT BLANK	TRINITY	SAN JACINTO	$0	$1,010	$1,212	$1,212	$1,212	$1,212	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$5,186	$8,425	$7,682	$7,177	$6,786
PORTER WSC	SAN JACINTO	MONTGOMERY	$26,199	$28,181	$36,423	$45,156	$44,738	$44,738	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$148,517	$323,020	$446,419	$575,570	$560,210	$517,570
PRAIRIE VIEW	BRAZOS	WALLER	$0	$2,488	$2,799	$2,799	$3,110	$3,421	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$33,611	$70,356	$65,634	$129,346	$170,590
PRAIRIE VIEW	SAN JACINTO	WALLER	$0	$22,392	$24,258	$26,435	$28,923	$32,033	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$25,838	$31,850	$36,732	$42,655	$50,512
RAYFORD ROAD MUD	SAN JACINTO	MONTGOMERY	$31,098	$30,885	$30,672	$30,672	$30,672	$30,672	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$176,372	$343,189	$602,522	$503,751	$506,447	$538,264
RICHMOND	BRAZOS	FORT BEND	$0	$38,127	$45,369	$52,185	$64,113	$77,319	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$38,127	$45,369	$52,185	$64,113	$77,319
RICHWOOD	SAN JACINTO-BRAZOS	BRAZORIA	$12,440	$13,062	$13,684	$14,306	$14,928	$15,861	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$44,946	$118,748	$95,479	$143,458	$50,208	$99,732
RIVER PLANTATION MUD	SAN JACINTO	MONTGOMERY	$15,550	$15,239	$14,928	$14,928	$14,928	$14,928	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$164,476	$267,381	$219,991	$219,982	$258,581	$263,021
RIVERSIDE WSC	TRINITY	SAN JACINTO	$0	$3,421	$4,043	$4,979	$5,598	$6,220	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$14,429	$27,958	$44,569	$50,352	$52,540
RIVERSIDE WSC	TRINITY	WALKER	$0	$0	$1,595	$7,153	$7,464	$8,086	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,452	$25,753	$33,767	$39,394
ROLLING FORK PUD	SAN JACINTO	HARRIS	$7,878	$8,080	$8,484	$8,686	$9,090	$9,494	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$51,104	$109,677	$93,118	$55,253	$46,472	$48,698
ROMAN FOREST	SAN JACINTO	MONTGOMERY	$9,952	$15,550	$22,081	$28,923	$38,564	$49,760	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$45,248	$156,189	$269,324	$353,515	$474,486	$627,335
ROSENBERG	BRAZOS	FORT BEND	$31,950	$105,861	$131,208	$157,194	$192,552	$234,513	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$31,950	$105,861	$131,208	$157,194	$192,552	$234,513
SAN FELIPE	BRAZOS	AUSTIN	$0	$1,616	$1,818	$1,818	$2,020	$2,020	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$9,588	$15,104	$13,827	$12,089	$12,925
SAN JACINTO WSC	TRINITY	SAN JACINTO	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$25,810	$46,308	$44,864	$39,844	$36,860
SAN LEON MUD	SAN JACINTO-BRAZOS	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$253,564	$253,942	$62,258	$62,053	$62,053
SANTA FE	SAN JACINTO-BRAZOS	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SEABROOK	SAN JACINTO-BRAZOS	HARRIS	$32,599	$38,766	$44,304	$50,481	$56,222	$62,409	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$256,168	$346,581	$263,431	$291,938	$313,286	$339,366
SEALY	BRAZOS	AUSTIN	$0	$30,167	$34,832	$37,009	$38,253	$40,119	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$783,504	$783,504	$221,164	$221,164	$238,451	$0
SHENANDOAH	SAN JACINTO	MONTGOMERY	$32,344	$37,631	$43,851	$50,382	$59,401	$70,286	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$144,858	$316,426	$622,644	$537,244	$324,465	$452,751
SHEPHERD	TRINITY	SAN JACINTO	$0	$4,060	$4,444	$4,646	$4,848	$5,050	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$24,537	$39,745	$35,306	$32,431	$31,599
SHOREACRES	SAN JACINTO-BRAZOS	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$759	$1,138	$727	$522	$522
SIENNA PLANTATION MUD #2	SAN JACINTO-BRAZOS	FORT BEND	$19,503	$22,392	$22,392	$22,392	$22,392	$22,392	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$19,503	$94,026	$176,740	$127,046	$64,995	$60,247
SIMONTON	BRAZOS	FORT BEND	$0	$0	$0	$7,676	$9,090	$10,908	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$29,605	$65,660	$79,707	$107,144	$150,720
SOUTH HOUSTON	SAN JACINTO	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$7,972	$17,840	$13,526	$8,184	$8,184
SOUTHERN MONTGOMERY COUNTY MUD	SAN JACINTO	MONTGOMERY	$25,773	$32,376	$32,589	$33,654	$34,080	$34,932	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$145,075	$359,380	$654,741	$535,896	$221,729	$225,798
SOUTHSIDE PLACE	SAN JACINTO	HARRIS	$1,212	$4,848	$5,050	$5,454	$5,656	$6,060	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,212	$16,864	$22,537	$16,466	$19,213	$20,880
SOUTHWEST UTILITIES	SAN JACINTO-BRAZOS	BRAZORIA	$0	$622	$1,244	$1,555	$1,555	$1,555	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$622	$1,244	$1,934	$2,693	$4,007
SOUTHWEST UTILITIES	SAN JACINTO	HARRIS	$8,946	$10,011	$11,289	$12,141	$13,419	$14,484	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$51,779	$119,218	$114,454	$81,893	$76,667	$83,588
SOUTHWEST UTILITIES	SAN JACINTO	LIBERTY	$0	$311	$311	$311	$311	$311	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,070	$1,830	$2,178	$2,905	$3,945
SOUTHWEST UTILITIES	SAN JACINTO	MONTGOMERY	$4,666	$5,287	$6,531	$8,086	$9,952	$12,440	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$20,987	$44,004	$60,706	$77,089	$103,379	$137,197
SPLENDORA	SAN JACINTO	MONTGOMERY	$2,020	$2,424	$3,232	$4,242	$5,656	$7,272	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$14,547	$33,929	$49,973	$69,936	$101,937	$137,065
SPRING CREEK UD	SAN JACINTO	MONTGOMERY	$9,952	$11,196	$14,928	$18,971	$24,880	$31,411	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$44,490	$96,200	$215,538	$202,339	$152,498	$219,790
SPRING VALLEY	SAN JACINTO	HARRIS	$16,483	$17,105	$17,416	$18,038	$18,660	$19,593	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$67,556	$141,180	$123,367	$75,747	$64,822	$68,306
STAFFORD	SAN JACINTO	FORT BEND	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
STAFFORD	SAN JACINTO-BRAZOS	FORT BEND	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
STAFFORD	SAN JACINTO	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
STANLEY LAKE MUD	SAN JACINTO	MONTGOMERY	$13,664	$16,794	$16,794	$16,483	$16,483	$16,483	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$61,497	$141,594	$151,389	$219,439	$209,215	$106,839
STEAM ELECTRIC POWER	TRINITY-SAN JACINTO	CHAMBERS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
STEAM ELECTRIC POWER	BRAZOS	FORT BEND	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
STEAM ELECTRIC POWER	SAN JACINTO-BRAZOS	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$961,950	$2,610,816	$2,933,615	$2,836,673	$3,624,471	$4,496,654
STEAM ELECTRIC POWER	SAN JACINTO	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$6,970,587	$11,147,281	$15,685,594	$18,051,177	$17,739,996
STEAM ELECTRIC POWER	SAN JACINTO-BRAZOS	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$554,054	$1,732,692	$1,653,555	$2,630,178	$2,671,173	$1,475,665
STEAM ELECTRIC POWER	SAN JACINTO	MONTGOMERY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$384,291	$367,642	$153,318	$598,132	$1,506,780
STEAM ELECTRIC POWER	TRINITY	LIBERTY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$468,794	$737,753	$809,640	$1,058,209	$1,357,694
SUGAR LAND	SAN JACINTO-BRAZOS	FORT BEND	$0	$181,902	$186,588	$185,736	$185,736	$185,736	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$181,902	$186,588	$185,736	$185,736	$185,736
SUGAR LAND	BRAZOS	FORT BEND	$0	$133,125	$136,533	$135,894	$135,894	$135,894	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$133,125	$136,533	$135,894	$135,894	$135,894
SUGAR LAND	SAN JACINTO	FORT BEND	$0	$13,419	$13,632	$13,632	$13,632	$13,632	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$13,419	$13,632	$13,632	$13,632	$13,632
SUNBELT FWSD	SAN JACINTO	HARRIS	$60,705	$70,503	$79,875	$89,886	$99,684	$110,121	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$182,419	$620,317	$1,345,838	$1,593,029	$1,503,468	$1,551,576
SURFSIDE BEACH	BRAZOS	BRAZORIA	$0	$2,020	$2,424	$2,626	$2,828	$3,030	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$6,195	$13,432	$18,207	$21,924	$26,779
SWEENY	BRAZOS-COLORADO	BRAZORIA	$0	$9,330	$12,440	$12,751	$13,373	$13,995	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$9,330	$18,893	$26,797	$35,693	$46,630
TAYLOR LAKE VILLAGE	SAN JACINTO-BRAZOS	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
TEXAS CITY	SAN JACINTO-BRAZOS	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,637,215	$1,637,215	$446,195	$446,195	$446,195
THE WOODLANDS	SAN JACINTO	MONTGOMERY	$198,006	$359,118	$382,548	$380,844	$378,927	$378,927	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,047,973	$3,958,418	$3,919,988	$1,800,701	$1,532,735	$1,555,399
TIKI ISLAND	SAN JACINTO-BRAZOS	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$867,835	$868,594	$275,924	$275,513	$275,513
TOMBALL	SAN JACINTO	HARRIS	$35,358	$44,517	$51,972	$65,178	$75,189	$89,460	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$268,632	$816,598	$970,732	$1,037,897	$1,155,834	$1,354,103
TRAIL OF THE LAKES MUD	SAN JACINTO	HARRIS	$19,170	$18,531	$18,318	$18,105	$18,105	$18,105	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$145,612	$349,349	$329,631	$217,381	$190,887	$190,887
TRINITY	TRINITY	TRINITY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$759	$612	$201	$201	$201
TRINITY BAY CONSERVATION DISTRICT	NECHES-TRINITY	CHAMBERS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
TRINITY BAY CONSERVATION DISTRICT	TRINITY	CHAMBERS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
TRINITY RURAL WSC	TRINITY	POLK	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
TRINITY RURAL WSC	TRINITY	TRINITY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
TRINITY RURAL WSC	TRINITY	WALKER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
VARNER CREEK UD	BRAZOS	BRAZORIA	$0	$4,848	$5,454	$6,262	$7,070	$7,878	$0	$0	$0	$0	$0	$0	$0

Attachment L:

Summary of database entries anticipated for DB12

DB12 Entries: Dow Off-Channel Reservoir and Pump Station Expansion

WMS Project

Sponsor Region:	H
WMS Project ID:	H52-DOWOCR
WMS Project Name:	DOW OFF-CHANNEL RESERVOIR AND PUMP STATION EXPANSION
WMS Description:	Dow off-channel Reservoir .
WMS Type:	N : NEW SURFACE WATER OR NEW GROUNDWATER SOURCE
WMS Infrastructure:	NO INFRASTRUCTURE
Additional RWPGs:	None
Inclued in State Water Plan:	Y

Source(s)

Source Region	Source Name	County Name	Basin Name	Source ID	Source Type
H	AZOS RIVER RUN-OF-RI	BAZORIA	BRAZOS	3461205328B	SW
Is Source Supply selected for Rollup?			Y		
Is Source Cost selected for Rollup?			Y		

County Name:	BRAZORIA	**Water Quality Improvements**	A : NO WATER QUALITY IMPROVEME
County ID:	020	**Online Data**	2020
Basin Name:	BRAZOS	**WMS Funding Date**	2020
Basin ID:	12		
Include in State Water Plan?		Y	
Include WMS Source Total Yield numbers in WMS Project Total Yield Rollup?		Y	
Include WMS Source Cost numbers in WMS Project Cost Rollup?		Y	

1.

Sponsor Region:	**WWP Name:**					
H	DOW CHEMICAL USA					
	2010:	**2020:**	**2030:**	**2040:**	**2050:**	**2060:**
Total Strategy Supply Volume for this WWP:	0	80,000	80,000	80,000	80,000	80,000

Recommendation Type?	**Is Used to Meet Need?**				**IBT?**	
Recommended	Y				N	
Include WWP WMS Cost numbers in WMS Source Cost Rollup?	Y					
	2010:	**2020:**	**2030:**	**2040:**	**2050:**	**2060:**
WWP WMS Annual Cost:	$0	$20,306,000	$20,306,000	$20,306,000	$14,405,000	$14,405,000
WWP Capital Costs:	$226,837,000					
Term of Debt Service:	50					

DB12 Entries: Dow to BWA Contract

WMS Project

Sponsor Region:	H
WMS Project ID:	
WMS Project Name:	DOW TO BWA CONTRACT
WMS Description:	Dow Chemical to BWA contract
WMS Type:	N : NEW SURFACE WATER OR NEW GROUNDWATER SOURCE
WMS Infrastructure:	NO INFRASTRUCTURE
Additional RWPGs:	None
Inclued in State Water Plan:	Y

Source(s)

Source Region	Source Name	County Name	Basin Name	Source ID	Source Type
H	AZOS RIVER RUN-OF-RI	BAZORIA	BRAZOS	3461205328B	SW
Is Source Supply selected for Rollup?			Y		
Is Source Cost selected for Rollup?			Y		

County Name:	BRAZORIA	**Water Quality Improvements**	A : NO WATER QUALITY IMPROVEME
County ID:	020	**Online Data**	2020
Basin Name:	BRAZOS	**WMS Funding Date**	2020
Basin ID:	12		
Include in State Water Plan?		Y	
Include WMS Source Total Yield numbers in WMS Project Total Yield Rollup?		Y	
Include WMS Source Cost numbers in WMS Project Cost Rollup?		Y	

1.

Sponsor Region:	**WWP Name:**					
H	BRAZOSPORT WATER AUTHORITY					
	2010:	**2020:**	**2030:**	**2040:**	**2050:**	**2060:**
Total Strategy Supply Volume for this WWP:	0	8,569	8,569	8,569	8,569	8,569

Recommendation Type?	**Is Used to Meet Need?**				**IBT?**	
Recommended	Y				N	
Include WWP WMS Cost numbers in WMS Source Cost Rollup?	Y					
	2010:	**2020:**	**2030:**	**2040:**	**2050:**	**2060:**
WWP WMS Annual Cost:	$0	$0	$0	$0	$0	$0
WWP Capital Costs:	$0					
Term of Debt Service:	0					

DB12 Entries: Dow to WUG Contract

WMS Project

Sponsor Region:	H
WMS Project ID:	H07-WUGC23
WMS Project Name:	DOW TO WUG CONTRACT
WMS Description:	Dow Chemical to WUG contract
WMS Type:	N : NEW SURFACE WATER OR NEW GROUNDWATER SOURCE
WMS Infrastructure:	NO INFRASTRUCTURE
Additional RWPGs:	None
Inclued in State Water Plan:	Y

Source(s)

Source Region	Source Name	County Name	Basin Name	Source ID	Source Type
H	AZOS RIVER RUN-OF-RI	BAZORIA	BRAZOS	3461205328B	SW
Is Source Supply selected for Rollup?			Y		
Is Source Cost selected for Rollup?			Y		

County Name:	BRAZORIA	**Water Quality Improvements**	: NO WATER QUALITY IMPROVEME
County ID:	020	**Online Data**	2020
Basin Name:	BRAZOS	**WMS Funding Date**	2020
Basin ID:	12		
Include in State Water Plan?		Y	
Include WMS Source Total Yield numbers in WMS Project Total Yield Rollup?		Y	
Include WMS Source Cost numbers in WMS Project Cost Rollup?		Y	

1.

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	MANUFACTURING	NONE	081001020		BRAZORIA		BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	62,414	62,414	62,414	62,414	62,414
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?		IBT?
Recommended	Y		N
Seller's Name:	**Seller's Alpha:**	**WWP ID:**	**WUG ID:**
DOW CHEMICAL USA	237200	250208165	N/A
Recursive WMS Supply?:	**Recursive WMS Project ID:**		
N			
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y		

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$43,784,622	$50,808,631	$37,290,661	$33,783,225	$33,975,408
WUG Capital Costs:	$321,962,428					
Term of Debt Service:	20					

2.

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	MANUFACTURING	NONE	81001020		BRAZORIA		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	9,017	9,017	9,017	9,017	9,017
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?		IBT?
Recommended	Y		Y
Seller's Name:	**Seller's Alpha:**	**WWP ID:**	**WUG ID:**
DOW CHEMICAL USA	237200	250208165	N/A
Recursive WMS Supply?:	**Recursive WMS Project ID:**		
N			
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y		

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$8,523,262	$10,236,036	$7,162,096	$5,990,937	$6,554,803
WUG Capital Costs:	$90,336,210					
Term of Debt Service:	20					

DB12 Entries: BWA to WUG Contract

WMS Project

Sponsor Region:	H
WMS Project ID:	H07-WUG03
WMS Project Name:	BWA TO WUG CONTRACT
WMS Description:	Contract with Brazosport Water Authority
WMS Type:	N : NEW SURFACE WATER OR NEW GROUNDWATER SOURCE
WMS Infrastructure:	OTHER INFRSATRUCTURE
Additional RWPGs:	None
Inclued in State Water Plan:	Y

Source(s)

Source Region	Source Name	County Name	Basin Name	Source ID	Source Type
H	AZOS RIVER RUN-OF-RI	BAZORIA	BRAZOS	3461205328B	SW
Is Source Supply selected for Rollup?				Y	
Is Source Cost selected for Rollup?				Y	

County Name:	BRAZORIA	**Water Quality Improvements**	: NO WATER QUALITY IMPROVEME
County ID:	020	**Online Data**	2020
Basin Name:	BRAZOS	**WMS Funding Date**	2020
Basin ID:	12		
Includes in State Water Plan		Y	
Include WMS Source Total Yield numbers in WMS Project Total Yield Rollup?		Y	
Include WMS Source Cost numbers in WMS Project Cost Rollup?		Y	

1.

WUG Region:	WUG Name:	WUG Detail:	WUG ID:	County Name:	Basin Name:
H	ANGLETON	NONE	080018000	BRAZORIA	SAN JACINTO-BRAZOS

	2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:	0	994	997	1,001	1,026	1,063
Is WUG selected for Rollup?	Y					
Is WUG Cost selected for Rollup?	Y					

Recommendation Type?	Is Used to Meet Need?	IBT?
Recommended	Y	Y

Seller's Name:	Seller's Alpha:	WWP ID:	WUG ID:
BRAZOSPORT WATER AUTHORITY	2000	120208093	N/A

Recursive WMS Supply?:	Recursive WMS Project ID:
N	
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$171,671	$173,000	$48,864	$59,318	$73,816
WUG Capital Costs:	$1,738,499					
Term of Debt Service:	20					

2.

WUG Region:	WUG Name:	WUG Detail:	WUG ID:	County Name:	Basin Name:
H	BRAZORIA	NONE	080072000	BRAZORIA	BRAZOS

	2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:	0	175	175	175	175	175
Is WUG selected for Rollup?	Y					
Is WUG Cost selected for Rollup?	Y					

Recommendation Type?	Is Used to Meet Need?	IBT?
Recommended	Y	N

Seller's Name:	Seller's Alpha:	WWP ID:	WUG ID:
BRAZOSPORT WATER AUTHORITY	2000	120208093	N/A

Recursive WMS Supply?:	Recursive WMS Project ID:
N	
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$43,623	$43,623	$8,599	$8,599	$8,599
WUG Capital Costs:	$401,718					
Term of Debt Service:	20					

DB12 Entries: BWA to WUG Contract

3.

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	CLUTE	NONE	080118000		BRAZORIA		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	582	594	604	626	657
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?	IBT?
Recommended	N	Y
Seller's Name:	**Seller's Alpha:**	**WWP ID:** / **WUG ID:**
BRAZOSPORT WATER AUTHORITY	2000	120208093 / N/A

Recursive WMS Supply?:	Recursive WMS Project ID:
N	
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$122,878	$129,159	$39,529	$44,692	$54,466
WUG Capital Costs:	$1,409,074					
Term of Debt Service:	20					

4.

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	COUNTY-OTHER	NONE	080757020		BRAZORIA		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	3,173	3,501	3,273	2,999	2,579
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?	IBT?
Recommended	N	Y
Seller's Name:	**Seller's Alpha:**	**WWP ID:** / **WUG ID:**
BRAZOSPORT WATER AUTHORITY	2000	120208093 / N/A

Recursive WMS Supply?:	Recursive WMS Project ID:
N	
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$247,490	$316,781	$209,124	$185,634	$173,563
WUG Capital Costs:	$3,394,515					
Term of Debt Service:	20					

5.

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	FREEPORT	NONE	080217000		BRAZORIA		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	1,039	1,126	1,217	1,337	1,483
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?	IBT?
Recommended	N	Y
Seller's Name:	**Seller's Alpha:**	**WWP ID:** / **WUG ID:**
BRAZOSPORT WATER AUTHORITY	2000	120208093 / N/A

Recursive WMS Supply?:	Recursive WMS Project ID:
N	
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$209,181	$246,904	$124,246	$136,844	$155,999
WUG Capital Costs:	$3,334,813					
Term of Debt Service:	20					

6.

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	LAKE JACKSON	NONE	080338000		BRAZORIA		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	1,532	1,595	1,709	1,865	2,049
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?	IBT?
Recommended	N	Y
Seller's Name:	**Seller's Alpha:**	**WWP ID:** / **WUG ID:**
BRAZOSPORT WATER AUTHORITY	2000	120208093 / N/A

Recursive WMS Supply?:	Recursive WMS Project ID:
N	
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$208,804	$231,332	$122,835	$154,017	$178,383
WUG Capital Costs:	$3,178,443					
Term of Debt Service:	20					

DB12 Entries: BWA to WUG Contract

7.

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	MANUFACTURING	NONE	081001020		BRAZORIA		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	849	349	347	280	280
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?	IBT?
Recommended	N	Y
Seller's Name:	**Seller's Alpha:**	**WWP ID:**	**WUG ID:**
BRAZOSPORT WATER AUTHORITY	2000	120208093	N/A

Recursive WMS Supply?:	Recursive WMS Project ID:
N	
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$166,838	$154,561	$28,706	$56,180	$56,180
WUG Capital Costs:	$1,729,257					
Term of Debt Service:	20					

8.

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	OYSTER CREEK	NONE	080730000		BRAZORIA		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	71	77	85	95	107
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?	IBT?
Recommended	N	Y
Seller's Name:	**Seller's Alpha:**	**WWP ID:**	**WUG ID:**
BRAZOSPORT WATER AUTHORITY	2000	120208093	N/A

Recursive WMS Supply?:	Recursive WMS Project ID:
N	
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$11,008	$13,059	$7,694	$9,095	$10,566
WUG Capital Costs:	$192,361					
Term of Debt Service:	20					

9.

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	RICHWOOD	NONE	080501000		BRAZORIA		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	154	155	158	166	176
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?	IBT?
Recommended	N	Y
Seller's Name:	**Seller's Alpha:**	**WWP ID:**	**WUG ID:**
BRAZOSPORT WATER AUTHORITY	2000	120208093	N/A

Recursive WMS Supply?:	Recursive WMS Project ID:
N	
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$25,239	$25,825	$8,730	$11,291	$14,108
WUG Capital Costs:	$292,333					
Term of Debt Service:	20					

Attachment M:

Comments received regarding proposed amendment

The public comment period for this amendment concluded January 12, 2015 with no comments being received by the Region H Water Planning Group or the project sponsor.

Agenda Item 6

Receive presentation on and discuss proposal to amend the 2011 Region H Regional Water Plan related to proposed development of a system by Gulf Coast Water Authority to utilize reclaimed wastewater effluent from the City of Houston.

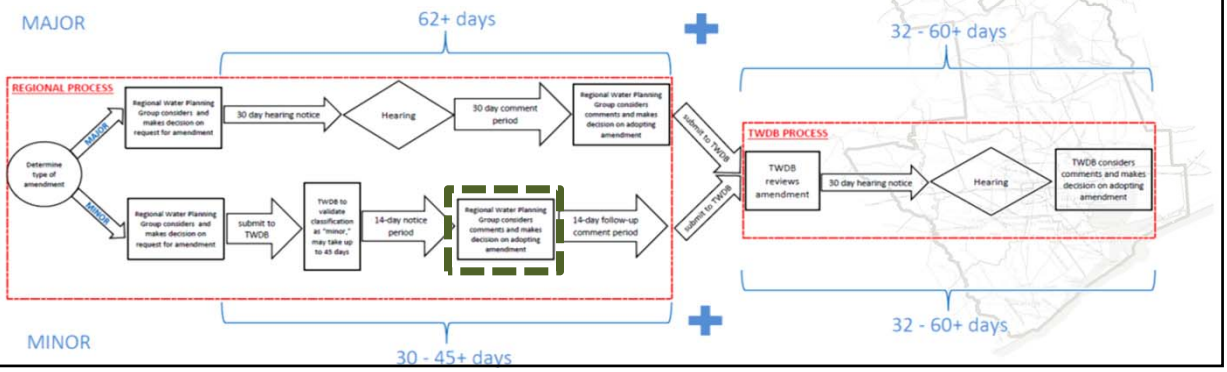
REGION H
Water Planning Group

Agenda Item 6
GCWA Amendment

Receive presentation on and discuss proposal to amend the 2011 Region H Regional Water Plan related to proposed development of a system by Gulf Coast Water Authority to utilize reclaimed wastewater effluent from the City of Houston.

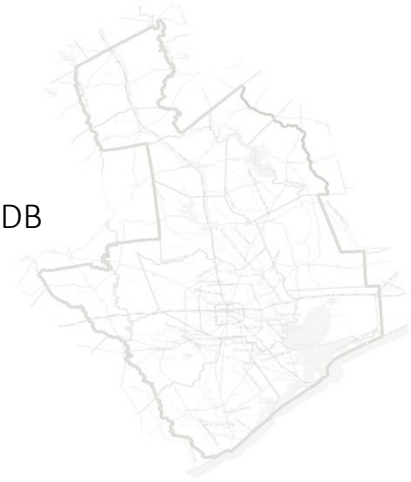
Agenda Item 6
GCWA Amendment

- Since November
  - Submitted draft amendment package to TWDB
  - Received confirmation of minor amendment status
  - Provided proper notice and posting of amendment package



Agenda Item 6
GCWA Amendment

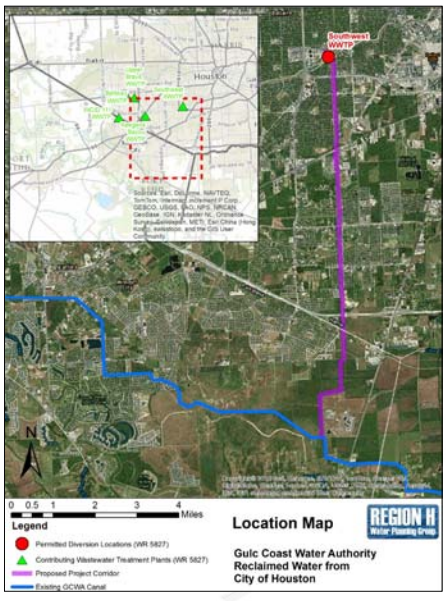
- Amendment process
  - 14-day notice has been provided
  - TODAY: Review proposed amendment
  - TODAY: Consider action on amending 2011 RWP
  - 14-day comment period
  - Submit amendment package and comments to TWDB



Agenda Item 6
GCWA Amendment

- Gulf Coast Water Authority Reclaimed Water from City of Houston

Description	Transfer of reclaimed water from the City of Houston Southwest Wastewater Plant and other treatment facilities upstream along Brays Bayou.
Quantity	Direct Intake: 30.1 MGD average Combined Intake: 50.8 MGD average
Source	Effluent from as many as five City of Houston wastewater treatment plants.
Decade	2020 (Online date in 2018)
Total Cost	Direct Intake: $53,857,800 Combined Intake: $66,840,500
Unit Cost	Direct Intake: $112 per ac-ft Combined Intake: $80 per ac-ft



Agenda Item 6
GCWA Amendment

- Gulf Coast Water Authority Reclaimed Water from City of Houston
  - Reuse source
    - City of Houston Water Right Number 5827
    - Already a supply in 2011 RWP
    - Remaining availability to accommodate GCWA project
    - Availability based on
      - Plant discharge
      - Diversion rates
      - B&E flows
      - Instream flows
  - Basis for strategy
    - Ongoing study of medium- and long-term strategies by GCWA
    - Identified from a list of over 30 strategy alternatives
    - Lower-cost, near-term option

Agenda Item 6
GCWA Amendment

- 2011 RWP amendment package
  - Revisions to Executive Summary
  - Revisions to Chapter 4
    - Appendix 4A supply allocation tables
    - Appendix 4C cost tables
    - Appendix 4E environmental flows analysis
  - New tech memorandum
    - Gulf Coast Water Authority Reclaimed Water from City of Houston
  - Revisions to Chapter 5
  - DB12 database entries

Texas Water Development Board

P.O. Box 13231, 1700 N. Congress Ave.
Austin, TX 78711-3231, www.twdb.texas.gov
Phone (512) 463-7847, Fax (512) 475-2053

December 1, 2014

Mr. Mark Evans
Region H Chair
North Harris County Regional Water Authority
3648 Cypress Creek Parkway #110
Houston, Texas 77068

Re: Region H's written request, received November 11, 2014, for a determination regarding whether or not amending the 2011 Region H Regional Water Plan to include Gulf Coast Water Authority's Purchase of Treated Effluent from the City of Houston as a recommended water management strategy would be a minor amendment under 31 TAC Section §357.51(c).

Dear Mr. Evans:

I have reviewed Region H's request, and based on Region H's request and supporting materials, have determined that adding Gulf Coast Water Authority's Purchase of Treated Effluent from the City of Houston as a new recommended water management strategy constitutes a minor amendment under 31 TAC Section §357.51(c).

If Region H adopts the proposed minor amendment, Region H will need to:

1. Provide the Texas Water Development Board (TWDB) with documentation of the planning group action adopting this water management strategy as a minor amendment;
2. Issue and distribute an amendment to the 2011 Region H Regional Water Plan updating the plan accordingly;
3. Provide TWDB with corrected DB12 data to reflect all the associated changes to the 2011 Region H Regional Water Plan and the 2012 State Water Plan; and,
4. Request that the Gulf Coast Water Authority obtain a web link from TWDB staff in order to fill out an associated online Infrastructure Financing Survey regarding how the entity plans to finance the projects associated with the amendment.

If Region H makes any substantive changes to the project components or configuration during the minor amendment process, TWDB will need to review the modified proposed amendment to ensure that the modified project still meets all of the criteria under 31 TAC §357.51(c) to qualify as a minor amendment.

If you have any questions concerning this approval or its associated requirements, please contact Lann Bookout, the TWDB's designated regional water planning project manager for this region.

Sincerely,

Kevin Patteson
Executive Administrator

cc: Mr. Jace Houston, General Manager, San Jacinto River Authority, PO Box 329, Conroe, Texas 77305
Lann Bookout, TWDB

MINOR AMENDMENT TO THE 2011 REGION H REGIONAL WATER PLAN

Gulf Coast Water Authority

Attachment	Description
A	Amended excerpts from Executive Summary including Tables ES-7 and ES-8.
B	Amended excerpts from Chapter 4: Identification, Evaluation and Selection of Water Management Strategies Based on Needs
C	Amended Table 4A-3: Water Management Strategy Screening
D	Amended Table 4A-4: Water Management Strategy Environmental Impacts
E	Amended Table 4A-5: Recommended WMS by County
F	Amended Table 4A-6: Decadal WMS Summary
G	Amended Table 4A-7: WMS Supply Allocations by WUG
H	Amended Table 4A-8: WUG-Level Contracts
I	Amended Technical Memorandum 4B-07: WWP Contracts
J	New Technical Memorandum: 4B-54: Gulf Coast Water Authority Reclaimed Water from City of Houston
K	Amended Table 4C-1: WWP-Level Project Costs
L	Amended Table 4C-2: WUG-Level Project Costs
M	Amended Appendix 4E: Environmental Flows Modeling for New WMS
N	Amended excerpts from Chapter 5: Impacts of Management Strategies on Water Quality and Impacts of Moving Water from Rural and Agricultural Areas
O	Summary of database entries anticipated for DB12

Attachment A:

Amended excerpts from Executive Summary including Tables ES-7 and ES-8

- **River Plantation MUD**
- **San Jacinto River Authority WRAP**
- **Sugar Land**
- **West Harris County Regional Water Authority**

Reservoir Strategies

- **Allen's Creek Reservoir** – This proposed reservoir creates 99,650 ac-ft/yr of supplies for the City of Houston and the Brazos River Authority.
- **Brazoria County Off-Channel Reservoir** – This proposed reservoir creates 24,000 ac-ft/yr of firm supply for manufacturing demands in Brazoria County.
- **Dow Off-Channel Reservoir** – This proposed reservoir creates 21,800 ac-ft/yr in firm supply by increasing the storage associated with an existing Dow water right.
- **Fort Bend Off**-Channel Reservoir – This proposed reservoir creates 46,000 ac-ft/yr of firm supply for municipal and industrial demands in Fort Bend County
- **GCWA Off-Channel Reservoir** – This proposed reservoir creates 39,500 ac-ft/yr of firm supply for manufacturing use served by GCWA. This reservoir uses existing water rights with surplus interruptible supply to produce this firm yield.

Reuse Strategies

- **Fulshear Reuse** – Development of a direct reuse project for the City of Fulshear and surrounding utilities.
- **GCWA Reclaimed Water from City of Houston** – Transfer of reclaimed water from the City of Houston Southwest Wastewater Treatment Plant and other treatment facilities upstream along Brays Bayou
- **Houston Indirect Wastewater Reuse**—The City of Houston has applied for a water right permit to indirectly reuse up to 580,900 ac-ft/yr of wastewater discharges. A portion of that is recommended for direct reuse to industry.
- **Montgomery County MUD 8/9 Reuse** – Indirect reuse project for potable water by districts along Lake Conroe in Montgomery County.
- **NHCRWA Indirect Wastewater Reuse** –The North Harris County Regional Water Authority has the potential to indirectly reuse up to 126,000 ac-ft/yr of wastewater discharges.
- **Wastewater Reclamation for Industry** –This strategy proposes that 67,200 ac-ft/yr of Houston's municipal wastewater be treated and directly reused by industries along the Houston Ship Channel.
- **Wastewater Reclamation for Municipal Irrigation** – This strategy anticipates the development of direct reuse project incorporated into new community growth in the rapidly-developing counties of Region H.

Permit Strategies

- **Brazos River Authority System Operations** –The Brazos River Authority has applied for a water right that permits existing additional yield within their reservoirs, and new yield that can be achieved through operation of their reservoirs as a basin-wide system. Approximately 25,350 ac-ft/yr of this water will be available for customers in Region H.

NFBWA Internal Distribution	106,402	$225,000,000	N/A	2020
NFBWA Shared Transmission Line	71,876	$213,000,000	N/A	2020
NHCRWA Internal 2010 Distribution	34,714	$153,149,640	N/A	2010
NHCRWA Internal 2020 Distribution	91,167	$345,292,192	N/A	2020
NHCRWA Internal 2030 Distribution	117,755	$37,439,584	N/A	2030
NHCRWA Transmission 2010	34,714	$80,690,624	N/A	2010
NHCRWA Transmission 2020	91,167	$172,558,512	N/A	2020
NHCRWA Transmission 2030	117,755	$0	N/A	2030
Pearland SWTP	13,420	$0	$265,000,000	TBD
Sealy GW Treatment Expansion	888	$0	$6,450,000	2020
WHCRWA Internal Distribution	78,839	$552,472,000	N/A	2010
WHCRWA Transmission Line	78,839	$290,084,193	N/A	2010
Reservoir Strategies:				
Allens Creek Reservoir	99,650	$222,752,400	See Contracts	2020
Brazoria County Off-channel Reservoir	24,100	$173,898,602	See Contracts	2060
Dow Off-channel Reservoir	21,800	$124,468,000	See Contracts	2020
Fort Bend County Off-channel Reservoir	46,000	$202,514,788	See Contracts	2050
GCWA Off-channel Reservoir	39,500	$197,448,012	See Contracts	2030
Reuse Strategies:				
Fulshear Reuse	430	$0	$566,625	TBD
GCWA Reclaimed Water from COH	56,896	$65,920,541	See Contracts	2020
Houston Indirect Reuse	128,801	$0	$721,822,850	2040
Montgomery MUD 8/9 Indirect Reuse	1,120	$0	$12,245,687	2016
NHCRWA Indirect Reuse	16,300	$0	$66,778,694	2040
Wastewater Reuse for Industry	67,200	$332,051,761	$0	2060
Wastewater Reclamation for Mun. Irrigation	36,388	$0	$48,043,249	2030
Permit Strategies:				
BRA System Operations Permit	25,400	TBD	See Contracts	2020
Houston Bayous Permit*	0	$20,956,000	$0	2020
Other Strategies:				
Brazoria Co. Interruptible Supplies for Irr.	104,977	$0	$0	2010
Freeport Desalination Plant	33,600	$255,699,000	See Contracts	2050
Brazos Saltwater Barrier	N/A	$44,470,739	$0	2030

1. WUG-level costs for a number of WMS are indicated as “See Contracts”. The WUG-level costs for these strategies will be infrastructure costs associated with implementing *future* contracts from WWPs. For simplification, these costs are collectively represented under the “WUG-Level Contracts” WMS, as common infrastructure from a WUG may treat or transmit water from multiple WMS.
2. Yield value includes surface water transmission volume and is therefore not additional yield.
3. Includes supply volume of TRA to SJRA Contract
4. The Houston Bayous Permit has not yet been approved by TCEQ.

Table ES-8
Recommended Water Management Strategies by County (in ac-ft/yr)

	2010	2020	2030	2040	2050	2060
Austin						
Initial Shortage	0	-739	-1,240	-1,496	-1,635	-1,865
Expanded GW	0	739	1,240	1,496	1,635	1,865
Municipal Conservation	0	223	251	265	273	285
Contract Expansions	0	0	0	0	0	0
Net Shortage	0	223	251	265	273	285
Brazoria						
Initial Shortage	-150,907	-186,760	-211,634	-238,588	-266,405	-299,199
Expanded GW	0	4,049	12,988	13,515	15,658	16,209
Municipal Conservation	1,476	2,610	2,978	3,249	3,567	3,918
Contract Expansions	7,750	7,750	7,750	7,750	7,750	7,750
Net Shortage	-141,681	-172,351	-187,918	-214,074	-239,430	-271,322
Irrigation Conservation	18,792	18,792	18,792	18,792	18,792	18,792
Wastewater Reclamation for Mun. Irrigation	0	0	116	227	344	465
Brazoria Co. Interruptible Supplies for Irr.	98,189	86,759	64,000	64,000	64,000	64,000
Reallocate Existing Supply	13,694	13,694	13,895	13,988	14,019	13,694
Interim Strategies	24,916	0	0	0	0	0
GCWA Offchannel Reservoir	0	0	39,500	39,500	39,500	39,500
Allens Creek Lake/Reservoir	0	45,277	41,779	66,665	58,092	66,196
BRA System Operations Permit	0	3,010	3,010	3,010	3,010	3,010
Brazoria OCR	0	0	0	0	0	24,000
Freeport Desalination Plant	0	0	0	0	33,600	33,600
Dow Offchannel Reservoir	0	21,800	21,800	21,800	21,800	21,800
New Groundwater Wells for Livestock	0	27	27	27	27	27
BWA Brackish Groundwater	0	3,136	3,136	3,136	3,136	3,136
GCWA Reclaimed Water from COH	0	6,363	6,557	7,106	7,826	8,719
Total after Recommendations	13,910	26,507	24,694	24,177	24,716	25,617
Chambers						
Initial Shortage	-42,520	-47,412	-50,831	-54,251	-57,612	-61,065
Expanded GW	0	577	681	796	905	1,010
Municipal Conservation	137	195	219	239	263	291
Contract Expansions	0	0	0	0	0	0
Net Shortage	-42,383	-46,640	-49,931	-53,216	-56,444	-59,764
Irrigation Conservation	24,018	24,018	24,018	24,018	24,018	24,018
CLCND W Chambers System	0	1,691	1,978	2,235	2,511	2,804
Reallocate Existing Supply	21,010	21,264	21,389	21,509	21,627	21,725
Interim Strategies	903	0	0	0	0	0
New Contract from Existing Supply	13,823	17,083	19,972	22,888	25,732	28,672
Total after Recommendations[1]	17,371	17,416	17,426	17,434	17,444	17,455
Fort Bend						
Initial Shortage	-86	-11,410	-52,608	-84,380	-123,623	-178,948
Expanded GW	0	6,886	3,423	3,813	4,378	5,052
Municipal Conservation	1,435	7,077	10,277	12,253	14,678	17,497
Contract Expansions	0	367	1,295	1,226	1,225	1,016
Net Shortage	1,349	2,920	-37,613	-67,088	-103,342	-155,383
Irrigation Conservation	5,197	5,197	5,197	5,197	5,197	5,197
WHCRWA GRP	0	0	0	0	0	0

	2010	2020	2030	2040	2050	2060
NFBWA GRP	0	0	0	0	0	0
Sugar Land GRP	0	488	4,921	4,835	4,915	4,961
Missouri City GRP	0	4,401	4,401	4,401	4,401	4,401
Wastewater Reclamation for Mun. Irrigation	0	0	2,136	4,744	8,403	12,277
Fort Bend MUD 25 GRP	0	589	589	589	589	589
BRA System Operations Permit	0	3,611	15,860	22,340	22,340	22,340
Fort Bend OCR	0	0	0	0	90	45,943
Allens Creek Lake/Reservoir	0	0	0	6,605	25,864	16,145
TRA to Houston Contract	0	0	13,813	27,824	39,179	39,179
Reallocate Existing Supply	0	0	4,687	4,510	3,720	13,762
Fulshear Reuse	0	287	430	430	430	430
Industrial Conservation	0	558	558	558	558	558
Total after Recommendations	6,546	18,051	14,979	14,945	12,344	10,399
Galveston						
Initial Shortage	-16,307	-16,466	-17,787	-18,738	-19,884	-21,276
Expanded GW	0	811	1,352	1,350	1,352	1,352
Municipal Conservation	768	846	886	896	903	914
Contract Expansions	0	25,630	25,630	25,630	25,630	25,630
Net Shortage	-15,539	10,821	10,081	9,138	8,001	6,620
Irrigation Conservation	2,392	2,392	2,392	2,392	2,392	2,392
New Contract from Existing Supply	16	23	26	29	33	37
Interim Strategies	6,410	0	0	0	0	0
Allens Creek Lake/Reservoir	0	12,101	13,234	14,175	15,310	16,687
New Groundwater Wells for Livestock	0	14	14	14	14	14
Interruptible Supplies for Irr.	6,788	0	0	0	0	0
GCWA Reclaimed Water from COH	0	50,533	50,339	49,790	49,070	48,177
Total after Recommendations	67	75,884	76,086	75,538	74,820	73,927
Harris						
Initial Shortage	-51,413	-194,925	-270,301	-323,711	-375,414	-458,509
Expanded GW	0	15,481	27,659	27,693	27,727	27,560
Municipal Conservation	37,292	46,836	51,902	56,748	61,656	66,947
Contract Expansions	0	108,852	66,039	51,840	42,538	31,971
Net Shortage	-14,121	-23,756	-124,701	-187,430	-243,493	-332,031
New Contract from Existing Supply	23,008	31,264	38,732	54,777	54,805	54,849
NHCRWA GRP	0	0	0	0	0	0
WHCRWA GRP	-65	-258	-409	-566	-751	-968
COH GRP	0	0	0	0	0	0
Missouri City GRP	0	386	386	386	386	386
Wastewater Reclamation for Mun. Irrigation	0	0	3,268	6,616	10,027	13,431
Reallocate Existing Supply	18,253	15,276	7,308	19,232	30,220	96,881
Interim Strategies	15	0	0	0	0	0
Allens Creek Lake/Reservoir	0	15	83	336	384	622
TRA to Houston Contract	0	0	93,744	86,519	75,164	75,164
NHCRWA Indirect Reuse	0	0	0	7,300	16,300	16,300
Wastewater Reuse for Industry	0	0	0	0	0	67,200
Houston Indirect Reuse	0	0	0	66,420	114,679	128,801
Total after Recommendations	27,090	22,927	18,411	53,590	57,721	120,635

Attachment B:

Amended excerpts from Chapter 4: Identification, Evaluation and Selection of Water Management Strategies Based on Needs

- WWP Contracts

Groundwater Strategies

- Expanded Use of Groundwater
- Interim Strategies
- New Groundwater Wells for Livestock

Groundwater Reduction Plans

- CHCRWA GRP (see CHCRWA Transmission)
- City of Houston GRP (see COH Treatment Expansion)
- City of Missouri City GRP
- Fort Bend MUD 25 GRP
- Fort Bend WCID 2 GRP
- NFBWA GRP (see NFBWA Transmission)
- NHCRWA GRP (see NHCRWA Transmission)
- Pecan Grove GRP
- Richmond/Rosenberg GRP
- River Plantation GRP
- SJRA WRAP
- Sugar Land GRP
- WHCRWA GRP (see WHCRWA Transmission)

Reservoir Strategies:

- Allens Creek Reservoir
- Brazoria County Off-Channel Reservoir
- Dow Off-Channel Reservoir
- Fort Bend County Off-Channel Reservoir
- GCWA Off-channel Reservoir
- Millican Reservoir
- Little River Off-Channel Reservoir
- Other Potential Reservoirs

Reuse Strategies:

- Fulshear Reuse
- GCWA Reclaimed Water from City of Houston
- Houston Indirect Reuse
- Montgomery County MUD 8/9 Indirect Reuse

Huntsville WTP	11,200	$61,023,906	$0	2010
LLWSSSC Surface Water Project	954	$0	$3,087,974	2010
Luce Bayou Transfer	450,000	$253,916,914	$0	2020
NFBWA Internal Distribution	106,402	$225,000,000	N/A	2020
NFBWA Shared Transmission Line	71,876	$213,000,000	N/A	2020
NHCRWA Internal 2010 Distribution	34,714	$153,149,640	N/A	2010
NHCRWA Internal 2020 Distribution	91,167	$345,292,192	N/A	2020
NHCRWA Internal 2030 Distribution	117,755	$37,439,584	N/A	2030
NHCRWA Transmission 2010	34,714	$80,690,624	N/A	2010
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Wastewater Reclamation for Mun. Irrigation	36,388	$0	$48,043,249	2030
Permit Strategies:				
BRA System Operations Permit	25,400	TBD	See Contracts	2020
Houston Bayous Permit*	0	$20,956,000	$0	2020
Other Strategies:				
Brazoria Co. Interruptible Supplies for Irr.	104,977	$0	$0	2010
Freeport Desalination Plant	33,600	$255,699,000	See Contracts	2050
Brazos Saltwater Barrier	N/A	$44,470,739	$0	2030

1. WUG-level costs for a number of WMS are indicated as “See Contracts”. The WUG-level costs for these strategies will be infrastructure costs associated with implementing *future* contracts from WWPs. For simplification, these costs are collectively represented under the “WUG-Level Contracts” WMS, as common infrastructure from a WUG may treat or transmit water from multiple WMS.
2. Yield value includes surface water transmission volume and is therefore not additional yield.
3. Includes supply volume of TRA to SJRA Contract
4. The Houston Bayous Permit has not yet been approved by TCEQ.

Attachment C:

Amended Table 4A-3: Water Management Strategy Screening

Region H
Table 4A-3: Water Management Strategy Screening

Water Management Strategy	Water User Group or Wholesale Provider	Strategy Description	Strategy Capital Cost ($)	Avarage Annual Cost of Water ($/ac-ft)	Major WMS	Earliest Potential Starting Decade	Firm Yield (ac-ft/yr)	Basin	Interbasin Transfer (Yes/No)	Impacts on Habitat / Stream / B&E Flows	Impacts on Landform	Decision Matrix Factors (High, Medium, Low): Cost	Yield	Location	Water Quality	Environment	Local Preference	Institutional Constraints / Risk of Implementability	Impacts on Water Resources	Impacts on Other Management Strategies		Total of Screening Factors	Selected as Part of 2001 Plan	Selected as Part of 2006 Plan
Screening Factor Weight:												1	1	1	1	1	1	1	1	1				
Conservation Strategies																								
Industrial Conservation	Manufacturing	Reduce water demand through selected BMPs	TBD	TBD		2010	TBD	All	No	No impact	None	0	0	1	0	0	0	1	0	1		3	No	No
Irrigation Conservation																								
Brazoria County	Irrigation	Reduce irrigation losses through land leveling, point irrigation and canal lining	$1,850,200 annual cost, on-farm methods $198,200 capital cost, canal lining	$99		2010	18,792	Brazos, Brazos-Colorado	No	Reduces losses that feed small streams	None	1	1	1	0	0	0	1	0	1		5	Yes	Yes
Chambers County	Irrigation	Reduce irrigation losses through land leveling, point irrigation and canal lining	$2,336,300 annual cost, on-farm methods $279,200 capital cost, canal lining	$98		2010	24,018	Trinity	No	Reduces losses that feed small streams	None	1	1	1	0	0	0	1	0	1		5	Yes	Yes
Fort Bend County	Irrigation	Reduce irrigation losses through land leveling, point irrigation and canal lining	$509,900 annual cost, on-farm methods $56,500 capital cost, canal lining	$99		2010	5,198	Brazos, Brazos-Colorado, San Jacinto-Brazos	No	Reduces losses that feed small streams	None	1	1	1	0	0	0	1	0	1		5	Yes	Yes
Galveston County	Irrigation	Reduce irrigation losses through land leveling, point irrigation and canal lining	$231,100 annual cost, on-farm methods $29,400 capital cost, canal lining	$98		2010	2,392	San Jacinto - Brazos	No	Reduces losses that feed small streams	None	1	1	1	0	0	0	1	0	1		5	Yes	Yes
Liberty County	Irrigation	Reduce irrigation losses through land leveling, point irrigation and canal lining	$2,089,900 annual cost, on-farm methods i $188,700 capital cost, canal lining	$100		2010	20,877	Trinity	No	Reduces losses that feed small streams	None	1	1	1	0	0	0	1	0	1		5	Yes	Yes
Waller County	Irrigation	Reduce irrigation losses through land leveling, point irrigation	$726,700 annual cost, on-farm methods	$110		2050	6,606	San Jacinto	No	Reduces losses that feed small streams	None	1	1	1	0	0	0	1	0	1		5	Yes	Yes
Municipal Conservation	Multiple	Reduce demand through various methods	From $9.9 to $22.8 million for allWUGs collectively	$202 (Sm Sys) $311 (Med Sys) $213 (Lg Sys)		2010	From 45,605 to 105,494	All	No	No impact	None	0	1	1	0	0	1	1	0	1		5	Yes	Yes
Contractual Strategies																								
Expand/ Increase Current Contracts	Multiple	Increase existing contracts to meet customer demands	At WUG level	System Rate		2010	Varies by contract. No new supply created	Multiple	Yes	Reduced streamflows due to use of currently unused supplies	None	1	0	1	0	0	1	1	0	1		5	Yes	Yes
New Contracts from Existing Supply	Multiple	Create new contracts from existing unallocated supplies	At WUG level	System Rate		2010	Varies by contract. No new supply created	Multiple	Yes	Reduced streamflows due to use of currently unused supplies	None	1	0	1	0	0	1	1	0	1		5		Yes
Reallocation of Existing Supply	Multiple	Reallocate surplus water to WUGs with shortages	At WUG level	System Rate		2010	Varies by contract. No new supply created	Multiple	Yes	Altered location of return flows	None	1	0	1	0	0	1	1	0	1		5	No	No
TRA to SJRA contract	TRA / SJRA	Sell uncommitted supply to SJRA.	$302,781,597	$687	Y	2040	76,476	Trinity to San Jacinto	Yes	Potential introduction of invasive species	Requires construction of new conveyance	0	1	0	0	0	0	0	-1	0		0	No	Yes
TRA to Houston Contract	TRA / Houston	Sell uncommitted supply to Houston	None - Infrastructure cost already reflected under Luce Bayou WMS	None - Infrastructure cost already reflected under Luce Bayou WMS	Y	2030	123,524	Trinity to San Jacinto	Yes	Potential introduction of invasive species via Luce Bayou conveyance.	Unknown	1	1	0	0	0	1	1	-1	0		3	Yes	Yes
WUG Level Contracts	Multiple WUGs	Contracts from WWPs to WUGs. Includes contracts for volumes created under other yield-producing WMS	WUG-specific infrastructure	Contract Rate		2010	Varies by contract. No new supply created	All	Yes (source-dependent)	None - impacts associated with yield-creating WMS or infrastructure	None	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA
WWP Contracts	Multiple WWPs	Contracts between WWPs. Includes contracts for volumes created under other yield-producing WMS	N/A - cost associated with WWP infrastructure projects	Contract Rate		2010	Varies by contract. No new supply created	All	Yes (source-dependent)	None - impacts associated with yield-creating WMS or infrastructure	None	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA
Groundwater Strategies																								
Expanded Use of Groundwater	Multiple	Increase groundwater use, to the sustainable or permitted yield.	$589,500 per 1 mgd well. $165,928,999 total capital cost for WUG infrastructure	$205		2010	90,617	All	No	Uses existing supply, return flows remain in basin of origin.	New wells may require some land clearing.	0	1	1	1	0	1	0	0	0		4	Yes	
Interim Strategies	Brazoria, Chambers, Galveston, Harris, and Montgomery Counties	Temporary groundwater use in excess of available supply	$589,500 per 1 mgd well. $86,701,535 total capital cost for WUG infrastructure	$788	Y	2010	NA - temporary use of 45,512 ac-fy/yr	Multiple	No	Potential for subsidence and excess drawdown	New wells may require some land clearing.	1	1	1	0	-1	1	0	1	0		4	No	No
New Groundwater Wells for Livestock	Multiple	Added well capacity to facilitate expaned pumping or interim groundwater use	$18,635	$37		2010	41	San Jacinto-Brazos, Neches-Trinity	No	None - impacts associated with yield-creating WMS or infrastructure	New wells may require some land clearing.	0	NA	1	1	0	1	0	0	0		3	No	Yes
Groundwater Reduction Plans																								

Region H
Table 4A-3: Water Management Strategy Screening

Water Management Strategy	Water User Group or Wholesale Provider	Strategy Description	Strategy Capital Cost ($)	Average Annual Cost of Water ($/ac-ft)	Major WMS	Earliest Potential Starting Decade	Firm Yield (ac-ft/yr)	Basin	Interbasin Transfer (Yes/No)	Impacts on Habitat / Stream / B&E Flows	Impacts on Landform	Decision Matrix Factors (High, Medium, Low): Cost	Yield	Location	Water Quality	Environment	Local Preference	Institutional Constraints / Risk of Implementability	Impacts on Water Resources	Impacts on Other Management Strategies	Total of Screening Factors	Selected as Part of 2001 Plan	Selected as Part of 2006 Plan
Screening Factor Weight:												1	1	1	1	1	1	1	1	1			
CHCRWA GRP	CHCRWA	Conversion of CHCRWA to surface water.	TBD	TBD		2010	NA	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion		0	1	0	0	1	0	0			2	No	No
COH GRP	COH	Conversion of portions of COH service area to surface water	See COH Treatment Expansion and Distribution Expansion	See COH Treatment Expansion and Distribution Expansion		2010	NA	Multiple		Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion		0	1	0	0	1	0	0				No	No
Missouri City GRP	Missouri City	Conversion of Missouri City and surrounding area to surface water. Also includes Aquifer Storage and Recovery.	$92,070,990 capital cost to WWP, $8,397,800 infrastructure cost to participating WUGs	$378 per ac-ft (WWP cost only - excludes infrastructure cost of customer WUGs / GRP participation)		2020 (2013)	4,790 (new supply from reuse + ASR)	Brazos, San Jacinto-Brazos	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	-1	0	1	0	0	1	0	0			1	No	No
Fort Bend County MUD 25 GRP	Fort Bend MUD 25	A combination of reuse and surface water to allow for groundwater reduction.	$766,100 capital cost (estimated as $564 per acre-foot construction cost based on Wastewater Reuse for Municipal Irrigation WMS).	$499 for infrastructure - does not include customer contract rate		2020 (2013)	589 (Reuse)	Brazos	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	-1	0	1	0	0	1	0	0			1	No	No
Fort Bend County WCID No. 2 GRP	Fort Bend County WCID No. 2	Surface water conversion	$24,828,857	$353		2020 (2013)	NA	San Jacinto, San Jacinto-Brazos	No	Potential disturbance due to construction.	due to transmission line construction. Land required for plant	-1	0	1	0	0	1	0	0			1	No	No
NFBWA GRP	NFBWA	Conversion of NFBWA to surface water. Also includes reuse and major water supply infrastructure.	$1,638,000 infrastructure cost to WUGS. WWP infrastructure detailed seperately.	See inf. Cost		2020 (2013)	NA	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion		0	1	0	0	1	0	0	0		2	No	No
NHCRWA GRP	NHCRWA	Conversion of NHCRWA to surface water. Also includes major water supply infrastructure.	$17,814,600 infrastructure cost to WUGS. WWP infrastructure detailed seperately.	See inf. Cost		2010	NA	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion		0	1	0	0	1	0	0	0		2	No	Yes
Pecan Grove GRP	Pecan Grove	Conversion of Pecan Grove to surface water. Also includes reuse	$15,960,000	$865		2020 (2013)	NA	Brazos, San Jacinto-Brazos	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	-1	0	1	0	0	1	0	0			1	No	No
Richmond-Rosenberg GRP	Richmond, Rosenberg	Conversion of Richmond-Rosenberg to surface water.	$117,220,150 capital cost for WWP	NA - existing contract		2020 (2015)	NA	Brazos	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion		0	1	0	0	1	0	0			2	No	No
River Plantation GRP	River Plantation	Entering into GRP with River Plantation CC golf course to provide additional WWTP effluent for irrigation purposes	$484,926	495		2010	NA	San Jacinto	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	0	0	1	0	0	1	0	0			2	No	No
SJRA WRAP	Montgomery County	Conversion of Montgomery County to surface water. Also includes reuse and major water supply infrastructure.	$900,000,000 capital cost for WWP. $217,856,853 infrastructure cost for participating WUGs.	$649. (WWP cost only - excludes infrastructure cost of customer WUGs / GRP participation)		2020 (2015)	NA	San Jacinto	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	-1	0	1	0	0	1	0	0	0		1	No	No
Sugar Land GRP	Sugar Land	Conversion of Sugar Land and surrounding area to surface water. Also includes reuse.	$161,360,000 capital cost for WWP, $6,360,100 infrastructure cost for participating WUGs.	$1,234. (WWP cost only - excludes infrastructure cost of customer WUGs / GRP participation)		2020 (2013)	NA	Brazos, San Jacinto-Brazos	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	-1	0	1	0	0	1	0	0	0		1	No	No
WHCRWA GRP	WHCRWA	Conversion of WHCRWA to surface water. Also includes reuse and major water supply infrastructure.	$35,269,000 infrastructure cost for participating WUGs. WWP infrastructure detailed seperately.	See WHCRWA Transmission and WHCRWA Internal Distribution.		2010	NA	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion		0	1	0	0	1	0	0	0		2		Yes
Infrastructure Strategies																								
BWA Brackish Groundwater	BWA	Desalinate of brackish groundwater from Gulf Coast Aquifer to enhance the yield of surface water sources in use in the lower Brazos River Basin.	$30,570,395	$390-594		2020	3,136	Multiple	No	Increased return flows form groundwater development and RO concentrate.	Limited disturbance outside of existing plant area.	-1	0	1	0	0	1	0	1	0		2	No	No
BWA Plant Expansion	BWA	Expansion of BWA's conventional SWTP to enhance the yield of surface water sources in use in the lower Brazos River Basin.	$14,359,419	$432		2020	NA	Multiple	No	Potential disturbance due to construction.	No disturbance outside of existing plant area.	-1	0	1	0	0	1	1	0	0		2	No	No
CHCRWA Transmission	CHCRWA	Transmission capacity development	TBD	TBD		2010	NA	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant		0	1	0	0	1	0	0			2	No	No
CHCRWA Distribution	CHCRWA	Distribution capacity development	TBD	TBD		2010	NA	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant		0	1	0	0	1	0	0			2	No	No
NFBWA Shared Transmission Line	NFBWA	Transmission capacity development	$213,000,000 capital cost	$150		2020 (2013)	NA	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	0	0	1	0	0	1	0	0	0		2	No	No

Region H
Table 4A-3: Water Management Strategy Screening

Water Management Strategy	Water User Group or Wholesale Provider	Strategy Description	Strategy Capital Cost ($)	Average Annual Cost of Water ($/ac-ft)	Major WMS	Earliest Potential Starting Decade	Firm Yield (ac-ft/yr)	Basin	Interbasin Transfer (Yes/No)	Impacts on Habitat / Stream / B&E Flows	Impacts on Landform	Decision Matrix Factors (High, Medium, Low): Cost	Yield	Location	Water Quality	Environment	Local Preference	Institutional Constraints / Risk of Implementability	Impacts on Water Resources	Impacts on Other Management Strategies		Total of Screening Factors	Selected as Part of 2001 Plan	Selected as Part of 2006 Plan
Screening Factor Weight:												1	1	1	1	1	1	1	1	1				
NFBWA Internal Distribution	NFBWA	Distribution capacity development	$225,000,000 capital cost	$85		2020 (2013)	NA	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	1	0	1	0	0	1	0	0	0		3	No	No
NHCRWA Transmission	NHCRWA	Transmission capacity development	$253,249,100 capital cost	$106		2010	NA	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant	0	0	1	0	0	1	0	0	0		2	No	No
NHCRWA Internal Distribution	NHCRWA	Distribution capacity development	$535,881,400 capital cost	$222		2010	NA	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant	-1	0	1	0	0	1	0	0	0		1	No	No
WHCRWA Transmission	WHCRWA	Transmission capacity development	$290,084,200 capital cost	$178		2010	NA	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant	0	0	1	0	0	1	0	0	0		2	No	No
WHCRWA Internal Distribution	WHCRWA	Distribution capacity development	$552,472,000 capital cost	$338		2010	NA	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant	-1	0	1	0	0	1	0	0	0		1	No	No
West Chambers County Supply System	CLCND	Develop a surface water supply system to meet demands in western Chambers County with water from the Trinity basin.	$20,380,000	$408		2020	NA	Sabine to San Jacinto	Yes (previously permitted)	Potential introduction of invasive species		-1	0	1	0	0	1	0	0	0		1	No	No
COH Treatment Expansion	Houston	Increasing capacity in COH treatment facilities infrastructure.	$2,045,672,200 capital cost	$1,003		Various	NA	Trinity-San Jacinto, San Jacinto, San Jacinto-Brazos, Brazos	No	Footprint of facilities largely already developed.	Footprint of facilities largely already developed.	-1	1	1	0	0	1	0	0	1		3	No	No
COH Distribution Expansion	Houston	Distrubution expansion for WWP	$261,040,000	TBD		2010 (2011)	NA	San Jacinto	No	Footprint of facilities largely already developed.	largely already developed.		1	0	0	0	1	0	0	1		3	No	No
Huntsville WTP	Huntsville	WTP construction to utilize existing contracts	$61,023,900 capital cost (estimated using Region H standard cost assumptions).	$587		2010	NA	Trinity, San Jacinto	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	-1	1	1	0	0	1	0	0	0		2	No	No
LLWSSSC Surface Water Project	Lake Livingston Water Supply and Sewer Service Company	Expansion of SWTP to meet municipal demands	$3,087,974	$373		2010	NA	Trinity	No	Potential disturbance due to construction.	Land required for facility construction	-1	1	1	0	0	1	0	-1	0		1	No	No
Harris County MUD 50 SWTP	Harris MUD 50	Treat surface water from SJRA for municipal use.	$6,131,600	$736		2020	NA	San Jacinto	No	Potential disturbance due to construction.	Land required for facility construction	-1	1	1	0	0	1	0	-1	0		1	No	No
Luce Bayou	COH	Development of a conveyance from the Trinity River to Lake Houston	$253,917,000 capital cost	$91		2020	NA	Trinity to San Jacinto	Yes (previously permitted)	Potential introduction of invasive species	Conveyance requires extensive canal construction	1	0	1	0	-1	1	-1	-1	0		0	Yes	Yes
Sealy GW Treatment Expansion	Sealy	Expansion of a SWTP	$6,450,000	$966		2020	NA	Brazos	No	Potential disturbance due to construction.	Land required for facility construction	-1	1	1	0	0	1	0	-1	0		1	No	No
Pearland SWTP	Pearland	Installation of a SWTP	$265,000,000	$848		2010	NA	San Jacinto - Brazos	No	Potential disturbance due to construction.	Land required for facility construction	-1	1	1	0	0	1	0	-1	0		1	No	No
Reservoir Strategies																								
Allens Creek Reservoir	BRA / Houston	New reservoir in Austin County	$222,752,400	$197	Y	2020	99,650	Brazos	No	Wetlands and bottomland hardwoods impacted	Innundates 7,000 acres	0	0	1	1	-1	1	0	-1	1		2	Yes	Yes
Bedias Reservoir	SJRA	New Reservoir in Madison/Grimes Counties	$247,241,628	$237	Y	2030	90,700	Trinity	No	7,300 acres of bottomland hardwoods	Innundates 27,400 acres	0	0	0	0	-1	0	-1	-1	-1		-4	Yes	No
Little River Reservoir	BRA / GCWA	New reservoir in Milam County	$556,520,000	$328	Y	2040	119,000	Brazos	No	Listed and endangered species habitat	Innundates 35,600 acres	-1	0	0	0	-1	-1	-1	-1	0		-5	Yes	No
Little River Off-Channel Reservoir	BRA	New reservoir in Milam County	$137,356,000	$436	Y	2040	27,255	Brazos	No	Potential impact on terrestrial species habitats	Innundates 4,400 acres	-1	-1	0	0	0	0	0	-1	1		-2	No	Yes
Brazoria Off-Channel Reservoir	Brazoria County	New reservoir in Brazoria County	$173,898,602	$1,206	Y	2030	24,000	San Jacinto - Brazos	No	Potential impact on terrestrial species habitats	Innundates 3,200 acres	-1	1	1	0	0	1	0	-1	0		1	No	No
Fort Bend Off-Channel Reservoir	Fort Bend County	New reservoir in Fort Bend County	$202,514,788	1893 (based on allocated volume)	Y	2030	46,000	San Jacinto - Brazos	No	Potential impact on terrestrial species habitats	Innundates 3,000 acres	-1	1	1	0	0	1	0	-1	0		1	No	No
GCWA Off-Channel Reservoirs	GCWA	Use storage to enhance the yield of existing GCWA rights	$197,448,012	$827	Y	2030	39,530	San Jacinto - Brazos	No	Potential impact on terrestrial species habitats	Innundates 4,000 acres	-1	1	1	0	0	1	0	-1	0		1	No	No
Lower Lake Creek Reservoir	SJRA	New reservoir in Montgomery County	$480,777,860	$583	Y	2040	67,200	San Jacinto	No	Innundates about 13,100 acres including 2,200 acres of bottomland hardwoods, 7,000 acres of oak, hickory, and pine forest, and 1,800 acres of shrubland and grasses. Some Endangered Species Identified	There are about 2,200 acres of bottomland hardwoods, 7,000 acres of oak, hickory, pine forest, and 1,800 acres of shrubland and grasses.	-1	1	0	0	-1	0	-1	-1	1		-2	No	No
Millican Reservoir (Panther Creek Dam)	BRA	New reservoir in Brazos, Madison, Leon, and Robertson Counties	$1,159,907,000	$1,241 (allocated portion only - for fully-utilized reservoir, unit cost is $424 per acre-foot)	Y	2040	194,500	Brazos	No	Some endangered species have been identified. Innundates 71,000 acres. Approximately 17,000 acres of mixed bottomland hardwoods. Probable high environmental impacts.	Innundates 71,000 acres. Approximately 17,000 acres of mixed bottomland hardwoods.	-1	0	-1	0	-1	0	-1	-1	0		-5	No	No

Region H
Table 4A-3: Water Management Strategy Screening

Water Management Strategy	Water User Group or Wholesale Provider	Strategy Description	Strategy Capital Cost ($)	Average Annual Cost of Water ($/ac-ft)	Major WMS	Earliest Potential Starting Decade	Firm Yield (ac-ft/yr)	Basin	Interbasin Transfer (Yes/No)	Impacts on Habitat / Stream / B&E Flows	Impacts on Landform	Decision Matrix Factors (High, Medium, Low): Cost	Yield	Location	Water Quality	Environment	Local Preference	Institutional Constrains / Risk of Implementability	Impacts on Water Resources	Impacts on Other Management Strategies		Total of Screening Factors	Selected as Part of 2001 Plan	Selected as Part of 2006 Plan
Screening Factor Weight:												1	1	1	1	1	1	1	1	1				
Millican-Bundic Reservoir	BRA	New reservoir in Brazos, Madison, Leon, and Robertson Counties	$720,224,000	$1,431	Y	2030	36,990	Brazos		Avoids Manning and Yegua lignite, avoids Kurten oil and gas field, avoids the Wilcox lignite in the upper river reaches and avoids significant bottomland hardwood population. Size of lake would be constrained by the Wilcox lignite, and inundation of marsh area upstream of Old San Antonio Road. Probable moderate to high environmental and instream flows impacts.	The inundation area impacts approximately and 9,210 acres of mixed Bottomland Hardwood Forest, 4,086 acres of Grasses/Forbs, and 1,334 acres of Post Oak Woods.	-1	0	-1	0	-1	0	-1	-1	0		-5	No	No
Reuse Strategies																								
Fulshear Reuse	Fulshear	Development of a direct reuse system to provide reclaimed water to Fulshear and surrounding communities.	cost (estimated as $564 per acre-foot construction cost based on Wastewater Reuse for Municipal Irrigation WMS).	$502		2020	430	Brazos, San Jacinto-Brazos	No	Reduces return flows to Upper Galveston Bay, offset by reduced diversions from the Trinity Basin.	None	-1	0	1	1	0	1	0	-1	0		1	No	No
GCWA Reclaimed Water from City of Houston	GCWA	Transfer of reclaimed water from COH SWWWTP and upstream plants.	$66,840,500	$80	Y	2020	56,896	Brazos, San Jacinto-Brazos	Yes	Reduces return flows to Upper Galveston Bay.	Primarily developed in existing corridor.	0	1	-1	0	1	0	0	-1	0		0	No	No
Houston Indirect Wastewater Reuse	Houston	Reuse wastewater from all city WWTP's in lieu of Trinity Supply.	$721,822,900 infrastructure cost for participating WUGs.	$402 to $1,232 per ac-ft ($777 average)	Y	2020	Up to 490,22	San Jacinto	No	Reduces return flows to Upper Galveston Bay, offset by reduced diversions from the Trinity Basin.	Size and location of diversion pump stations still TBD.	0	1	1	0	0	0	-1	-1	1		1	Yes	Yes
Montgomery County MUDs 8/9 Reuse	Montgomery MUDs 8/9	Reuse water from Montgomery County MUDs 8/9	$12,245,700	$878 per acre-foot (based on allocated volume)		2020 (2016)	1,120 (max)	San Jacinto	No	This WMS willnot be permitted to negatively impact downstream rights.	none	-1	1	1	0	1	1	0	0	0		3	No	No
NHCRWA Indirect Wastewater Reuse	NHCRWA	Reuse wastewater from member WWTP's in lieu of purchasing additional supply.	$66,778,694	$702 per acre-foot allocated	Y	2010	Up to 157,00	San Jacinto	No	Reduces return flows to Upper Galveston Bay, offset by reduced diversions from the Trinity Basin.	Size and location of diversion pump stations still TBD.	0	1	1	0	0	0	-1	-1	1		1	Yes	Yes
Wastewater Reclamation for Industry	Houston, Manufacturing	Deliver treated waterwater to industry for use in lieu of Trinity River supply.	$332,051,761	$893	Y	2010	67,200	San Jacinto	No	Minimal change in habitat	None	-1	1	1	1	0	1	0	1	1		5	Yes	Yes
Wastewater Reclamation for Municipal Irrigation	County-Other and Authorities in Brazoria, Fort Bend, Harris, and Montgomery Counties	Reuse for municipal irrigation	$48,043,200 infrastructure cost for participating WUGs.	$539 average		2030	36,388 (in 2060)	Multiple	No	Reduces return flows to Upper Galveston Bay, offset by reduced diversions from the Trinity Basin.	None	-1	0	1	1	0	1	0	-1	0		1	No	No
Permit Strategies																								
BRA System Operations Permit	BRA	Use peak flows, when available, and systems management to reduce the use of water stored under other permits.	TBD – based on system rate of $61 per acre-foot	TBD – based on system rate of $61 per acre-foot	Y	2020 (2015)	25,350 (Region H)	Brazos	No	Harvests peak flows through system management, positive affect on below-median flows	New pump stations may be required.	1	1	1	0	0	1	-1	0	0		3	Yes	Yes
Houston Bayous Permit	Houston	Use peak flows, when available, to reduce the use of water stored under other permits.	$20,956,000	System rate		NA	0	San Jacinto	No	Reduces return flows to Upper Galveston Bay, offset by reduced diversions from the Trinity Basin.	Size and location of diversion pump stations still TBD.	1	-1	1	0	-1	1	-1	0	0		0	Yes	Yes
Other Strategies																								
Brazoria County Interruptible Supplies for Irrigation	GCWA	Use of interruptible portion of GCWA water right for irrigation	NA	NA		2010	Non-firm 124,000 64,000 w/ GCWA off-channel)	Brazos, San Jacinto-Brazos	No	Reduced flows in Brazos River due to increased diversion	None	1	1	1	0	0	0	0	-1	0		2	NA	NA
Brazos Salt Water Barrier	BRA / DOW	Prevent the seasonal migration of the saltwater wedge upstream to protect existing diversion points.	$44,470,700	NA		2030	NA	Brazos	No	Will influence flood plain	response to major storms. New structure in river channel	0	-1	1	1	0	0	0	1	1		3	NA	Yes
Freeport Desalination	BRA / DOW	Desalinate seawater for industrial and municipal use.	$85,233,000 (11,200AF) - $255,699,000 (33,600AF)	$1,730 to $2,376	Y	2040	11,200 to 33,600	Brazos, San Jacinto-Brazos	No	Offsets some use of Brazos basin flows.	New facility may require some land clearing.	-1	1	1	1	0	0	0	0	0		2	No	Yes
Montgomery County MUD 8/9 Brackish Desal	Montgomery County MUDs 8 and 9	Development of a brackish groundwater desalination facility that would supplement existing wells, reducing dependence on fresh water formations of the Gulf Coast Aquifer.	TBD	TBD		2010 (2014)	Up to 2,240 acre-feet per year (average 2.0 MGD)	San Jacinto	No	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	No	No
Sabine to Region H Transfer	Harris / Montgomery Counties	Transfer existing supply from Toledo Bend Reservoir to Region H.	$760,813,320	Dependent on volume that would be allocated if selected as an alternative.	Y	2030	From 26,762 (2020) to 486,500 (2060)	Sabine to San Jacinto	Yes	Potential introduction of invasive species / Reduction of freshwater inflows to Sabine Lake	1398-acres	0	1	-1	0	-1	-1	-1	-1	1		-3	NA	No
Galveston County Desal	GCWA		TBD	TBD				San Jacinto-Brazos			Unknown	-1	0	1	1	0	0	0	0	0		1	No	No

Attachment D:

Amended Table 4A-4: Water Management Strategy Environmental Impacts

Region H
Table 4A-4: Water Management Strategy Environmental Impacts

Water Management Strategy	Water User Group or Wholesale Provider	Strategy Description	Basin	Interbasin Transfer (Yes/No)	Impacts on Habitat / Stream / B&E Flows	Impacts on Landform	Instream Flows	Bay and Estuary Inflows	Wildlife Habitat	Wetlands	Threatened and Endangered Species	Cultural Resources	Evaluation of Impacts of Water Management Strategies on Threats to Natural Resources	Use of Environmental Planning Criteria or Site-Specific Information on Environmental Flow Needs	Description of Regional Planning Area	Description of Water Sources, including Major Springs	Description of Natural Resources (Animal, Vegetable, or Mineral)	Identification of Water Quality Problems	Identification of Threats to Natural Resources	Recommendations for Ecologically Unique River and Stream Segments	Recommendations that are Needed and Desirable to Protect Natural Resources
Screening Factor Weight:																					
Conservation Strategies																					
Industrial Conservation	Manufacturing	Reduce water demand through selected BMPs	All	No	No impact	None	Strategy reduces the demand for additional water supply, but also reduces return flows from existing sources.	Reducesreturn flows from current sources, but the rate of savings does not compenstae for the rate of growth in the largest counties.	NA - does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	Does not require the construction of new infrastructure. Reductions in return flows off-set by increase in overall demand.	NA - does not require the construction of new infrastructure.	Reducing water demand provides a positive effect on existing supply sources.	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Irrigation Conservation	Irrigation	Reduce irrigation losses through land leveling, point irrigation and canal lining	Various	No	Reduces losses that feed small streams	None	Strategy reduces the demand for additional water supply, but also reduces run-off and seepage losses from existing irrigation.	No significant effect on bay and estuary flows.	NA - does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	NA - Does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	Reducing water demand provides a positive effect. Although instream flows potentially could be reduced due to less return flows off fields, as well as reducing water fowl habitat.	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Brazoria County	Irrigation	Reduce irrigation losses through land leveling, point irrigation and canal lining	Brazos, Brazos-Colorado	No	Reduces losses that feed small streams	None	Strategy reduces the demand for additional water supply, but also reduces run-off and seepage losses from existing irrigation.	No significant effect on bay and estuary flows.	NA - does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	NA - Does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	Reducing water demand provides a positive effect. Although instream flows potentially could be reduced due to less return flows off fields, as well as reducing water fowl habitat.	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Chambers County	Irrigation	Reduce irrigation losses through land leveling, point irrigation and canal lining	Trinity	No	Reduces losses that feed small streams	None	Strategy reduces the demand for additional water supply, but also reduces run-off and seepage losses from existing irrigation.	No significant effect on bay and estuary flows.	NA - does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	NA - Does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	Reducing water demand provides a positive effect. Although instream flows potentially could be reduced due to less return flows off fields, as well as reducing water fowl habitat.	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Galveston County	Irrigation	Reduce irrigation losses through land leveling, point irrigation and canal lining	San Jacinto - Brazos	No	Reduces losses that feed small streams	None	Strategy reduces the demand for additional water supply, but also reduces run-off and seepage losses from existing irrigation.	No significant effect on bay and estuary flows.	NA - does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	NA - Does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	Reducing water demand provides a positive effect. Although instream flows potentially could be reduced due to less return flows off fields, as well as reducing water fowl habitat.	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Liberty County	Irrigation	Reduce irrigation losses through land leveling, point irrigation and canal lining	Trinity	No	Reduces losses that feed small streams	None	Strategy reduces the demand for additional water supply, but also reduces run-off and seepage losses from existing irrigation.	No significant effect on bay and estuary flows.	NA - does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	NA - Does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	Reducing water demand provides a positive effect. Although instream flows potentially could be reduced due to less return flows off fields, as well as reducing water fowl habitat.	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Waller County	Irrigation	Reduce irrigation losses through land leveling, point irrigation	San Jacinto	No	Reduces losses that feed small streams	None	Strategy reduces the demand for additional water supply, but also reduces run-off and seepage losses from existing irrigation.	No significant effect on bay and estuary flows.	NA - does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	NA - Does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	Reducing water demand provides a positive effect. Although instream flows potentially could be reduced due to less return flows off fields, as well as reducing water fowl habitat.	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Municipal Conservation	Multiple	Reduce demand through various methods	All	No	No impact	None	Strategy reduces the demand for additional water supply, but also reduces per-capita return flows from existing groundwater use.	Reduces per capita return flows from groundwater, but the rate of savings does not compenstae for the rate of population growth.	NA - does not require the construction of new infrastructure.	NA - does not require the construction of new infrastructure.	Does not require the construction of new infrastructure. Reductions in return flows off-set by increase in population and total demand.	NA - does not require the construction of new infrastructure.	Reducing per capita water demand provides a positive effect. Although instream flows potentially could be reduced due to less return flows.	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Contractual Strategies																					
Expand/ Increase Current Contracts	Multiple	Increase existing contracts to meet customer demands	Multiple	Yes	Reduced streamflows due to use of currently unused supplies	None	Reduces in-stream flows in all basins due to full use of existing water supplies.	Return flows (typically equal to 60% of diversion) will off-set increased diversions. Houston and SJRA use will result in return flows to Upper Galveston Bay vice Trinity Bay (if left unused).	NA - does not require the construction of new infrastructure beyond expansion of existing plants.	NA - does not require the construction of new infrastructure.	Does not require the construction of new infrastructure, but full use of permits will affect riparian habitat.	NA - does not require the development of new infrastructure sites.	0	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
New Contracts from Existing Supply	Multiple	Create new contracts from existing unallocated supplies	Multiple	Yes	Reduced streamflows due to use of currently unused supplies	None	Reduces in-stream flows in all basins due to full use of existing water supplies.	Return flows (typically equal to 60% of diversion) will off-set increased diversions. Houston and SJRA use will result in return flows to Upper Galveston Bay vice Trinity Bay (if left unused).	NA - does not require the construction of new infrastructure beyond expansion of existing plants.	NA - does not require the construction of new infrastructure.	Does not require the construction of new infrastructure, but full use of permits will affect riparian habitat.	NA - does not require the development of new infrastructure sites.	0	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Reallocation of Existing Supply	Multiple	Reallocate surplus water to WUGs with shortages	Multiple	Yes	Altered location of return flows	None	Reduces in-stream flows in all basins due to full use of existing water supplies.	Return flows (typically equal to 60% of diversion) will off-set increased diversions. Houston and SJRA use will result in return flows to Upper Galveston Bay vice Trinity Bay (if left unused).	NA - does not require the construction of new infrastructure beyond expansion of existing plants.	NA - does not require the construction of new infrastructure.	Does not require the construction of new infrastructure, but full use of permits will affect riparian habitat.	NA - does not require the development of new infrastructure sites.	0	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
TRA to SJRA contract	TRA / SJRA	Sell uncommitted supply to SJRA.	Trinity to San Jacinto	Yes	Potential introduction of invasive species	Requires construction of new conveyance.	Transfers unused supply from the Trinity to the San Jacinto River basin, resulting in decreased flows below Lake Livingston.	Return flows (typically equal to 60% of diversion) will return to Upper Galveston Bay vice Trinity Bay.	Increased diversion from Lake Livingston will increase lake-level fluctuations and reduce flows in the lower Trinity. No new construction impacts are associated with this strategy.	No new construction impacts are associated with this strategy. Lake level fluctuations will affect wetlands along the shoreline and tributaries.	Potential impact to Wood Stork and Alligator Snapping Turtle habitat through reduced flows in lower Trinity River.	Potential impacts along conveyance route	0	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
TRA to Houston Contract	TRA / Houston	Sell uncommitted supply to Houston	Trinity to San Jacinto	Yes	Potential introduction of invasive species	Unknown	Transfers unused supply from the Trinity to the San Jacinto River basin, resulting in decreased flows below Lake Livingston.	Return flows (typically equal to 60% of diversion) will return to Upper Galveston Bay vice Trinity Bay.	Increased diversion from Lake Livingston will increase lake-level fluctuations and reduce flows in the lower Trinity. No new construction impacts are associated with this strategy.	No new construction impacts are associated with this strategy. Lake level fluctuations will affect wetlands along the shoreline and tributaries.	Potential impact to Wood Stork and Alligator Snapping Turtle habitat through reduced flows in lower Trinity River.	NA - does not require the construction of new infrastructure.	0	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
WUG Level Contracts	Multiple WUGs	Contracts from WWPs to WUGs	All	Yes (source-dependent)	None - impacts associated with yield-creating WMS or infrastructure	None	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WWP Contracts	Multiple WWPs	Contracts between WWPs	All	Yes (source-dependent)	None - impacts associated with yield-creating WMS or infrastructure	None	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Groundwater Strategies																					

Region H
Table 4A-4: Water Management Strategy Environmental Impacts

Water Management Strategy	Water User Group or Wholesale Provider	Strategy Description	Basin	Interbasin Transfer (Yes/No)	Impacts on Habitat / Stream / B&E Flows	Impacts on Landform	Instream Flows	Bay and Estuary Inflows	Wildlife Habitat	Wetlands	Threatened and Endangered Species	Cultural Resources	Evaluation of Impacts of Water Management Strategies on Threats to Natural Resources	Use of Environmental Planning Criteria or Site-Specific Information on Environmental Flow Needs	Description of Regional Planning Area	Description of Water Sources, including Major Springs	Description of Natural Resources (Animal, Vegetable, or Mineral)	Identification of Water Quality Problems	Identification of Threats to Natural Resources	Recommendations for Ecologically Unique River and Stream Segments	Recommendations that are Needed and Desirable to Protect Natural Resources
Expanded Use of Groundwater	Multiple	Increase groundwater use, to the sustainable or permitted yield.	All	No	Uses existing supply, return flows remain in basin of origin.	New wells may require some land clearing.	Groundwater return flows contribute to streams in all basins.	Full utilization of groundwater reduces potential for transfer from Trinity Basin, leaving flows into Trinity Bay.	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Interim Strategies	Brazoria, Chambers, Galveston, Harris, and Montgomery Counties	Temporary groundwater use in excess of available supply	Multiple	No	Potential for subsidence and excess drawdown	New wells may require some land clearing.	Groundwater return flows contribute to streams in all basins.	Full utilization of groundwater reduces potential for transfer from Trinity Basin, leaving flows into Trinity Bay.	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
New Groundwater Wells for Livestock	Multiple	Added well capacity to facilitate expaned pumping or interim groundwater use	All	No	None - impacts associated with yield-creating WMS or infrastructure	New wells may require some land clearing.	Groundwater return flows contribute to streams in all basins.	Full utilization of groundwater reduces potential for transfer from Trinity Basin, leaving flows into Trinity Bay.	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Groundwater Reduction Plans																					
CHCRWA GRP	CHCRWA	Conversion of CHCRWA to surface water.	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to streams in all basins.	Full utilization of groundwater reduces potential for transfer from Trinity Basin, leaving flows into Trinity Bay.	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
COH GRP	COH	Conversion of portions of COH service area to surface water	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Transfers unused supply from the Trinity to the San Jacinto River basin, resulting in decreased flows below Lake Livingston.	Return flows (typically equal to 60% of diversion) will return to Upper Galveston Bay vice Trinity Bay.	Increased diversion from Lake Livingston will increase lake-level fluctuations and reduce flows in the lower Trinity. No new construction impacts are associated with this strategy.	No new construction impacts are associated with this strategy. Lake level fluctuations will affect wetlands along the shoreline and tributaries.	Potential impact to Wood Stork and Alligator Snapping Turtle habitat through reduced flows in lower Trinity River.	NA - does not require the construction of new infrastructure.	0	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Missouri City GRP	Missouri City	Conversion of Missouri City and surrounding area to surface water. Also includes Aquifer Storage and Recovery.	Brazos, San Jacinto-Brazos	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Fort Bend County MUD 25 GRP	Fort Bend MUD 25	A combination of reuse and surface water to allow for groundwater reduction.	Brazos	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Fort Bend County WCID No. 2 GRP	Fort Bend County WCID No. 2	Surface water conversion	San Jacinto, San Jacinto-Brazos	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
NFBWA GRP	NFBWA	Conversion of NFBWA to surface water. Also includes reuse and major water supply infrastructure.	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
NHCRWA GRP	NHCRWA	Conversion of NHCRWA to surface water. Also includes major water supply infrastructure.	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Pecan Grove GRP	Pecan Grove	Conversion of Pecan Grove to surface water. Also includes reuse	Brazos, San Jacinto-Brazos	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Richmond-Rosenberg GRP	Richmond, Rosenberg	Conversion of Richmond-Rosenberg to surface water.	Brazos	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
River Plantation GRP	River Plantation MUD	Entering into GRP with River Plantation CC golf course to provide additional WWTP effluent for irrigation purposes	San Jacinto	No	Instream flows potentially decreased due to wastewater reuse. However, indirect reuse potentially has less negative impacts on instream flows than direct reuse.	none	Instream flows potentially decreased due to wastewater reuse. However, indirect reuse potentially has less negative impacts on instream flows than direct reuse.	All return flows remain in Galveston Bay watershed.	TBD. Impacts expected to be minimal	TBD. Impacts expected to be minimal	TBD. Impacts expected to be minimal	Site surveys must be conducted for each individual well site.	TBD	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
SJRA WRAP	Montgomery County	Conversion of Montgomery County to surface water. Also includes reuse and major water supply infrastructure.	San Jacinto	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Sugar Land GRP	Sugar Land	Conversion of Sugar Land and surrounding area to surface water. Also includes reuse.	Brazos, San Jacinto-Brazos	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay

Region H
Table 4A-4: Water Management Strategy Environmental Impacts

Water Management Strategy	Water User Group or Wholesale Provider	Strategy Description	Basin	Interbasin Transfer (Yes/No)	Impacts on Habitat / Stream / B&E Flows	Impacts on Landform	Instream Flows	Bay and Estuary Inflows	Wildlife Habitat	Wetlands	Threatened and Endangered Species	Cultural Resources	Evaluation of Impacts of Water Management Strategies on Threats to Natural Resources	Use of Environmental Planning Criteria or Site-Specific Information on Environmental Flow Needs	Description of Regional Planning Area	Description of Water Sources, including Major Springs	Description of Natural Resources (Animal, Vegetable, or Mineral)	Identification of Water Quality Problems	Identification of Threats to Natural Resources	Recommendations for Ecologically Unique River and Stream Segments	Recommendations that are Needed and Desirable to Protect Natural Resources
WHCRWA GRP	WHCRWA	Conversion of WHCRWA to surface water. Also includes reuse and major water supply infrastructure.	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Infrastructure Strategies																					
BWA Brackish Groundwater	BWA	Desalinate of brackish groundwater from Gulf Coast Aquifer to enhance the yield of surface water sources in use in the lower Brazos River Basin.	Mulitple	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to stream.	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	TBD. Potential mitigation of impacts to Waters of the US from pipeline alignments.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
BWA Plant Expansion	BWA	Expansion of BWA's conventional SWTP to enhance the yield of surface water sources in use in the lower Brazos River Basin.	Multiple	No	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Low probability of significant impacts	Low probability of significant impacts	Limited potential for impact at existing plant site.	Limited potential for impact at existing plant site.	Limited potential for impact at existing plant site.	Limited potential for impact at existing plant site.	N/A	Diversions covered under existing supplies.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
CHCRWA Transmission	CHCRWA	Transmission capacity development	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to streams in all basins.	Full utilization of groundwater reduces potential for transfer from Trinity Basin, leaving flows into Trinity Bay.	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
CHCRWA Distribution	CHCRWA	Distribution capacity development	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to streams in all basins.	Full utilization of groundwater reduces potential for transfer from Trinity Basin, leaving flows into Trinity Bay.	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
NFBWA Shared Transmission Line	NFBWA	Transmission capacity development	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
NFBWA Internal Distribution	NFBWA	Distribution capacity development	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
NHCRWA Transmission	NHCRWA	Transmission capacity development	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
NHCRWA Internal Distribution	NHCRWA	Distribution capacity development	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
WHCRWA Transmission	WHCRWA	Transmission capacity development	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
WHCRWA Internal Distribution	WHCRWA	Distribution capacity development	Multiple	Yes (previously permitted)	Potential disturbance due to construction.	Temporary disturbance due to transmission line construction. Land required for plant construction/expansion	Groundwater return flows contribute to increased instream flows	Groundwater return flows will contribute to increased B&E flows	Site surveys must be conducted for each individual well site.	Groundwater wells can usually be located outside of wetlands, near the point of use.	Groundwater wells should be sited to avoid or minimize impact on habitats.	Site surveys must be conducted for each individual well site.	N/A - uses supply allocated for this use in the 2001 plan	N/A – does not divert surface water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
West Chambers County Supply System	CLCND	Develop a surface water supply system to meet demands in western Chambers County with water from the Trinity basin.	Sabine to San Jacinto	Yes (previously permitted)	Potential introduction of invasive species	Conveyance requires extensive canal construction	Will reduce instream flows to convey water to the west	Return flows will be returned to Galveston Bay	Potential impact to habitat along transmission system alignment	Potential impact to wetlands along transmission system alignment	Potential impact to T&E species along transmission system alignment	Potential impact to cultural resources along transmission system alignment			2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
COH Treatment Expansion	Houston	Increasing capacity in COH treatment facilities infrastructure.	Trinity-San Jacinto, San Jacinto, San Jacinto-Brazos, Brazos	No	Footprint of facilities largely already developed.	Footprint of facilities largely already developed.	Low probability of significant impacts	Low probability of significant impacts	Potential impact to habitat on SWTP site	Potential impact to wetlands on SWTP site	Potential impact to T&E species on site	Potential impact to cultural resources on SWTP site	N/A	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
COH Distribution Expansion	Houston	Distrubution expansion for WWP	San Jacinto	No	Footprint of facilities largely already developed.	Footprint of facilities largely already developed.	Low probability of significant impacts	Low probability of significant impacts	Potential impact to habitat along transmission corridor.	Potential impact to habitat along transmission corridor.	Potential impact to habitat along transmission corridor.	Potential impact to cultural resources along transmission corridor.	N/A	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed	Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Huntsville WTP	Huntsville	WTP construction to utilize existing contracts	Trinity, San Jacinto	No	Potential impact to habitat on site	Land required for facility construction	Low probability of significant impacts	Low probability of significant impacts	Potential impact to habitat on SWTP site	Potential impact to wetlands on SWTP site	Potential impact to T&E species on site	Potential impact to cultural resources on SWTP site	N/A		2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	Chapter 5 details the impacts of management strategies on water quality, and provides	Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Harris County MUD 50 SWTP	Harris MUD 50	Treat surface water from SJRA for municipal use.	San Jacinto	No	Potential impact to habitat on site	Land required for facility construction	Low probability of significant impacts	Low probability of significant impacts	Potential impact to habitat on SWTP site	Potential impact to wetlands on SWTP site	Potential impact to T&E species on site	Potential impact to cultural resources on SWTP site	N/A		2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 designates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay

Region H
Table 4A-4: Water Management Strategy Environmental Impacts

Water Management Strategy	Water User Group or Wholesale Provider	Strategy Description	Basin	Interbasin Transfer (Yes/No)	Impacts on Habitat / Stream / B&E Flows	Impacts on Landform	Instream Flows	Bay and Estuary Inflows	Wildlife Habitat	Wetlands	Threatened and Endangered Species	Cultural Resources	Evaluation of Impacts of Water Management Strategies on Threats to Natural Resources	Use of Environmental Planning Criteria or Site-Specific Information on Environmental Flow Needs	Description of Regional Planning Area	Description of Water Sources, including Major Springs	Description of Natural Resources (Animal, Vegetable, or Mineral)	Identification of Water Quality Problems	Identification of Threats to Natural Resources	Recommendations for Ecologically Unique River and Stream Segments	Recommendations that are Needed and Desirable to Protect Natural Resources
LLWSSSC Surface Water Project	Lake Livingston Water Supply and Sewer Service Company	Expansion of SWTP to meet municipal demands	Trinity	No	Potential impact to habitat on site	Land required for facility expansion	Low probability of significant impacts	Low probability of significant impacts	Potential impact to habitat on SWTP site	Potential impact to wetlands on SWTP site	Potential impact to T&E species on site	Potential impact to cultural resources on SWTP site	N/A		2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Luce Bayou	COH	Development of a conveyance fro the Trinity River to Lake Houston	Trinity to San Jacinto	Yes (previously permitted)	Potential introduction of invasive species	Conveyance requires extensive canal construction	Reduces flow in the Trinity River below Liberty.	Return flows (typically equal to 60% of diversion) will return to Upper Galveston Bay vice Trinity Bay.	Conveyance requires 23.6 miles of canal. Blending supply in Lake Houston may affect lake habitat.	Potential impact due to diversion structure. Potential wetland impacts due to project.	Potential impact to White-faced Ibis, Wood Stork and Alligator Snapping Turtle habitat through reduced flows in lower Trinity River. Increased flow in Luce Bayou may impact Creek Chubsucker habitat.	Privately owned ranches and farms along Luce Bayou. Pump station study identified historic homestead, which was studied and cataloged at the time of the original permit.			2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed impaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay

Region H
Table 4A-4: Water Management Strategy Environmental Impacts

Water Management Strategy	Water User Group or Wholesale Provider	Strategy Description	Basin	Interbasin Transfer (Yes/No)	Impacts on Habitat / Stream / B&E Flows	Impacts on Landform	Instream Flows	Bay and Estuary Inflows	Wildlife Habitat	Wetlands	Threatened and Endangered Species	Cultural Resources	Evaluation of Impacts of Water Management Strategies on Threats to Natural Resources	Use of Environmental Planning Criteria or Site-Specific Information on Environmental Flow Needs	Description of Regional Planning Area	Description of Water Sources, including Major Springs	Description of Natural Resources (Animal, Vegetable, or Mineral)	Identification of Water Quality Problems	Identification of Threats to Natural Resources	Recommendations for Ecologically Unique River and Stream Segments	Recommendations that are Needed and Desirable to Protect Natural Resources
Sealy GW Treatment Expansion	Sealy	Expansion of a SWTP	Brazos	No	Potential impact to habitat on site	Land required for facility construction	Low probability of significant impacts	Low probability of significant impacts	Potential impact to habitat on SWTP site	Potential impact to wetlands on SWTP site	Potential impact to T&E species on site	Potential impact to cultural resources on SWTP site	N/A		2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed immpaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Pearland SWTP	Pearland	Installation of a SWTP	San Jacinto	No	Potential impact to habitat on site	Land required for facility construction	Low probability of significant impacts	Low probability of significant impacts	Potential impact to habitat on SWTP site	Potential impact to wetlands on SWTP site	Potential impact to T&E species on site	Potential impact to cultural resources on SWTP site.	N/A		2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed immpaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Reservoir Strategies																					
Allens Creek Reservoir	BRA / Houston	New reservoir in Austin County	Brazos	No	Wetlands and bottomland hardwoods impacted	Innundates 7,000 acres	Diverts peak flows. When base flow is above median, diversions cannot reduce it below media. When base flow is above 25th percentile, diversions cannot reduce it below 25th percentile. Below 25th percentile, diversions cannot reduce it below a 7Q2.	Divert peak flows, reducing magnitude of storm flush.	Innundates 7,000 acres	Sire specific study ongoing. Potential impact from 700 to 1700 wetland acres, based upon initial studies.	Austin County is habitat for White-faced Ibis, Wood Stork and Houston Toad.	Site located near the town of Wallis. A detailed site survey must be conducted.	0	Reservoir modeled using minimum in-stream flow requirement.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed immpaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Little River Off-Channel Reservoir	BRA	New reservoir in Milam County	Brazos	No	Potential impact on terrestrial species habitats	Innundates 4400 acres	The project would promote a minor reduction in instream flows, but as a percentage of total flow the difference would be minor.	Will have substantial impacts on the instream biological community at the proposed reservoir site. However, there would be minimal impacts in the Little River diversion site. It is not likely that this project, alone, would have a substantial influence on total discharge in the Brazos River, in which case there would be minimal influence on freshwater inflows to the Brazos River estuary. However, the cumulative impact of multiple projects may reduce freshwater inflows into the estuary.	Would innundate 4,343 acres; Projected wildlife habitat that will be impacted includes 2,215 acres of Mixed Grassland, 1,839 acres of Post Oak Woods, and 289 acres of Mixed Riparian Woods/Forest.	0	The species that could occur within the vicinity of the site include Houston toad, bald eagle interior least tern, piping plover, and whooping crane, and Navasota ladies'-tresses.	31 archeological sites have been documented within the general vicinity of the proposed reservoir; Pin Oak Cemetery may lie within the reservoir site; Prior to reservoir inundation, the project must be coordinated with the Texas Historical Commission and a cultural resources survey must be conducted to determine if any cultural resources are present within the conservation pool.		0	Water potentially available for impoundment estimated using the Brazos G WAM; Firm yield computed subject to the reservoir and Little River diversion having to pass inflows to meet CCEFN instream flow requirements	Regional G Draft RPP Technical Evaluations of WMS, 4B.13.5	Regional G Draft RPP Technical Evaluations of WMS, 4B.13.5	Regional G Draft RPP Technical Evaluations of WMS, 4B.13.5	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed immpaired waters within the Region.	The project is expected to have negligible impacts to the stream flow and water quality in the Little River and Brazos River.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Brazoria County Off-Channel Reservoir	Brazoria County	New reservoir in Brazoria County	San Jacinto - Brazos	No	Potential impact on terrestrial species habitats	Innundates 4,000 acres	The project would promote a minor reduction in instream flows, but as a percentage of total flow the difference would be minor.	Not likely to significantly impact bay and estuary inflows.	TBD	TBD	Potential for multiple threatened and endangered species to be located within the vicinity of the proposed project site.	Cultural Resources survey will be required to determine impacts to cultural resources in the area	Lower streamflows, declining water quality, and reduced inflows to reservoirs.	Water potentially available for impoundment estimated using the Brazos G WAM; Firm yield computed subject to diversion having to pass inflows to meet CCEFN instream flow requirements	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed immpaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Fort Bend County Off-Channel Reservoir	Fort Bend County	New reservoir in Fort Bend County	Brazos	No	Potential impact on terrestrial species habitats	Innundates 4,000 acres	The project would promote a minor reduction in instream flows, but as a percentage of total flow the difference would be minor.	Not likely to significantly impact bay and estuary inflows.	TBD	TBD	Potential for multiple threatened and endangered species to be located within the vicinity of the proposed project site.	Cultural Resources survey will be required to determine impacts to cultural resources in the area	Lower streamflows, declining water quality, and reduced inflows to reservoirs.	Water potentially available for impoundment estimated using the Brazos G WAM; Firm yield computed subject to diversion having to pass inflows to meet CCEFN instream flow requirements	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed immpaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
GCWA Off-Channel Reservoirs	GCWA	Use storage to enhance the yield of existing GCWA rights	San Jacinto - Brazos	No	Potential impact on terrestrial species habitats	Innundates 4,000 acres	The project would promote a minor reduction in instream flows, but as a percentage of total flow the difference would be minor.	Not likely to significantly impact bay and estuary inflows.	Project would innundate approximatly 2,900 acres, habitat in the area to be investigated further.	Project would innundate approximatly 2,900 acres, habitat in the area to be investigated further.	Potential for multiple threatened and endangered species to be located within the vicinity of the proposed project site.	Cultural Resources survey will be required to determine impacts to cultural resources in the area	Lower streamflows, declining water quality, and reduced inflows to reservoirs.	Water potentially available for impoundment estimated using the Brazos G WAM; Firm yield computed subject to the reservoir and diversion having to pass inflows to meet CCEFN instream flow requirements	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed immpaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Reuse Strategies																					
Fulshear Reuse	Fulshear	Development of a direct reuse system to provide reclaimed water to Fulshear and surrounding communities.	Brazos, San Jacinto-Brazos	No	Reduces return flows to Upper Galveston Bay, offset by reduced diversions from the Trinity Basin.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
GCWA Reclaimed Water from City of Houston	GCWA	Transfer of reclaimed water from COH SWWWTP and upstream plants.	Brazos, San Jacinto-Brazos	Yes	Reduces return flows to Upper Galveston Bay.	Primarily developed in existing corridor.	Permit limits curb impacts to instream flows.	All return flows remain in Galveston Bay watershed.	Permit applications point out the urbanized watershed.	Permit applications state that potential diversion points will have minimal impacts on wetlands adjacent to streams.	Permit applications are silent on this issue.	NA	N/A	Water right permit addressed environmental flow needs.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed immpaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Houston Indirect Wastewater Reuse	Houston	Reuse wastewater from all city WWTP's in lieu of Trinity Supply.	San Jacinto	No	Reduces return flows to Upper Galveston Bay, offset by reduced diversions from the Trinity Basin.	Size and location of diversion pump stations still TBD.	Instream flows potentially decreased due to wastewater reuse. However, indirect reuse potentially has less negative impacts on instream flows than direct reuse.	All return flows remain in Galveston Bay watershed. Reuse of supplies in San Jacinto Basin reduces potential need for transfer from Trinity Basin.	Permit applications point out the urbanized watershed	Permit applications state that potential diversion points will have minimal impacts on wetlands adjacent to streams.	Permit applications are silent on this issue	NA	N/A	SJRA permit addresses flows using existing downstream diversion point. Other applications are silent on this issue.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed immpaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Montgomery County MUDs 8/9 Reuse	Montgomery MUDs 8/9	Reuse water from Montgomery County MUDs 8/9	San Jacinto	No	Instream flows potentially decreased due to wastewater reuse. However, indirect reuse potentially has less negative impacts on instream flows than direct reuse.	none	Instream flows potentially decreased due to wastewater reuse. However, indirect reuse potentially has less negative impacts on instream flows than direct reuse.	All return flows remain in Galveston Bay watershed.	TBD. Impacts expected to be minimal	TBD. Impacts expected to be minimal	TBD. Impacts expected to be minimal	TBD	TBD		2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed immpaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
NHCRWA Indirect Wastewater Reuse	NHCRWA	Reuse wastewater from member WWTP's in lieu of purchasing additional supply.	San Jacinto	No	Reduces return flows to Upper Galveston Bay, offset by reduced diversions from the Trinity Basin.	Size and location of diversion pump stations still TBD.	Instream flows potentially decreased due to wastewater reuse. However, indirect reuse potentially has less negative impacts on instream flows than direct reuse.	All return flows remain in Galveston Bay watershed. Reuse of supplies in San Jacinto Basin reduces potential need for transfer from Trinity Basin.	Majority of the needed infrastructure will be constructed in urbanized areas. Therefore, the impact to wildlife habitat will be limited.	Majority of the needed infrastructure will be constructed in urbanized areas. Therefore, the impact to wetlands will be limited.	Potential impact to Creek Chubsucker and Alligator Snapping Turtle habitat through reduced wastewtaer return flows.	NA	N/A	SJRA permit addresses flows using existing downstream diversion point. Other applications are silent on this issue.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed immpaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay

Region H
Table 4A-4: Water Management Strategy Environmental Impacts

Water Management Strategy	Water User Group or Wholesale Provider	Strategy Description	Basin	Interbasin Transfer (Yes/No)	Impacts on Habitat / Stream / B&E Flows	Impacts on Landform	Instream Flows	Bay and Estuary Inflows	Wildlife Habitat	Wetlands	Threatened and Endangered Species	Cultural Resources	Evaluation of Impacts of Water Management Strategies on Threats to Natural Resources	Use of Environmental Planning Criteria or Site-Specific Information on Environmental Flow Needs	Description of Regional Planning Area	Description of Water Sources, including Major Springs	Description of Natural Resources (Animal, Vegetable, or Mineral)	Identification of Water Quality Problems	Identification of Threats to Natural Resources	Recommendations for Ecologically Unique River and Stream Segments	Recommendations that are Needed and Desirable to Protect Natural Resources
Wastewater Reclamation for Industry	Houston, Manufacturing	Deliver treated waterwater to industry for use in lieu of Trinity River supply.	San Jacinto	No	Minimal change in habitat	None	Reduces municipal return flows into Sims and Buffalo Bayous. Manufacturign return flows into the ship channel will not be affected.	Reuse water is intended to off-set supply transferred from Lake Livingston, leaving the inflows for Trinity Bay vice Upper Galveston Bay	Sims and Buffalo Bayous will realize reduced freshwater flows due to reuse. Central treatment facility may impact up to 15 acres of undeveloped land.	4 new pipeline crossings may impact 6 acres (assumed 1.5 acres each).	Potential impact to Wood Stork and Alligator Snapping Turtle habitat through reduced wastewtaer return flows.	Project is within an industrial area, but site studies must still be conducted for new facilities.	0	NA - strategy does not require a new reservoir or water right.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed immpaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay

Region H
Table 4A-4: Water Management Strategy Environmental Impacts

Water Management Strategy	Water User Group or Wholesale Provider	Strategy Description	Basin	Interbasin Transfer (Yes/No)	Impacts on Habitat / Stream / B&E Flows	Impacts on Landform	Instream Flows	Bay and Estuary Inflows	Wildlife Habitat	Wetlands	Threatened and Endangered Species	Cultural Resources	Evaluation of Impacts of Water Management Strategies on Threats to Natural Resources	Use of Environmental Planning Criteria or Site-Specific Information on Environmental Flow Needs	Description of Regional Planning Area	Description of Water Sources, including Major Springs	Description of Natural Resources (Animal, Vegetable, or Mineral)	Identification of Water Quality Problems	Identification of Threats to Natural Resources	Recommendations for Ecologically Unique River and Stream Segments	Recommendations that are Needed and Desirable to Protect Natural Resources
Wastewater Reclamation for Municipal Irrigation	County-Other and Authorities in Brazoria, Fort Bend, Harris, and Montgomery Counties	Reuse for municipal irrigation	Multiple	No	Reduces return flows to Upper Galveston Bay, offset by reduced diversions from the Trinity Basin.	None	Instream flows potentially decreased due to wastewater reuse. However, indirect reuse potentially has less negative impacts on instream flows than direct reuse.	Potential to reduce return flows in specific basin of use.	Permit applications point out the urbanized watershed	Permit applications state that potential diversion points will have minimal impacts on wetlands adjacent to streams.	Permit applications are silent on this issue	NA	N/A		2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed immpaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Permit Strategies																					
BRA System Operations Permit	BRA	Use peak flows, when available, and systems management to reduce the use of water stored under other permits.	Brazos	No	Harvests peak flows through system management, positive affect on below-median flows	New pump stations may be required.	Diverts from streamflows when above median flow, reducing peaks. Releases from storage when below median flows, increasing the flows above diversion points.	Reduces peak flushing effects due to diversions above median flows. Flows below median are minimally affected.	Application points to the deferred or eliminated need for Little River Reservoir	Application points to the deferred or eliminated need for Little River Reservoir. New diversion points must be assessed as needed.	None discussed in permit application. Deferring Little River Reservoir reduces overall basin impact.	Application points to the deferred or eliminated need for Little River Reservoir	N/A	TCEQ Draft permit has been granted	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed immpaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Houston Bayous Permit	Houston	Use peak flows, when available, to reduce the use of water stored under other permits.	San Jacinto	No	Reduces return flows to Upper Galveston Bay, offset by reduced diversions from the Trinity Basin.	Size and location of diversion pump stations still TBD.	Permit applications refer to capturing peak flows. Model includes current Lake Houston instream flow requirement	Permit applications refer to capturing peak flows. Model includes current Lake Houston instream flow requirement	Permit applications point out the urbanized watershed	Permit applications state that potential diversion points will have minimal impacts on wetlands adjacent to streams.	Permit applications are silent on this issue	N/A - Does not recommend new diversion point	N/A	SJRA permit addresses flows using existing downstream diversion point. Other applications are silent on this issue.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed immpaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Other Strategies																					
Brazoria County Interruptible Supplies for Irrigation	GCWA	Use of interruptible portion of GCWA water right for irrigation	San Jacinto-Brazos	No	Reduced flows in Brazos River due to increased diversion	None	Use of interruptible supplies will decrease instream flows														
Brazos Salt Water Barrier	BRA / DOW	Prevent the seasonal migration of the saltwater wedge upstream to protect existing diversion points.	Brazos	No	Will influence flood plain response to major storms.	New structure in river channel	Structure will create a pool during low-flow periods, but river flows should spill at the same rate as before the structure.	The structure will be designed not to impound seasonal low flows.	The structure will fill [TBD] acreas. Access road will require [TBD] acres. The introduction of the barrier may impact migratory fish species.	The structure will affect [TBD] acres of river bottomlands.	Potential habitat impacts to Black Rail, White-faced Ibis, Wood Stork, Diamondback Terrapin and Corkwood.	Siting study is required to identify any cultural resources being impacted. Site will be above Sea Center Texas hatchery.	Strategy reduces the influence of saltwater migration upstream to protect freshwater diversion points. This reduces the need for replacement supplies.	NA - strategy will not impound water	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed immpaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Freeport Desalination	BRA / DOW	Desalinate seawater for industrial and municipal use.	Brazos, San Jacinto-Brazos	No	Offsets some use of Brazos basin flows.	New facility may require some land clearing.	Displacemnet of water that is currently diverted to meet municipal demands.	Saline water release is made into Dow discharge canal that empties directly into the Gulf of Mexico.	As many as 530 acres of property impacted by the installation of delivery lines, some of which follow existing easements.	Same as wildlife impact potential.	Unknown. Will require assessment before implementation of the strategy.	Will require study before implementation of the strategy.	Will require study before implementation of the strategy.	Will require study before implementation of the strategy.	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed immpaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay
Montgomery County MUD 8/9 Brackish Desal	Montgomery County MUDs 8 and 9	Development of a brackish groundwater desalination facility that would supplement existing wells, reducing dependence on fresh water formations of the Gulf Coast Aquifer.	San Jacinto	No	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Sabine to Region H Transfer	Harris / Montgomery Counties	Transfer existing supply from Toledo Bend Reservoir to Region H.	Sabine to San Jacinto	Yes	Potential introduction of invasive species / Reduction of freshwater inflows to Sabine Lake	TBD	Displacement of water from Lake Livingston and reduced use of Livingston water in lower basin will result in reduced flow between the lake and the IBT discharge point on the Trinity.	Inflows to Sabine Lake could potentially be impacted.	Nearly entire Neches-Trinity segment is within Priority 3, 5, and 6 designated bottomland hardwood.	Wetlands would be affected in the majority of areas crossed by new canal segments.	Route would potentially impact the Bald Eagle, Brown Pelican, Houston Toad, Interior Least Tern, Louisians Pike Snake, Navasota Ladies'-tresses, Northern Scarlet Snake, Red-cockaded Woodpecker, and Smooth Green Snake.	Private proerty along the transfer route, especially in sections of entirely new canal or pipeline. The segment between Lake Livingston and the San Jacinto River passes through the Sam Houston National Forest.	0	0	2011 Regional Plan, Chapter 1	2011 Regional Plan, Chapters 1 and 3	2011 Regional Plan, Chapters 1 and 7	2011 Regional Plan Chapter 5 details the impacts of management strategies on water quality, and provides TCEQ 303(d) listed immpaired waters within the Region.	2011 Regional Plan, Chapter 3 refers to protecting inflows to the Galveston Bay estuary. Chapter 8 desiginates unique stream segments for habitat protection.	2011 Regional Plan, Chapter 8	2011 Regional Plan, Chapter 3, Target Inflows for Galveston Bay

Attachment E:

Amended Table 4A-5: Recommended WMS by County

Region H
Table 4A-5: Reccommended WMS by County (ac-ft/yr)

	2010	2020	2030	2040	2050	2060
Austin						
Initial Shortage	0	-739	-1,240	-1,496	-1,635	-1,865
Expanded GW	0	739	1,240	1,496	1,635	1,865
Municipal Conservation	0	223	251	265	273	285
Contract Expansions	0	0	0	0	0	0
Net Shortage	0	223	251	265	273	285
Brazoria						
Initial Shortage	-150,907	-186,760	-211,634	-238,588	-266,405	-299,199
Expanded GW	0	4,049	12,988	13,515	15,658	16,209
Municipal Conservation	1,476	2,610	2,978	3,249	3,567	3,918
Contract Expansions	7,750	7,750	7,750	7,750	7,750	7,750
Net Shortage	-141,681	-172,351	-187,918	-214,074	-239,430	-271,322
Irrigation Conservation	18,792	18,792	18,792	18,792	18,792	18,792
Wastewater Reclamation for Mun. Irrigation	0	0	116	227	344	465
Brazoria Co. Interruptible Supplies for Irr.	98,189	86,759	64,000	64,000	64,000	64,000
Reallocate Existing Supply	13,694	13,694	13,895	13,988	14,019	13,694
Interim Strategies	24,916	0	0	0	0	0
GCWA Offchannel Reservoir	0	0	39,500	39,500	39,500	39,500
Allens Creek Lake/Reservoir	0	45,277	41,779	66,665	58,092	66,196
BRA System Operations Permit	0	3,010	3,010	3,010	3,010	3,010
Brazoria OCR	0	0	0	0	0	24,000
Freeport Desalination Plant	0	0	0	0	33,600	33,600
Dow Offchannel Reservoir	0	21,800	21,800	21,800	21,800	21,800
New Groundwater Wells for Livestock	0	27	27	27	27	27
BWA Brackish Groundwater	0	3,136	3,136	3,136	3,136	3,136
GCWA Reclaimed Water from COH	0	6,363	6,557	7,106	7,826	8,719
Total after Recommendations	13,910	26,507	24,694	24,177	24,716	25,617
Chambers						
Initial Shortage	-42,520	-47,412	-50,831	-54,251	-57,612	-61,065
Expanded GW	0	577	681	796	905	1,010
Municipal Conservation	137	195	219	239	263	291
Contract Expansions	0	0	0	0	0	0
Net Shortage	-42,383	-46,640	-49,931	-53,216	-56,444	-59,764
Irrigation Conservation	24,018	24,018	24,018	24,018	24,018	24,018
CLCND W Chambers System	0	1,691	1,978	2,235	2,511	2,804
Reallocate Existing Supply	21,010	21,264	21,389	21,509	21,627	21,725
Interim Strategies	903	0	0	0	0	0
New Contract from Existing Supply	13,823	17,083	19,972	22,888	25,732	28,672
Total after Recommendations [1]	17,371	17,416	17,426	17,434	17,444	17,455

Region H
Table 4A-5: Reccommended WMS by County (ac-ft/yr)

	2010	2020	2030	2040	2050	2060
Fort Bend						
Initial Shortage	-86	-11,410	-52,608	-84,380	-123,623	-178,948
Expanded GW	0	6,886	3,423	3,813	4,378	5,052
Municipal Conservation	1,435	7,077	10,277	12,253	14,678	17,497
Contract Expansions	0	367	1,295	1,226	1,225	1,016
Net Shortage	1,349	2,920	-37,613	-67,088	-103,342	-155,383
Irrigation Conservation	5,197	5,197	5,197	5,197	5,197	5,197
WHCRWA GRP	0	0	0	0	0	0
NFBWA GRP	0	0	0	0	0	0
Sugar Land GRP	0	488	4,921	4,835	4,915	4,961
Missouri City GRP	0	4,401	4,401	4,401	4,401	4,401
Wastewater Reclamation for Mun. Irrigation	0	0	2,136	4,744	8,403	12,277
Fort Bend MUD 25 GRP	0	589	589	589	589	589
BRA System Operations Permit	0	3,611	15,860	22,340	22,340	22,340
Fort Bend OCR	0	0	0	0	90	45,943
Allens Creek Lake/Reservoir	0	0	0	6,605	25,864	16,145
TRA to Houston Contract	0	0	13,813	27,824	39,179	39,179
Reallocate Existing Supply	0	0	4,687	4,510	3,720	13,762
Fulshear Reuse	0	287	430	430	430	430
Industrial Conservation	0	558	558	558	558	558
Total after Recommendations	6,546	18,051	14,979	14,945	12,344	10,399
Galveston						
Initial Shortage	-16,307	-16,466	-17,787	-18,738	-19,884	-21,276
Expanded GW	0	811	1,352	1,350	1,352	1,352
Municipal Conservation	768	846	886	896	903	914
Contract Expansions	0	25,630	25,630	25,630	25,630	25,630
Net Shortage	-15,539	10,821	10,081	9,138	8,001	6,620
Irrigation Conservation	2,392	2,392	2,392	2,392	2,392	2,392
New Contract from Existing Supply	16	23	26	29	33	37
Interim Strategies	6,410	0	0	0	0	0
Allens Creek Lake/Reservoir	0	12,101	13,234	14,175	15,310	16,687
New Groundwater Wells for Livestock	0	14	14	14	14	14
Interruptible Supplies for Irr.	6,788	0	0	0	0	0
GCWA Reclaimed Water from COH	0	50,533	50,339	49,790	49,070	48,177
Total after Recommendations	67	75,884	76,086	75,538	74,820	73,927
Harris						
Initial Shortage	-51,413	-194,925	-270,301	-323,711	-375,414	-458,509
Expanded GW	0	15,481	27,659	27,693	27,727	27,560
Municipal Conservation	37,292	46,836	51,902	56,748	61,656	66,947
Contract Expansions	0	108,852	66,039	51,840	42,538	31,971
Net Shortage	-14,121	-23,756	-124,701	-187,430	-243,493	-332,031
New Contract from Existing Supply	23,008	31,264	38,732	54,777	54,805	54,849
NHCRWA GRP	0	0	0	0	0	0
WHCRWA GRP	-65	-258	-409	-566	-751	-968
COH GRP	0	0	0	0	0	0
Missouri City GRP	0	386	386	386	386	386
Wastewater Reclamation for Mun. Irrigation	0	0	3,268	6,616	10,027	13,431
Reallocate Existing Supply	18,253	15,276	7,308	19,232	30,220	96,881
Interim Strategies	15	0	0	0	0	0
Allens Creek Lake/Reservoir	0	15	83	336	384	622
TRA to Houston Contract	0	0	93,744	86,519	75,164	75,164
NHCRWA Indirect Reuse	0	0	0	7,300	16,300	16,300
Wastewater Reuse for Industry	0	0	0	0	0	67,200
Houston Indirect Reuse	0	0	0	66,420	114,679	128,801
Total after Recommendations	27,090	22,927	18,411	53,590	57,721	120,635

Region H
Table 4A-5: Reccommended WMS by County (ac-ft/yr)

	2010	2020	2030	2040	2050	2060
Leon						
Initial Shortage	0	-376	-614	-707	-779	-908
Expanded GW	0	376	614	707	779	908
Municipal Conservation	0	126	140	124	107	116
Contract Expansions	0	0	0	0	0	0
Net Shortage	0	126	140	124	107	116
Total after Recommendations	0	126	140	124	107	116
Liberty						
Initial Shortage	-11,846	-15,142	-18,687	-22,539	-27,061	-32,363
Expanded GW	0	2,537	4,590	6,809	9,399	12,544
Municipal Conservation	0	539	641	744	868	995
Contract Expansions	0	0	0	0	0	0
Net Shortage	-11,846	-12,066	-13,456	-14,986	-16,794	-18,824
Irrigation Conservation	20,876	20,876	20,876	20,876	20,876	20,876
Reallocate Existing Supply	6,657	6,697	6,732	6,767	6,805	6,833
Total after Recommendations	15,687	15,507	14,152	12,657	10,887	8,885
Madison						
Initial Shortage	-1	-130	-228	-239	-323	-450
Expanded GW	0	130	228	239	323	450
Municipal Conservation	1	91	110	112	116	119
Contract Expansions	0	0	0	0	0	0
Net Shortage	0	91	110	112	116	119
Total after Recommendations	0	91	110	112	116	119
Montgomery						
Initial Shortage	-17,728	-47,619	-69,513	-81,350	-120,398	-165,162
Expanded GW	0	5,615	4,471	5,614	9,034	11,820
Municipal Conservation	4,460	6,007	7,384	8,838	10,795	13,089
Contract Expansions	0	0	0	0	0	0
Net Shortage	-13,268	-35,997	-57,658	-66,898	-100,569	-140,253
MUD 8 AND 9 Reuse	0	657	816	1,120	1,120	1,120
Wastewater Reclamation for Mun. Irrigation	0	0	1,752	3,838	6,787	10,215
SJRA WRAP	0	36,377	55,538	54,582	53,581	52,534
Interim Strategies	13,268	0	0	0	0	0
TRA To SJRA Contract	0	0	0	7,935	39,096	76,476
Total after Recommendations	0	1,037	448	577	15	92
Polk						
Initial Shortage	0	-117	-205	-272	-384	-513
Expanded GW	0	117	205	272	384	513
Municipal Conservation	0	158	173	180	187	198
Contract Expansions	0	0	0	0	0	0
Net Shortage	0	158	173	180	187	198
Total after Recommendations	0	158	173	180	187	198
San Jacinto						
Initial Shortage	0	-300	-533	-695	-793	-869
Expanded GW	0	542	928	984	1,007	1,060
Municipal Conservation	19	148	163	174	181	184
Contract Expansions	0	0	0	0	0	0
Net Shortage	19	390	558	463	395	375
Total after Recommendations	19	390	558	463	395	375

Region H
Table 4A-5: Reccommended WMS by County (ac-ft/yr)

	2010	2020	2030	2040	2050	2060
Trinity						
Initial Shortage	0	0	0	0	0	0
Expanded GW	0	36	36	21	0	0
Municipal Conservation	0	2	1	0	0	0
Contract Expansions	0	0	0	0	0	0
Net Shortage	0	38	37	21	0	0
Total after Recommendations	0	38	37	21	0	0
Walker						
Initial Shortage	0	-815	-1,655	-1,973	-2,384	-2,853
Expanded GW	0	816	1,651	1,963	2,374	2,843
Municipal Conservation	0	68	74	89	90	92
Contract Expansions	0	0	0	0	0	0
Net Shortage	0	69	70	79	80	82
Total after Recommendations	0	69	70	79	80	82
Waller						
Initial Shortage	-82	-1,926	-2,940	-4,579	-8,177	-12,355
Expanded GW	0	1,447	2,231	3,644	5,382	7,431
Municipal Conservation	17	392	497	592	708	849
Contract Expansions	0	0	0	0	0	0
Net Shortage	-65	-87	-212	-343	-2,087	-4,075
Irrigation Conservation	0	0	0	0	6,606	6,606
WHCRWA GRP	65	258	409	566	751	968
Total after Recommendations	0	171	197	223	5,270	3,499

Notes:

[1]Lines for reallocation of existing supplies include only the positive portions of reallocations, as negative portions remove surplusses from some WUGs. Shortage values reflect the sum of all WUG shortages without offsets for other WUG surplusses.

Attachment F:

Amended Table 4A-6: Decadal WMS Summary

Region H
Table 4A-6: Decadal WMS Summary

WMS	Starting Decade	Project Volume (ac-ft/yr)						WWP Capital Cost ($)						WUG Capital Cost ($)					
		2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060
Conservation Strategies:																			
Industrial Conservation	2010							$0	$0	$0	$0	$0	$0						
Irrigation Conservation	2010	71,275	71,275	71,275	71,275	77,881	77,881	$0	$0	$0	$0	$0	$0	$752,268	$0	$0	$0	$1,153	$4,015
Municipal Conservation	2010	45,605	65,318	75,696	84,503	94,392	105,494	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Contractual Strategies:																			
Expand/Increase Current Contracts	2010	7,750	145,735	103,850	89,582	80,279	69,503	$0	$0	$0	$0	$0	$0			See WUG Contracts			
New Contracts from Existing Supplies	2010	36,847	48,370	58,730	77,694	80,570	83,558	$0	$0	$0	$0	$0	$0			See WUG Contracts			
Reallocation of Existing Supplies	2010							$0	$0	$0	$0	$0	$0			See WUG Contracts			
TRA to SJRA Contract	2040	0	0	0	7,935	39,096	76,476	$0	$0	$0	$302,781,597	$0	$0			See WUG Contracts			
TRA to Houston Contract	2030	0	0	116,738	123,524	123,524	123,524	See Luce Bayou								See WUG Contracts			
WUG-Level Contracts[1]	2010			N/A				$0	$0	$0	$0	$0	$0	$350,454,499	$671,560,117	$367,706,601	$368,720,609	$288,157,583	$343,673,748
WWP Contracts	2010			N/A				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Groundwater Strategies:																			
Expanded Use of Groundwater	2010	0	40,159	62,297	68,916	80,337	90,617	$0	$0	$0	$0	$0	$0	$0	$59,415,362	$40,583,127	$21,583,224	$21,103,733	$23,243,553
Interim Strategies	2010	45,512	0	0	0	0	0	$0	$0	$0	$0	$0	$0	$86,701,535	$0	$0	$0	$0	$0
New Groundwater Wells for Livestock	2020	0	41	41	41	41	41	$0	$0	$0	$0	$0	$0	$0	$18,635	$0	$0	$0	$0
Groundwater Reduction Plans:																			
CHCRWA GRP	2010	2,375	4,146	4,789	4,806	4,806	4,806	See CHCRWA Trans.						$0	$0	$0	$0	$0	$0
COH GRP	2010			TBD				See COH Treatment						$8,836,520	$17,799,888	$12,253,354	$7,276,113	$6,014,466	$6,055,532
City of Missouri City GRP	2010	0	5,182	9,431	13,149	13,149	17,562	$0	$51,260,490	$40,810,500	$0	$0	$0	$0	$2,358,074	$2,025,087	$1,630,399	$544,508	$60,638
Fort Bend MUD 25 GRP	2020 (2013)	0	589	589	589	589	589	$0	$0	$0	$0	$0	$0	$0	$776,145	$0	$0	$0	$0
Fort Bend WCID 2 GRP	2020 (2013)	0	2,296	5,753	5,753	5,753	5,753	$0	$10,631,491	$7,098,683	$7,098,683	$0	$0	$0	$0	$0	$0	$0	$0
NFBWA GRP[2]	2020 (2013)	35,009	61,021	70,363	84,943	96,103	106,402	See NFBWA Trans.						$0	$249,735	$358,017	$87,191	$533,359	$409,761
NHCRWA GRP[2]	2010	34,714	91,167	117,755	99,625	81,126	117,755	See NHCRWA Trans.						$1,780,852	$4,837,262	$2,797,086	$2,909,781	$2,373,851	$3,115,753
Pecan Grove GRP	2020 (2013)	866	866	1,731	1,731	1,731	1,731	$0	$0	$0	$0	$0	$0	$15,960,000	$0	$0	$0	$0	$0
Richmond/Rosenberg GRP	2020 (2013)	7,500	7,500	7,500	7,500	7,500	7,500	$0	$43,205,325	$29,963,475	$29,897,900	$0	$14,153,450	$0	$0	$0	$0	$0	$0
River Plantation GRP	2010	168	368	368	368	368	368	$0	$0	$0	$0	$0	$0	$221,379	$263,547	$0	$0	$0	$0
SJRA WRAP[3]	2020 (2013)	0	36,377	55,538	62,517	92,677	129,010	$0	$380,000,000	$180,000,000	$200,000,000	$140,000,000	$0	$0	$67,254,547	$53,629,599	$33,814,326	$31,902,735	$31,255,646
Sugar Land GRP	2020 (2013)	0	1,587	7,987	8,656	8,915	9,796	$0	$82,825,000	$78,535,049	$0	$0	$0	$0	$1,130,682	$2,868,604	$1,726,810	$574,465	$59,540
WHCRWA GRP[2]	2010	21,678	52,274	66,761	73,196	75,985	78,839	See WHCRWA Trans						$5,832,511	$11,987,019	$5,649,170	$3,774,316	$3,888,105	$4,137,849
Infrastructure Strategies:																			
BWA Bracksh Groundwater	2020	0	3,136	3,136	3,136	3,136	3,136	$0	$30,570,395	$0	$0	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
BWA Plant Expansion	2020	0	8,400	8,400	8,400	8,400	8,400	$0	$14,359,419	$0	$0	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
CHCRWA Transmission Line	2010	2,375	4,146	4,789	4,806	4,806	4,806	TBD						N/A	N/A	N/A	N/A	N/A	N/A
CHCRWA Internal Distribution	2010	2,375	4,146	4,789	4,806	4,806	4,806	TBD						N/A	N/A	N/A	N/A	N/A	N/A
CLCND West Chambers System	2020 (2014)	0	1,700	2,000	2,200	2,500	2,800	$0	$20,380,000	$0	$0	$0	$0			See WUG Contracts			
COH Distribution Expansion	2010			TBD				$0	$229,390,000	$31,650,000	$0	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
COH Treatment Expansion	2010			Varies by decade				$66,895,529	$975,979,521	$446,248,855	$223,261,769	$166,643,243	$166,643,243	N/A	N/A	N/A	N/A	N/A	N/A
Harris County MUD 50 WTP	2020 (2013)	560	560	560	560	588	632	$0	$0	$0	$0	$0	$0	$6,131,600	$0	$0	$0	$0	$0
Huntsville WTP	2010	11,200	11,200	11,200	11,200	11,200	11,200	$61,023,906	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LLWSSSC Surface Water Project	2010	954	954	954	954	954	954	$0	$0	$0	$0	$0	$0	$3,087,974	$0	$0	$0	$0	$0
Luce Bayou Transfer	2020	0	128,259	206,276	207,629	205,171	270,742	$0	$253,916,914	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
NFBWA Internal Distribution	2020 (2013)	35,009	61,021	70,363	84,943	96,103	106,402	$74,000,000	$15,000,000	$106,000,000	$10,000,000	$10,000,000	$10,000,000	N/A	N/A	N/A	N/A	N/A	N/A
NFBWA Shared Transmission Line	2020 (2013)	0	21,878	39,405	52,595	62,606	71,876	$0	$14,000,000	$142,000,000	$57,000,000	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
NHCRWA Internal 2010 Distribution	2010	34,714	34,714	34,714	34,714	34,714	34,714	$153,149,640	$0	$0	$0	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
NHCRWA Internal 2020 Distribution	2020	0	91,167	91,167	91,167	91,167	91,167	$0	$345,292,192	$0	$0	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
NHCRWA Internal 2030 Distribution	2030	0	0	117,755	117,755	117,755	117,755	$0	$0	$37,439,584	$0	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
NHCRWA Transmission 2010	2010	34,714	34,714	34,714	34,714	34,714	34,714	$80,690,624	$0	$0	$0	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
NHCRWA Transmission 2020	2020	0	91,167	91,167	91,167	91,167	91,167	$0	$172,558,512	$0	$0	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
NHCRWA Transmission 2030	2030	0	0	117,755	117,755	117,755	117,755	$0	$0	$0	$0	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
Pearland SWTP	TBD	6,720	6,720	6,720	13,420	13,420	13,420	$0	$0	$0	$0	$0	$0	$46,500,000	$218,500,000	$0	$0	$0	$0
Sealy GW Treatment Expansion		0	360	360	360	360	888	$0	$0	$0	$0	$0	$0	$0	$6,450,000	$0	$0	$0	$0
WHCRWA Internal Distribution	2010	21,678	52,274	66,761	73,196	75,985	78,839	$135,309,000	$340,470,000	$76,693,000	$0	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
WHCRWA Transmission Line	2010	21,678	52,274	66,761	73,196	75,985	78,839	$45,110,193	$244,974,000	$0	$0	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
Reservoir Strategies:																			
Allens Creek Reservoir	2020	0	57,393	55,096	87,781	99,650	99,650	$0	$222,752,400	$0	$0	$0	$0			See WUG Contracts			
Brazoria County Off-channel Reservoir	2060	0	0	0	0	0	24,000	$0	$0	$0	$0	$0	$173,898,602			See WUG Contracts			
Dow Off-channel Reservoir	2020	0	21,800	21,800	21,800	21,800	21,800	$0	$124,468,000	$0	$0	$0	$0			See WUG Contracts			
Fort Bend County Off-channel Reservoir	2050	0	0	0	0	90	45,943	$0	$0	$0	$0	$202,514,788	$0			See WUG Contracts			
GCWA Off-channel Reservoir	2030	0	0	39,500	39,500	39,500	39,500	$0	$0	$197,448,012	$0	$0	$0			See WUG Contracts			
Reuse Strategies:																			
Fulshear Reuse	TBD	0	287	430	430	430	430	$0	$0	$0	$0	$0	$0	$0	$378,189	$188,436	$0	$0	$0
GCWA Reclaimed Water from COH	2018		56,896	56,896	56,896	56,896	56,896	$0	$66,840,500	$0	$0	$0	$0			See WUG Contracts			
Houston Indirect Reuse	2040	0	0	0	66,420	114,679	128,801	$0	$0	$0	$0	$0	$0	$0	$0	$0	$276,409,030	$239,326,921	$206,086,899
Montgomery MUD 8/9 Indirect Reuse	2016	0	657	816	1,120	1,120	1,120	$0	$0	$0	$0	$0	$0	$0	$7,171,477	$1,743,456	$3,330,754	$0	$0
NHCRWA Indirect Reuse	2040	0	0	0	7,300	16,300	16,300	$0	$0	$0	$0	$0	$0	$0	$0	$0	$32,223,510	$34,555,184	$0
Wastewater Reuse for Industry	2060	0	0	0	0	0	67,200	$0	$0	$0	$0	$0	$332,051,761	$0	$0	$0	$0	$0	$0
Wastewater Reclamation for Mun. Irrigation	2030	0	0	7,272	15,425	25,561	36,388	$0	$0	$0	$0	$0	$0	$0	$0	$9,582,558	$10,837,039	$13,363,138	$14,260,514
Permit Strategies:																			
BRA System Operations Permit	2020	0	6,621	18,870	25,350	25,350	25,350	TBD								See WUG Contracts			
Houston Bayous Permit*	2020	0	0	0	0	0	0	$0	$20,956,000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Other Strategies:																			
Brazoria Co. Interruptible Supplies for Irr.	2010	104,977	86,759	64,000	64,000	64,000	64,000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Freeport Desalination Plant		0	0	0	0	33,600	33,600	$0	$0	$0	$255,699,000	$0	$0			See WUG Contracts			
Brazos Saltwater Barrier	2030			N/A				$0	$44,470,739	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Alternative Strategies:																			
Sabine to Region H Transfer	2030			N/A - Up to 486,500 ac-ft				$0	$0	$760,813,320	$0	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
Little-River Off-Channel Reservoir	2040			N/A - Up to 27,225 ac-ft				$0	$0	$0	$137,356,000	$0	$0	N/A	N/A	N/A	N/A	N/A	N/A
Montgomery Co. MUD 8/9 Brackish Desal	2010			N/A - Up to 2,240 ac-ft				N/A	N/A	N/A	N/A	N/A	N/A	$12,000,000	$0	$0	$0	$0	$0

Attachment G:

Amended Table 4A-7: WMS Supply Allocations by WUG

Region H

Table 4A-7: WMS Supply Allocations by WUG

WUG Name	WUG RWPG	WUG Basin	WUG County	WUG ID	WUG-County-Basin ID	Wholesale Water Provider	Water Source	Source RWPG	Source Basin	Source County	Source-Basin ID	Supply Volume (ac-ft)						Non-Recursive Volume?	Major WMS Project Name	WUG-Level WMS Name
												2010	2020	2030	2040	2050	2060			
ALVIN	H	SAN JACINTO-BRAZOS	BRAZORIA	080013000	08001300002011	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	99	208	383	595	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
CLEAR LAKE SHORES	H	SAN JACINTO-BRAZOS	GALVESTON	080764000	08076400008411	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	87	89	89	89	89	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
COUNTY-OTHER	H	BRAZOS	BRAZORIA	080757020	08075702002012	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	116	124	129	137	146	Y	ALLENS CREEK LAKE/RESERVOIR	BWA to WUG Contract
COUNTY-OTHER	H	BRAZOS-COLORADO	BRAZORIA	080757020	08075702002013	BRAZOSPORT WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	1428	2293	2508	Y	ALLENS CREEK LAKE/RESERVOIR	BWA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	BRAZORIA	080757020	08075702002011	BRAZOSPORT WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	0	753	2781	Y	ALLENS CREEK LAKE/RESERVOIR	BWA to WUG Contract
COUNTY-OTHER	H	BRAZOS	FORT BEND	080757079	08075707907912	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	3457	11289	6788	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO	FORT BEND	080757079	08075707907910	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	410	1471	876	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	FORT BEND	080757079	08075707907911	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	123	6420	4547	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
DICKINSON	H	SAN JACINTO-BRAZOS	GALVESTON	080165000	08016500008411	GALVESTON COUNTY WCID #1	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	131	274	305	340	379	Y	ALLENS CREEK LAKE/RESERVOIR	GC WCID 1 Contract
FAIRCHILDS	H	BRAZOS	FORT BEND	081019000	08101900007912	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	129	303	164	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
FIRST COLONY MUD #9	H	BRAZOS	FORT BEND	084113000	08411300007912	MISSOURI CITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	0	133	68	Y	ALLENS CREEK LAKE/RESERVOIR	Missouri City to WUG Contract
FORT BEND COUNTY MUD #106	H	BRAZOS	FORT BEND	084117000	08411700007912	SUGAR LAND	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	149	212	78	Y	ALLENS CREEK LAKE/RESERVOIR	Sugar Land to WUG Contract
FORT BEND COUNTY MUD #23	H	SAN JACINTO-BRAZOS	FORT BEND	084121000	08412100007911	MISSOURI CITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	0	117	50	Y	ALLENS CREEK LAKE/RESERVOIR	Missouri City to WUG Contract
FORT BEND COUNTY MUD #25	H	SAN JACINTO-BRAZOS	FORT BEND	084122000	08412200007911	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	744	1750	949	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
FORT BEND COUNTY MUD #81	H	BRAZOS	FORT BEND	084129000	08412900007912	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	308	717	388	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
IRRIGATION	H	BRAZOS	BRAZORIA	081004020	08100402002012	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	0	50	50	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
IRRIGATION	H	SAN JACINTO-BRAZOS	BRAZORIA	081004020	08100402002011	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	13628	13628	13771	15415	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
IRRIGATION	H	SAN JACINTO-BRAZOS	GALVESTON	081004084	08100408408411	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	6788	6788	6788	6788	6788	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
KEMAH	H	SAN JACINTO-BRAZOS	GALVESTON	080316000	08031600008411	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	208	230	237	241	247	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
LEAGUE CITY	H	SAN JACINTO-BRAZOS	GALVESTON	080350000	08035000008411	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	3485	3837	3909	3993	4093	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
LEAGUE CITY	H	SAN JACINTO-BRAZOS	HARRIS	080350000	08035000010111	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	15	15	15	16	16	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
MANUFACTURING	H	BRAZOS	BRAZORIA	081001020	08100102002012	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	44720	26791	46813	35606	36711	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
MANUFACTURING	H	SAN JACINTO-BRAZOS	BRAZORIA	081001020	08100102002011	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	1615	0	0	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
MANUFACTURING	H	BRAZOS	FORT BEND	081001079	08100107907912	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	39	65	0	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
MANUFACTURING	H	SAN JACINTO	FORT BEND	081001079	08100107907910	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	62	104	0	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
MANVEL	H	SAN JACINTO-BRAZOS	BRAZORIA	080721000	08072100002011	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	49	44	45	48	51	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
MINING	H	BRAZOS	BRAZORIA	081003020	08100302002012	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	75	92	110	127	143	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
MINING	H	BRAZOS-COLORADO	BRAZORIA	081003020	08100302002013	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	271	386	502	647	796	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
MINING	H	SAN JACINTO-BRAZOS	BRAZORIA	081003020	08100302002011	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	46	76	119	168	217	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
MINING	H	BRAZOS	FORT BEND	081003079	08100307907912	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	6	13	7	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
MINING	H	SAN JACINTO	FORT BEND	081003079	08100307907910	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	3	6	3	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
MINING	H	SAN JACINTO-BRAZOS	FORT BEND	081003079	08100307907911	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	0	12	6	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
MINING	H	SAN JACINTO-BRAZOS	GALVESTON	081003084	08100308408411	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	21	24	28	31	34	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
MISSOURI CITY	H	SAN JACINTO	HARRIS	080409000	08040900010110	MISSOURI CITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	68	321	321	476	Y	ALLENS CREEK LAKE/RESERVOIR	Missouri City to WUG Contract
ORBIT SYSTEMS INC	H	SAN JACINTO-BRAZOS	FORT BEND	084294000	08429400007911	BRAZOS RIVER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	2	4	2	Y	ALLENS CREEK LAKE/RESERVOIR	BRA to WUG Contract
PEARLAND	H	SAN JACINTO-BRAZOS	BRAZORIA	080457000	08045700002011	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	539	2068	4109	6783	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
PEARLAND	H	SAN JACINTO-BRAZOS	HARRIS	080457000	08045700010111	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	0	47	130	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
PLANTATION MUD	H	SAN JACINTO-BRAZOS	FORT BEND	084303000	08430300007911	SUGAR LAND	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	82	116	43	Y	ALLENS CREEK LAKE/RESERVOIR	Sugar Land to WUG Contract
RICHMOND	H	BRAZOS	FORT BEND	080500000	08050000007912	RICHMOND-ROSENBERG	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	0	0	81	Y	ALLENS CREEK LAKE/RESERVOIR	Richmond-Rosenberg to WUG Contract
ROSENBERG	H	BRAZOS	FORT BEND	080518000	08051800007912	RICHMOND-ROSENBERG	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	1091	2970	1767	Y	ALLENS CREEK LAKE/RESERVOIR	Richmond-Rosenberg to WUG Contract
STEAM ELECTRIC POWER	H	SAN JACINTO-BRAZOS	GALVESTON	081002084	08100208408411	GULF COAST WATER AUTHORITY	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	1381	1992	2819	3828	5057	Y	ALLENS CREEK LAKE/RESERVOIR	GCWA to WUG Contract
SUGAR LAND	H	SAN JACINTO-BRAZOS	FORT BEND	080585000	08058500007911	SUGAR LAND	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	0	0	162	328	Y	ALLENS CREEK LAKE/RESERVOIR	Sugar Land to WUG Contract
COUNTY-OTHER	H	BRAZOS	FORT BEND	080757079	08075707907912	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	0	426	426	426	426	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO	FORT BEND	080757079	08075707907910	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	23	61	61	61	61	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	FORT BEND	080757079	08075707907911	GULF COAST WATER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	0	0	1950	1950	1950	Y	BRA SYSTEM OPERATIONS PERMIT	GCWA to WUG Contract
FAIRCHILDS	H	BRAZOS	FORT BEND	081019000	08101900007912	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	125	354	354	354	354	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
FIRST COLONY MUD #9	H	BRAZOS	FORT BEND	084113000	08411300007912	MISSOURI CITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	0	403	668	668	668	Y	BRA SYSTEM OPERATIONS PERMIT	Missouri City to WUG Contract
FORT BEND COUNTY MUD #106	H	BRAZOS	FORT BEND	084117000	08411700007912	SUGAR LAND	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	155	245	245	245	245	Y	BRA SYSTEM OPERATIONS PERMIT	Sugar Land to WUG Contract
FORT BEND COUNTY MUD #108	H	BRAZOS	FORT BEND	084118000	08411800007912	SUGAR LAND	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	141	312	312	312	312	Y	BRA SYSTEM OPERATIONS PERMIT	Sugar Land to WUG Contract
FORT BEND COUNTY MUD #111	H	BRAZOS	FORT BEND	084119000	08411900007912	SUGAR LAND	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	186	417	417	417	417	Y	BRA SYSTEM OPERATIONS PERMIT	Sugar Land to WUG Contract
FORT BEND COUNTY MUD #23	H	SAN JACINTO-BRAZOS	FORT BEND	084121000	08412100007911	MISSOURI CITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	0	543	859	859	859	Y	BRA SYSTEM OPERATIONS PERMIT	Missouri City to WUG Contract
FORT BEND COUNTY MUD #25	H	SAN JACINTO-BRAZOS	FORT BEND	084122000	08412200007911	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	0	1025	1025	1025	1025	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
FORT BEND COUNTY MUD #67	H	BRAZOS	FORT BEND	084126000	08412600007912	SUGAR LAND	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	197	441	441	441	441	Y	BRA SYSTEM OPERATIONS PERMIT	Sugar Land to WUG Contract
FORT BEND COUNTY MUD #68	H	BRAZOS	FORT BEND	084127000	08412700007912	SUGAR LAND	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	144	324	324	324	324	Y	BRA SYSTEM OPERATIONS PERMIT	Sugar Land to WUG Contract
FORT BEND COUNTY MUD #69	H	BRAZOS	FORT BEND	084128000	08412800007912	SUGAR LAND	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	117	260	260	260	260	Y	BRA SYSTEM OPERATIONS PERMIT	GCWA to WUG Contract
FORT BEND COUNTY MUD #81	H	BRAZOS	FORT BEND	084129000	08412900007912	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	253	734	734	734	734	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
MANUFACTURING	H	BRAZORIA	BRAZORIA	081001020	08100102002012	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	2779	2779	2779	2779	2779	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
MANUFACTURING	H	BRAZOS	FORT BEND	081001079	08100107907912	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	0	406	406	406	406	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
MANUFACTURING	H	SAN JACINTO	FORT BEND	081001079	08100107907910	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	623	1292	1292	1292	1292	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
MEADOWS	H	SAN JACINTO	FORT BEND	080792000	08079200007910	FORT BEND COUNTY WCID #2	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	447	993	993	993	993	Y	BRA SYSTEM OPERATIONS PERMIT	FB WCID 2 to WUG Contract
MEADOWS	H	SAN JACINTO-BRAZOS	FORT BEND	080792000	08079200007911	FORT BEND COUNTY WCID #2	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	44	99	99	99	99	Y	BRA SYSTEM OPERATIONS PERMIT	FB WCID 2 to WUG Contract
MINING	H	BRAZOS	BRAZORIA	081003020	08100302002012	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	44	44	44	44	44	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
MINING	H	BRAZOS-COLORADO	BRAZORIA	081003020	08100302002013	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	160	160	160	160	160	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
MINING	H	SAN JACINTO-BRAZOS	BRAZORIA	081003020	08100302002011	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	27	27	27	27	27	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
MINING	H	BRAZOS	FORT BEND	081003079	08100307907912	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	189	383	383	383	383	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
MINING	H	SAN JACINTO	FORT BEND	081003079	08100307907910	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	77	165	165	165	165	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
MINING	H	SAN JACINTO-BRAZOS	FORT BEND	081003079	08100307907911	GULF COAST WATER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	86	703	717	717	717	Y	BRA SYSTEM OPERATIONS PERMIT	GCWA to WUG Contract
MISSOURI CITY	H	BRAZOS	FORT BEND	080409000	08040900007912	MISSOURI CITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	395	1287	1287	1287	1287	Y	BRA SYSTEM OPERATIONS PERMIT	Missouri City to WUG Contract
MISSOURI CITY	H	SAN JACINTO	FORT BEND	080409000	08040900007910	MISSOURI CITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	0	480	1079	1079	1079	Y	BRA SYSTEM OPERATIONS PERMIT	Missouri City to WUG Contract
MISSOURI CITY	H	SAN JACINTO-BRAZOS	FORT BEND	080409000	08040900007911	MISSOURI CITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	0	2809	5675	5675	5675	Y	BRA SYSTEM OPERATIONS PERMIT	Missouri City to WUG Contract
ORBIT SYSTEMS INC	H	SAN JACINTO-BRAZOS	FORT BEND	084294000	08429400007911	BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	4	10	10	10	10	Y	BRA SYSTEM OPERATIONS PERMIT	BRA to WUG Contract
PLANTATION MUD	H	SAN JACINTO-BRAZOS	FORT BEND	084303000	08430300007911	SUGAR LAND	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	87	135	135	135	135	Y	BRA SYSTEM OPERATIONS PERMIT	Sugar Land to WUG Contract
SIENNA PLANTATION MUD #2	H	SAN JACINTO-BRAZOS	FORT BEND	084334000	08433400007911	MISSOURI CITY	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	318	740	772	772	772	Y	BRA SYSTEM OPERATIONS PERMIT	Missouri City to WUG Contract
SUGAR LAND	H	SAN JACINTO	FORT BEND	080585000	08058500007910	SUGAR LAND	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	0	35	35	35	35	Y	BRA SYSTEM OPERATIONS PERMIT	Sugar Land to WUG Contract
SUGAR LAND	H	SAN JACINTO-BRAZOS	FORT BEND	080585000	08058500007911	SUGAR LAND	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B012	0	0	778	1216	1216	1216	Y	BRA SYSTEM OPERATIONS PERMIT	Sugar Land to WUG Contract
IRRIGATION	H	BRAZOS	BRAZORIA	081004020	08100402002012	GULF COAST WATER AUTHORITY	BRAZORIA INTERRUPTIBLE IRRIGATIION SUPPLY	H	BRAZOS	BRAZORIA	BIIS12	1804	1434	1293	1207	1157	1157	Y	BRAZORIA INTERRUPTIBLE IRRIGATION	Irrigation
IRRIGATION	H	SAN JACINTO-BRAZOS	BRAZORIA	081004020	08100402002011	GULF COAST WATER AUTHORITY	BRAZORIA INTERRUPTIBLE IRRIGATIION SUPPLY	H	BRAZOS	BRAZORIA	BIIS12	63173	45325	55707	55793	55843	55843	Y	BRAZORIA INTERRUPTIBLE IRRIGATION	Irrigation
IRRIGATION	H	SAN JACINTO-BRAZOS	BRAZORIA	081004020	08100402002011	GULF COAST WATER AUTHORITY	BRAZORIA INTERRUPTIBLE IRRIGATION SUPPLY - SJB	H	SAN JACINTO-BRAZOS	BRAZORIA	BIISJB11	33212	40000	7000	7000	7000	7000	Y	BRAZORIA INTERRUPTIBLE IRRIGATION	Irrigation
IRRIGATION	H	SAN JACINTO-BRAZOS	GALVESTON	081004084	08100408408411	GULF COAST WATER AUTHORITY	BRAZORIA INTERRUPTIBLE IRRIGATION SUPPLY - SJB	H	SAN JACINTO-BRAZOS	BRAZORIA	BIISJB11	6788	0	0	0	0	0	Y	BRAZORIA INTERRUPTIBLE IRRIGATION	Irrigation
MANUFACTURING	H	BRAZOS	BRAZORIA	081001020	08100102002012	BRAZOS RIVER AUTHORITY	BRAZORIA OCR	H	BRAZOS	RESERVOIR	BRAOCR12	0	0	0	0	0	20344	Y	BRAZORIA OCR	BRA to WUG Contract
MANUFACTURING	H	SAN JACINTO-BRAZOS	BRAZORIA	081001020	08100102002011	BRAZOS RIVER AUTHORITY	BRAZORIA OCR	H	BRAZOS	RESERVOIR	BRAOCR12	0	0	0	0	0	3656	Y	BRAZORIA OCR	BRA to WUG Contract
BEACH CITY	H	TRINITY	CHAMBERS	080822000	08082200003608	CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	CHAMBERS	3460804279B08	0	42	52	61	69	74	Y	CLCND W Chambers System	CLCND to WUG Contract
BEACH CITY	H	TRINITY-SAN JACINTO	CHAMBERS	080822000	08082200003609	CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	CHAMBERS	3460804279B08	0	238	298	353	414	478	Y	CLCND W Chambers System	CLCND to WUG Contract
COUNTY-OTHER	H	TRINITY	CHAMBERS	080757036	08075703603608	CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	CHAMBERS	3460804279B08	0	187	180	173	168	166	Y	CLCND W Chambers System	CLCND to WUG Contract
COUNTY-OTHER	H	TRINITY-SAN JACINTO	CHAMBERS	080757036	08075703603609	CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	CHAMBERS	3460804279B08	0	101	100	99	97	99	Y	CLCND W Chambers System	CLCND to WUG Contract
MONT BELVIEU	H	TRINITY	CHAMBERS	080413000	08041300003608	CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	CHAMBERS	3460804279B08	0	677	824	955	1090	1230	Y	CLCND W Chambers System	CLCND to WUG Contract
MONT BELVIEU	H	TRINITY-SAN JACINTO	CHAMBERS	080413000	08041300003609	CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	CHAMBERS	3460804279B08	0	268	335	396	462	532	Y	CLCND W Chambers System	CLCND to WUG Contract
OLD RIVER-WINFREE	H	TRINITY	CHAMBERS	080727000	08072700003608	CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	CHAMBERS	3460804279B08	0	178	189	198	211	225	Y	CLCND W Chambers System	CLCND to WUG Contract
BLUE BELL MANOR UTILITY COMPANY	H	SAN JACINTO	HARRIS	084026000	08402600010110	CITY OF HOUSTON	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	140	363	413	407	402	402	Y	COH GRP	COH GRP Participation
EL DORADO UD	H	SAN JACINTO	HARRIS	084101000	08410100010110	CITY OF HOUSTON	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	130	325	403	440	481	526	Y	COH GRP	COH GRP Participation
GREEN TRAILS MUD	H	SAN JACINTO	HARRIS	084143000	08414300010110	CITY OF HOUSTON	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	224	668	862	973	1087	1204	Y	COH GRP	COH GRP Participation
HARRIS COUNTY MUD #11	H	SAN JACINTO	HARRIS	084153000	08415300010110	CITY OF HOUSTON	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	102	303	389	437	487	543	Y	COH GRP	COH GRP Participation
HARRIS COUNTY MUD #119 INWOOD NORTH	H	SAN JACINTO	HARRIS	084154000	08415400010110	CITY OF HOUSTON	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	211	588	665	652	644	644	Y	COH GRP

Region H

Table 4A-7: WMS Supply Allocations by WUG

WUG Name	WUG RWPG	WUG Basin	WUG County	WUG ID	WUG-County-Basin ID	Wholesale Water Provider	Water Source	Source RWPG	Source Basin	Source County	Source-Basin ID	2010	2020	2030	2040	2050	2060	Non-Recursive Volume?	Major WMS Project Name	WUG-Level WMS Name
CLUTE	H	SAN JACINTO-BRAZOS	BRAZORIA	080118000	08011800002011	BRAZOSPORT WATER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	213	218	221	229	240	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
COUNTY-OTHER	H	BRAZOS-COLORADO	BRAZORIA	080757020	08075702002013	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	BRAZORIA	3461205362	1752	1852	2005	681	0	0	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	BRAZORIA	080757020	08075702002011	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	BRAZORIA	3461205366I2	4730	3837	4313	5198	5355	4546	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	BRAZORIA	080757020	08075702002011	BRAZOSPORT WATER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	1161	1280	1198	1098	945	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	GALVESTON	080757084	08075708408411	GULF COAST WATER AUTHORITY	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	H	SAN JACINTO-BRAZOS	BRAZORIA	3461105357A11	0	248	248	248	248	248	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	GALVESTON	080757084	08075708408411	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B12	0	1962	1962	1962	1962	1962	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	GALVESTON	080757084	08075708408411	GULF COAST WATER AUTHORITY	BRAZOS RIVER AUTHORITY MAIN STEM SYSTEM	G	BRAZOS	RESERVOIR	120E012	0	449	449	449	449	449	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
DICKINSON	H	SAN JACINTO-BRAZOS	GALVESTON	080165000	08016500008411	GALVESTON COUNTY WCID #1	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	H	SAN JACINTO-BRAZOS	BRAZORIA	3461105357A11	0	59	59	59	59	59	Y	EXPAND/INCREASE CURRENT CONTRACTS	GC WCID 1 Contract
DICKINSON	H	SAN JACINTO-BRAZOS	GALVESTON	080165000	08016500008411	GALVESTON COUNTY WCID #1	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B12	0	469	469	469	469	469	Y	EXPAND/INCREASE CURRENT CONTRACTS	GC WCID 1 Contract
DICKINSON	H	SAN JACINTO-BRAZOS	GALVESTON	080165000	08016500008411	GALVESTON COUNTY WCID #1	BRAZOS RIVER AUTHORITY MAIN STEM SYSTEM	G	BRAZOS	RESERVOIR	120E012	0	107	107	107	107	107	Y	EXPAND/INCREASE CURRENT CONTRACTS	GC WCID 1 Contract
FREEPORT	H	SAN JACINTO-BRAZOS	BRAZORIA	080217000	08021700002011	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	BRAZORIA	3461205362	0	95	263	439	670	950	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
FREEPORT	H	SAN JACINTO-BRAZOS	BRAZORIA	080217000	08021700002011	BRAZOSPORT WATER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	380	412	446	489	543	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
GALVESTON	H	SAN JACINTO-BRAZOS	GALVESTON	080227000	08022700008411	CITY OF GALVESTON	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	H	SAN JACINTO-BRAZOS	BRAZORIA	3461105357A11	0	677	677	677	677	677	Y	EXPAND/INCREASE CURRENT CONTRACTS	Galveston to WUG Contract
GALVESTON	H	SAN JACINTO-BRAZOS	GALVESTON	080227000	08022700008411	CITY OF GALVESTON	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B12	0	5360	5360	5360	5360	5360	Y	EXPAND/INCREASE CURRENT CONTRACTS	Galveston to WUG Contract
GALVESTON	H	SAN JACINTO-BRAZOS	GALVESTON	080227000	08022700008411	CITY OF GALVESTON	BRAZOS RIVER AUTHORITY MAIN STEM SYSTEM	G	BRAZOS	RESERVOIR	120E012	0	1225	1225	1225	1225	1225	Y	EXPAND/INCREASE CURRENT CONTRACTS	Galveston to WUG Contract
GALVESTON COUNTY WCID #12	H	SAN JACINTO-BRAZOS	GALVESTON	084136000	08413600008411	GULF COAST WATER AUTHORITY	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	H	SAN JACINTO-BRAZOS	BRAZORIA	3461105357A11	0	213	213	213	213	213	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
GALVESTON COUNTY WCID #12	H	SAN JACINTO-BRAZOS	GALVESTON	084136000	08413600008411	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B12	0	1688	1688	1688	1688	1688	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
GALVESTON COUNTY WCID #12	H	SAN JACINTO-BRAZOS	GALVESTON	084136000	08413600008411	GULF COAST WATER AUTHORITY	BRAZOS RIVER AUTHORITY MAIN STEM SYSTEM	G	BRAZOS	RESERVOIR	120E012	0	386	386	386	386	386	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
HITCHCOCK	H	SAN JACINTO-BRAZOS	GALVESTON	080279000	08027900008411	GULF COAST WATER AUTHORITY	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	H	SAN JACINTO-BRAZOS	BRAZORIA	3461105357A11	0	17	17	17	17	17	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
HITCHCOCK	H	SAN JACINTO-BRAZOS	GALVESTON	080279000	08027900008411	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B12	0	134	134	134	134	134	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
HITCHCOCK	H	SAN JACINTO-BRAZOS	GALVESTON	080279000	08027900008411	GULF COAST WATER AUTHORITY	BRAZOS RIVER AUTHORITY MAIN STEM SYSTEM	G	BRAZOS	RESERVOIR	120E012	0	31	31	31	31	31	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
HUMBLE	H	SAN JACINTO	HARRIS	080289000	08028900010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	1718	0	0	0	0	Y	EXPAND/INCREASE CURRENT CONTRACTS	COH to WUG Contract
LAKE JACKSON	H	SAN JACINTO-BRAZOS	BRAZORIA	080338000	08033800002011	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	BRAZORIA	3461205362	744	708	830	1049	1349	1703	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
LAKE JACKSON	H	SAN JACINTO-BRAZOS	BRAZORIA	080338000	08033800002011	BRAZOSPORT WATER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	561	584	625	682	750	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
MANUFACTURING	H	BRAZOS	BRAZORIA	081001020	08100102002013	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	BRAZORIA	3461205366I2	326	252	130	124	0	0	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
MANUFACTURING	H	SAN JACINTO-BRAZOS	BRAZORIA	081001020	08100102002011	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	BRAZORIA	3461205362	0	844	4	6	0	0	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
MANUFACTURING	H	SAN JACINTO-BRAZOS	BRAZORIA	081001020	08100102002011	BRAZOSPORT WATER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	311	128	127	102	102	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
MANUFACTURING	H	SAN JACINTO-BRAZOS	FORT BEND	081001079	08100107907911	FORT BEND CO. WCID 1	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	H	SAN JACINTO-BRAZOS	FORT BEND	34611051701I	0	148	824	940	1016	1016	Y	EXPAND/INCREASE CURRENT CONTRACTS	FB WCID 1 to WUG Contract
MANUFACTURING	H	SAN JACINTO-BRAZOS	HARRIS	081001101	08100110110111	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	8611	3177	0	0	0	Y	EXPAND/INCREASE CURRENT CONTRACTS	COH to WUG Contract
NFBWA	H	SAN JACINTO	HARRIS	NFBWA	NFBWA10110	NFBWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	444	0	0	0	0	Y	EXPAND/INCREASE CURRENT CONTRACTS	NFBWA to WUG Contract
NHCRWA	H	SAN JACINTO	HARRIS	088000000	08800000010110	NHCRWA	HOUSTON LAKE/RESERVOIR	H	SAN JACINTO	RESERVOIR	1003010	0	30880	30880	32734	29030	25398	Y	EXPAND/INCREASE CURRENT CONTRACTS	NHCRWA to WUG Contract
NHCRWA	H	SAN JACINTO	HARRIS	088000000	08800000010110	NHCRWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	25573	14181	7419	3616	0	Y	EXPAND/INCREASE CURRENT CONTRACTS	NHCRWA to WUG Contract
OYSTER CREEK	H	SAN JACINTO-BRAZOS	BRAZORIA	080730000	08073000002011	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	BRAZORIA	3461205362	25	31	42	57	76	100	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
OYSTER CREEK	H	SAN JACINTO-BRAZOS	BRAZORIA	080730000	08073000002011	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	BRAZORIA	3461205366I2	25	31	42	57	76	100	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
RICHWOOD	H	SAN JACINTO-BRAZOS	BRAZORIA	080501000	08050100002011	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	BRAZORIA	3461205362	36	33	36	42	56	76	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
RICHWOOD	H	SAN JACINTO-BRAZOS	BRAZORIA	080501000	08050100002011	BRAZOSPORT WATER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	56	57	58	61	64	Y	EXPAND/INCREASE CURRENT CONTRACTS	BWA to WUG Contract
SAN LEON MUD	H	SAN JACINTO-BRAZOS	GALVESTON	084329000	08432900008411	GULF COAST WATER AUTHORITY	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	H	SAN JACINTO-BRAZOS	BRAZORIA	3461105357A11	0	117	117	117	117	117	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
SAN LEON MUD	H	SAN JACINTO-BRAZOS	GALVESTON	084329000	08432900008411	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B12	0	930	930	930	930	930	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
SAN LEON MUD	H	SAN JACINTO-BRAZOS	GALVESTON	084329000	08432900008411	GULF COAST WATER AUTHORITY	BRAZOS RIVER AUTHORITY MAIN STEM SYSTEM	G	BRAZOS	RESERVOIR	120E012	0	213	213	213	213	213	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
SEABROOK	H	SAN JACINTO-BRAZOS	HARRIS	080545000	08054500010111	CITY OF PASADENA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	967	0	0	0	0	Y	EXPAND/INCREASE CURRENT CONTRACTS	Pasadena to WUG Contract
STEAM ELECTRIC POWER	H	SAN JACINTO	HARRIS	081002101	08100210110110	CITY OF HOUSTON	HOUSTON LAKE/RESERVOIR	H	SAN JACINTO	RESERVOIR	1003010	0	3286	3357	4189	5154	6027	Y	EXPAND/INCREASE CURRENT CONTRACTS	COH to WUG Contract
SUNBELT FWSD	H	SAN JACINTO	HARRIS	084350000	08435000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	2842	1459	553	246	0	Y	EXPAND/INCREASE CURRENT CONTRACTS	COH to WUG Contract
TEXAS CITY	H	SAN JACINTO-BRAZOS	GALVESTON	080602000	08060200008411	GULF COAST WATER AUTHORITY	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	H	SAN JACINTO-BRAZOS	BRAZORIA	3461105357A11	0	940	940	940	940	940	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
TEXAS CITY	H	SAN JACINTO-BRAZOS	GALVESTON	080602000	08060200008411	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B12	0	7444	7444	7444	7444	7444	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
TEXAS CITY	H	SAN JACINTO-BRAZOS	GALVESTON	080602000	08060200008411	GULF COAST WATER AUTHORITY	BRAZOS RIVER AUTHORITY MAIN STEM SYSTEM	G	BRAZOS	RESERVOIR	120E012	0	1701	1701	1701	1701	1701	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
TIKI ISLAND	H	SAN JACINTO-BRAZOS	GALVESTON	080973000	08097300008411	GULF COAST WATER AUTHORITY	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	H	SAN JACINTO-BRAZOS	BRAZORIA	3461105357A11	0	59	59	59	59	59	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
TIKI ISLAND	H	SAN JACINTO-BRAZOS	GALVESTON	080973000	08097300008411	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B12	0	465	465	465	465	465	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
TIKI ISLAND	H	SAN JACINTO-BRAZOS	GALVESTON	080973000	08097300008411	GULF COAST WATER AUTHORITY	BRAZOS RIVER AUTHORITY MAIN STEM SYSTEM	G	BRAZOS	RESERVOIR	120E012	0	106	106	106	106	106	Y	EXPAND/INCREASE CURRENT CONTRACTS	GCWA to WUG Contract
WHCRWA	H	SAN JACINTO	FORT BEND	088002000	08800200007910	WHCRWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	219	471	286	209	0	Y	EXPAND/INCREASE CURRENT CONTRACTS	WHCRWA to WUG Contract
WHCRWA	H	SAN JACINTO	HARRIS	088002000	08800200010110	WHCRWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	31618	12123	6225	3861	0	Y	EXPAND/INCREASE CURRENT CONTRACTS	WHCRWA to WUG Contract
AMES	H	TRINITY	LIBERTY	080676000	08067600014608	None	GULF COAST AQUIFER	H	TRINITY	LIBERTY	1461508	0	22	42	60	84	113	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
ANGLETON	H	SAN JACINTO-BRAZOS	BRAZORIA	080018000	08001800002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	46	58	54	61	71	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BAILEY'S PRAIRIE	H	BRAZOS	BRAZORIA	080817000	08081700002012	None	GULF COAST AQUIFER	H	BRAZOS	BRAZORIA	0201512	0	0	0	0	1	1	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BAILEY'S PRAIRIE	H	SAN JACINTO-BRAZOS	BRAZORIA	080817000	08081700002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	3	5	7	10	15	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BAYOU VISTA	H	SAN JACINTO-BRAZOS	GALVESTON	080759000	08075900008411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	3	4	4	4	4	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BAYTOWN	H	TRINITY-SAN JACINTO	CHAMBERS	080042000	08004200003609	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	HARRIS	1011509	0	9	14	18	23	28	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BAYTOWN	H	SAN JACINTO	HARRIS	080042000	08004200010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	1	1	1	2	4	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BAYTOWN	H	TRINITY-SAN JACINTO	HARRIS	080042000	08004200010109	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	HARRIS	1011509	0	1	2	2	2	2	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BEACH CITY	H	TRINITY	CHAMBERS	080822000	08082200003608	None	GULF COAST AQUIFER	H	TRINITY	CHAMBERS	0361508	0	2	3	4	6	7	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BEACH CITY	H	TRINITY-SAN JACINTO	CHAMBERS	080822000	08082200003609	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	CHAMBERS	0361509	0	22	35	44	52	58	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BEASLEY	H	BRAZOS	FORT BEND	081012000	08101200007912	None	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	1	2	4	6	8	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BEASLEY	H	BRAZOS-COLORADO	FORT BEND	081012000	08101200007913	None	GULF COAST AQUIFER	H	BRAZOS-COLORADO	FORT BEND	0791513	0	11	24	38	58	82	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BELLAIRE	H	SAN JACINTO	HARRIS	080046000	08004600010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	52	104	104	104	104	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BELLVILLE	H	BRAZOS	AUSTIN	080048000	08004800000812	None	GULF COAST AQUIFER	H	BRAZOS	AUSTIN	0081512	0	285	472	568	618	697	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BRAZORIA COUNTY MUD #1	H	SAN JACINTO-BRAZOS	BRAZORIA	084030000	08403000002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	300	650	955	1294	1648	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BRAZORIA COUNTY MUD #2	H	BRAZOS	BRAZORIA	084031000	08403100002012	None	GULF COAST AQUIFER	H	BRAZOS	BRAZORIA	0201512	0	380	813	1200	1621	2060	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BRAZORIA COUNTY MUD #3	H	SAN JACINTO-BRAZOS	BRAZORIA	084032000	08403200002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	217	468	687	931	1186	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BROOKSHIRE	H	BRAZOS	WALLER	080077000	08007700023712	None	GULF COAST AQUIFER	H	BRAZOS	WALLER	2371512	0	124	304	506	754	1050	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BROOKSIDE VILLAGE	H	SAN JACINTO-BRAZOS	BRAZORIA	080078000	08007800002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	14	39	63	91	124	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
BUFFALO	H	TRINITY	LEON	080083000	08008300014508	None	CARRIZO-WILCOX AQUIFER	H	TRINITY	LEON	1451008	0	36	53	49	44	47	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
CENTERVILLE	H	TRINITY	LEON	080105000	08010500014508	None	CARRIZO-WILCOX AQUIFER	H	TRINITY	LEON	1451008	0	14	21	18	16	17	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
CLEAR BROOK CITY MUD WOODMEADOWS	H	SAN JACINTO	HARRIS	084063000	08406300010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	18	38	38	38	38	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
CLEAR LAKE SHORES	H	SAN JACINTO-BRAZOS	GALVESTON	080764000	08076400008411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	1	1	1	1	1	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
CLEVELAND	H	SAN JACINTO	LIBERTY	080116000	08011600014610	None	GULF COAST AQUIFER	H	SAN JACINTO	LIBERTY	1461510	0	24	51	75	123	188	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
CLUTE	H	SAN JACINTO-BRAZOS	BRAZORIA	080118000	08011800002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	0	14	20	32	44	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COLDSPRING	H	SAN JACINTO	SAN JACINTO	080122000	08012200002010	None	GULF COAST AQUIFER	H	SAN JACINTO	SAN JACINTO	2041510	0	7	12	15	16	17	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COLDSPRING	H	TRINITY	SAN JACINTO	080122000	08012200002009	None	GULF COAST AQUIFER	H	TRINITY	SAN JACINTO	2041508	0	23	42	53	59	62	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
CONROE	H	SAN JACINTO	MONTGOMERY	080130000	08013000017010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	37	359	626	858	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
CONSOLIDATED WSC	H	TRINITY	WALKER	084071000	08407100023608	None	YEGUA-JACKSON AQUIFER	H	TRINITY	WALKER	2363108	0	1	1	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	BRAZOS-COLORADO	AUSTIN	080757008	08075700800813	None	GULF COAST AQUIFER	H	BRAZOS-COLORADO	AUSTIN	0081513	0	26	45	53	57	66	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	COLORADO	AUSTIN	080757008	08075700800814	None	GULF COAST AQUIFER	H	COLORADO	AUSTIN	0081514	0	3	5	5	6	7	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	BRAZOS-COLORADO	BRAZORIA	080757020	08075702002013	None	GULF COAST AQUIFER	H	BRAZOS-COLORADO	BRAZORIA	0201513	0	141	230	279	321	366	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	BRAZORIA	080757020	08075702002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	1804	2457	2514	2437	2356	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	BRAZOS	LEON	080757145	08075714514512	None	CARRIZO-WILCOX AQUIFER	H	BRAZOS	LEON	1451012	0	21	26	17	10	13	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	TRINITY	LEON	080757145	08075714514508	None	SPARTA AQUIFER	H	TRINITY	LEON	1452708	0	7	8	5	3	4	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	TRINITY	LEON	080757145	08075714514508	None	QUEEN CITY AQUIFER	H	TRINITY	LEON	1452408	0	6	8	5	2	3	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	TRINITY	LEON	080757145	08075714514508	None	CARRIZO-WILCOX AQUIFER	H	TRINITY	LEON	1451008	0	7	8	5	3	4	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	NECHES	LIBERTY	080757146	08075714614606	None	GULF COAST AQUIFER	H	NECHES	LIBERTY	1461506	0	25	49	74	101	134	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	NECHES-TRINITY	LIBERTY	080757146	08075714614607	None	GULF COAST AQUIFER	H	NECHES-TRINITY	LIBERTY	1461507	0	1	3	5	7	9	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	SAN JACINTO	LIBERTY	080757146	08075714614610	None	GULF COAST AQUIFER	H	SAN JACINTO	LIBERTY	1461510	0	210	413	624	851	1133	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	TRINITY	LIBERTY	080757146	08075714614608	None	GULF COAST AQUIFER	H	TRINITY	LIBERTY	1461508	0	156	463	789	1139	1584	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	TRINITY-SAN JACINTO	LIBERTY	080757146	08075714614609	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	LIBERTY	1461509	0	30	60	90	123	163	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	BRAZOS	MADISON	080757157	08075715715712	None	SPARTA AQUIFER	H	BRAZOS	MADISON	1572712	0	4	7	9	12	16	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	TRINITY	MADISON	080757157	08075715715708	None	CARRIZO-WILCOX AQUIFER	H	TRINITY	MADISON	1571008	0	50	100	57	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	TRINITY	MADISON	080757157	08075715715708	None	QUEEN CITY AQUIFER	H	TRINITY	MADISON	1572408	0	11	6	4	9	9	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	TRINITY	MADISON	080757157	08075715715708	None	SPARTA AQUIFER	H	TRINITY	MADISON	1572708	0	0	0	8	91	156	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	SAN JACINTO	MONTGOMERY	080757170	08075717017010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	406	2740	5360	7371	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	TRINITY	POLK	080757187	08075718718708	None	GULF COAST AQUIFER	H	TRINITY	POLK	1871508	0	71	124	174	260	356	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
COUNTY-OTHER	H	SAN JACINTO	SAN JACINTO	080757204	08075720420410	None	GULF COAST AQUIFER	H	SAN JACINTO	SAN JACINTO	2041510	0

Region H

Table 4A-7: WMS Supply Allocations by WUG

WUG Name	WUG RWPG	WUG Basin	WUG County	WUG ID	WUG-County-Basin ID	Wholesale Water Provider	Water Source	Source RWPG	Source Basin	Source County	Source-Basin ID	2010	2020	2030	2040	2050	2060	Non-Recursive Volume?	Major WMS Project Name	WUG-Level WMS Name
GALVESTON COUNTY WCID #12	H	SAN JACINTO-BRAZOS	GALVESTON	084136000	08413600008411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	3	4	4	4	4	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HARDIN	H	TRINITY	LIBERTY	080878000	08087800014608	None	GULF COAST AQUIFER	H	TRINITY	LIBERTY	1461508	0	19	36	55	75	99	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HARDIN WSC	H	TRINITY	LIBERTY	084148000	08414800014608	None	GULF COAST AQUIFER	H	TRINITY	LIBERTY	1461508	0	102	200	298	406	532	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HARRIS COUNTY FWSD #6	H	SAN JACINTO	HARRIS	084151000	08415100010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	5	9	9	9	9	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HARRIS COUNTY MUD #53	H	SAN JACINTO	HARRIS	084186000	08418600010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	90	174	174	174	174	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HARRIS COUNTY MUD #8	H	SAN JACINTO	HARRIS	084189000	08418900010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	12	23	23	23	23	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HARRIS COUNTY WCID #21	H	SAN JACINTO	HARRIS	084196000	08419600010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	5	9	9	9	9	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HARRIS COUNTY WCID #36	H	SAN JACINTO	HARRIS	084197000	08419700010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	27	40	40	40	40	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HARRIS COUNTY WCID #50	H	SAN JACINTO	HARRIS	084198000	08419800010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	5	11	11	11	11	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HARRIS COUNTY WCID #84	H	SAN JACINTO	HARRIS	084200000	08420000010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	0	1	1	1	1	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HEMPSTEAD	H	BRAZOS	WALLER	080271000	08027100023712	None	GULF COAST AQUIFER	H	BRAZOS	WALLER	2371512	0	473	1076	1766	2581	3539	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HILLCREST	H	SAN JACINTO-BRAZOS	BRAZORIA	080881000	08088100002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	0	0	0	0	1	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HITCHCOCK	H	SAN JACINTO-BRAZOS	GALVESTON	080279000	08027900008411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	1	0	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HOLIDAY LAKES	H	SAN JACINTO-BRAZOS	BRAZORIA	080779000	08077900002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	0	0	0	0	1	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HOUSTON	H	SAN JACINTO	HARRIS	080285000	08028500010110	CITY OF HOUSTON	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	7398	14308	14308	14308	14308	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HOUSTON	H	SAN JACINTO-BRAZOS	HARRIS	080285000	08028500010111	CITY OF HOUSTON	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	207	339	339	339	339	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HOUSTON	H	SAN JACINTO	MONTGOMERY	080285000	08028500017010	CITY OF HOUSTON	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	62	173	305	481	689	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
HUNTERS CREEK VILLAGE	H	SAN JACINTO	HARRIS	080290000	08029000010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	24	47	47	47	47	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
IOWA COLONY	H	SAN JACINTO-BRAZOS	BRAZORIA	080885000	08088500002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	3	11	20	29	39	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
IRRIGATION	H	SAN JACINTO-BRAZOS	BRAZORIA	081004020	08100402002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	0	4748	2105	1912	268	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
IRRIGATION	H	NECHES	LIBERTY	081004146	08100414614606	None	GULF COAST AQUIFER	H	NECHES	LIBERTY	1461506	0	12	24	35	47	78	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
IRRIGATION	H	SAN JACINTO	WALLER	081004237	08100423723710	None	GULF COAST AQUIFER	H	BRAZOS	WALLER	2371512	0	0	0	13	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
IRRIGATION	H	SAN JACINTO	WALLER	081004237	08100423723710	None	GULF COAST AQUIFER	H	SAN JACINTO	WALLER	2371510	0	474	0	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
JACINTO CITY	H	SAN JACINTO	HARRIS	080301000	08030100010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	9	22	22	22	22	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
JAMAICA BEACH	H	SAN JACINTO-BRAZOS	GALVESTON	080886000	08088600008411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	4	7	7	7	7	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
JEWETT	H	BRAZOS	LEON	080887000	08088700014512	None	CARRIZO-WILCOX AQUIFER	H	TRINITY	LEON	1451008	0	9	13	13	12	13	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
JEWETT	H	TRINITY	LEON	080887000	08088700014508	None	CARRIZO-WILCOX AQUIFER	H	TRINITY	LEON	1451008	0	26	41	40	37	39	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
KEMAH	H	SAN JACINTO-BRAZOS	GALVESTON	083316000	08331600008411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	4	7	7	7	7	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
KENDLETON	H	BRAZOS-COLORADO	FORT BEND	KENDLETON	KENDLETON07913	None	GULF COAST AQUIFER	H	BRAZOS-COLORADO	FORT BEND	0791513	0	43	100	173	267	388	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
KENEFICK	H	TRINITY	LIBERTY	081033000	08103300014608	None	GULF COAST AQUIFER	H	TRINITY	LIBERTY	1461508	0	18	34	50	68	89	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
LA PORTE	H	SAN JACINTO	HARRIS	080346000	08034600010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	2	4	4	4	4	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
LA PORTE	H	SAN JACINTO-BRAZOS	HARRIS	080346000	08034600010111	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	HARRIS	1011511	0	33	71	71	71	71	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
LAKE JACKSON	H	SAN JACINTO-BRAZOS	BRAZORIA	080338000	08033800002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	333	473	508	515	521	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	LIBERTY	084226000	08422600014608	None	GULF COAST AQUIFER	H	TRINITY	LIBERTY	1461508	0	0	0	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	POLK	084226000	08422600018708	None	GULF COAST AQUIFER	H	TRINITY	POLK	1871508	0	0	0	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	TRINITY	084226000	08422600022808	None	GULF COAST AQUIFER	H	TRINITY	TRINITY	2281508	0	2	1	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	WALKER	084226000	08422600023608	None	GULF COAST AQUIFER	H	TRINITY	WALKER	2361508	0	0	1	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
LEAGUE CITY	H	SAN JACINTO-BRAZOS	GALVESTON	083500000	08350000008411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	77	119	119	119	119	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
LIBERTY	H	TRINITY	LIBERTY	080356000	08035600014608	None	GULF COAST AQUIFER	H	TRINITY	LIBERTY	1461508	0	18	23	34	69	119	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
LIVESTOCK	H	SAN JACINTO-BRAZOS	BRAZORIA	081005020	08100502002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	13	0	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
LIVESTOCK	H	SAN JACINTO-BRAZOS	GALVESTON	81005084	08100508408411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	10	26	26	26	26	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MADISONVILLE	H	TRINITY	MADISON	080382000	08038200015708	None	SPARTA AQUIFER	H	TRINITY	MADISON	1572708	0	34	56	75	100	127	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MAGNOLIA	H	SAN JACINTO	MONTGOMERY	080907000	08090700017010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	11	39	61	82	99	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	BRAZOS	AUSTIN	081001008	08100100800812	None	GULF COAST AQUIFER	H	BRAZOS	AUSTIN	0081512	0	19	36	51	64	85	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	BRAZOS-COLORADO	AUSTIN	081001008	08100100800813	None	GULF COAST AQUIFER	H	BRAZOS-COLORADO	AUSTIN	0081513	0	4	7	11	14	18	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	SAN JACINTO-BRAZOS	BRAZORIA	081001020	08100102002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	397	1821	2880	3364	3812	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	TRINITY-SAN JACINTO	CHAMBERS	081001036	08100103603609	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	CHAMBERS	0361509	0	191	197	189	154	139	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	SAN JACINTO-BRAZOS	GALVESTON	081001084	08100108408411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	232	604	604	604	604	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	SAN JACINTO	HARRIS	081001101	08100110110110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	3726	6894	6894	6894	6894	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	SAN JACINTO-BRAZOS	HARRIS	081001101	08100110110111	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	HARRIS	1011511	0	486	899	899	899	899	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	TRINITY-SAN JACINTO	HARRIS	081001101	08100110110109	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	HARRIS	1011509	0	528	976	976	976	976	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	TRINITY	LEON	081001145	08100114514508	None	QUEEN CITY AQUIFER	H	TRINITY	LEON	1452408	0	0	0	0	0	8	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	TRINITY	LEON	081001145	08100114514508	None	CARRIZO-WILCOX AQUIFER	H	BRAZOS	LEON	1451012	0	0	105	234	291	390	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	TRINITY	LEON	081001145	08100114514508	None	CARRIZO-WILCOX AQUIFER	H	TRINITY	LEON	1451008	0	128	148	145	202	201	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	SAN JACINTO	LIBERTY	081001146	08100114614610	None	GULF COAST AQUIFER	H	SAN JACINTO	LIBERTY	1461510	0	60	121	183	239	288	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	TRINITY	LIBERTY	081001146	08100114614608	None	GULF COAST AQUIFER	H	TRINITY	LIBERTY	1461508	0	12	23	35	46	55	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	TRINITY	MADISON	081001157	08100115715708	None	CARRIZO-WILCOX AQUIFER	H	TRINITY	MADISON	1572408	0	0	0	4	5	5	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	TRINITY	MADISON	081001157	08100115715708	None	CARRIZO-WILCOX AQUIFER	H	BRAZOS	MADISON	1571012	0	0	41	68	61	61	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	TRINITY	MADISON	081001157	08100115715708	None	CARRIZO-WILCOX AQUIFER	H	TRINITY	MADISON	1571008	0	29	15	11	41	72	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	SAN JACINTO	SAN JACINTO	081001204	08100120420410	None	GULF COAST AQUIFER	H	SAN JACINTO	SAN JACINTO	2041510	0	4	8	12	15	20	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	SAN JACINTO	WALKER	081001236	08100123623610	None	GULF COAST AQUIFER	H	SAN JACINTO	WALKER	2361510	0	92	176	262	337	416	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	TRINITY	WALKER	081001236	08100123623608	None	YEGUA-JACKSON AQUIFER	H	TRINITY	WALKER	2363108	0	627	1324	1515	1817	2155	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	BRAZOS	WALLER	081001237	08100123723712	None	GULF COAST AQUIFER	H	BRAZOS	WALLER	2371512	0	2	4	7	8	11	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANUFACTURING	H	SAN JACINTO	WALLER	081001237	08100123723710	None	GULF COAST AQUIFER	H	SAN JACINTO	WALLER	2371510	0	10	19	27	36	44	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MANVEL	H	SAN JACINTO-BRAZOS	BRAZORIA	080721000	08072100002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	23	25	22	18	15	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MERCY WSC	H	SAN JACINTO	LIBERTY	084253000	08425300014610	None	GULF COAST AQUIFER	H	SAN JACINTO	LIBERTY	1461510	0	13	25	38	51	67	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MERCY WSC	H	SAN JACINTO	SAN JACINTO	084253000	08425300020410	None	GULF COAST AQUIFER	H	SAN JACINTO	SAN JACINTO	2041510	0	66	117	149	166	175	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	BRAZOS	AUSTIN	081003008	08100300800812	None	GULF COAST AQUIFER	H	BRAZOS	AUSTIN	0081512	0	4	7	9	11	13	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	BRAZOS-COLORADO	AUSTIN	081003008	08100300800813	None	GULF COAST AQUIFER	H	BRAZOS-COLORADO	AUSTIN	0081513	0	0	0	0	1	1	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	COLORADO	AUSTIN	081003008	08100300800814	None	GULF COAST AQUIFER	H	COLORADO	AUSTIN	0081514	0	1	1	2	2	2	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	BRAZOS-COLORADO	BRAZORIA	081003020	08100302002013	None	GULF COAST AQUIFER	H	BRAZOS-COLORADO	BRAZORIA	0201513	0	133	182	226	243	246	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	SAN JACINTO-BRAZOS	BRAZORIA	081003020	08100302002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	35	59	70	74	75	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	NECHES-TRINITY	CHAMBERS	081003036	08100303603607	None	GULF COAST AQUIFER	H	NECHES-TRINITY	CHAMBERS	0361507	0	2	7	8	10	11	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	TRINITY	CHAMBERS	081003036	08100303603608	None	GULF COAST AQUIFER	H	TRINITY	CHAMBERS	0361508	0	197	305	408	504	581	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	TRINITY-SAN JACINTO	CHAMBERS	081003036	08100303603609	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	CHAMBERS	0361509	0	102	26	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	BRAZOS-COLORADO	FORT BEND	081003079	08100307907913	None	GULF COAST AQUIFER	H	BRAZOS-COLORADO	FORT BEND	0791513	0	4	4	6	7	9	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	NECHES-TRINITY	GALVESTON	081003084	08100308408407	None	GULF COAST AQUIFER	H	NECHES-TRINITY	GALVESTON	0841507	0	0	1	1	1	1	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	SAN JACINTO-BRAZOS	GALVESTON	081003084	08100308408411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	1	1	1	1	1	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	SAN JACINTO	HARRIS	081003101	08100310110110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	15	24	24	24	24	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	SAN JACINTO-BRAZOS	HARRIS	081003101	08100310110111	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	HARRIS	1011511	0	1	1	1	1	1	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	NECHES	LIBERTY	081003146	08100314614606	None	GULF COAST AQUIFER	H	NECHES	LIBERTY	1461506	0	0	0	0	0	1	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	NECHES-TRINITY	LIBERTY	081003146	08100314614607	None	GULF COAST AQUIFER	H	NECHES-TRINITY	LIBERTY	1461507	0	0	0	1	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	SAN JACINTO	LIBERTY	081003146	08100314614610	None	GULF COAST AQUIFER	H	SAN JACINTO	LIBERTY	1461510	0	0	0	0	1	1	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	TRINITY	LIBERTY	081003146	08100314614608	None	GULF COAST AQUIFER	H	TRINITY	LIBERTY	1461508	0	57	109	157	211	268	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	TRINITY-SAN JACINTO	LIBERTY	081003146	08100314614609	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	LIBERTY	1461509	0	10	15	20	25	30	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MINING	H	TRINITY	POLK	081003187	08100318718708	None	GULF COAST AQUIFER	H	TRINITY	POLK	1871508	0	2	3	4	5	6	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MONT BELVIEU	H	TRINITY	CHAMBERS	080413000	08041300003608	None	GULF COAST AQUIFER	H	TRINITY	CHAMBERS	0361508	0	29	56	77	99	121	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MONT BELVIEU	H	TRINITY-SAN JACINTO	CHAMBERS	080413000	08041300003609	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	CHAMBERS	0361509	0	23	38	48	56	62	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MONTGOMERY	H	SAN JACINTO	MONTGOMERY	MONTGOMERY	MONTGOMERY17010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	396	513	583	596	587	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MONTGOMERY COUNTY MUD #18	H	SAN JACINTO	MONTGOMERY	084261000	08426100017010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	215	473	704	880	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
MONTGOMERY COUNTY MUD #9	H	SAN JACINTO	MONTGOMERY	084264000	08426400017010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	6	31	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
NEEDVILLE	H	BRAZOS	FORT BEND	080428000	08042800007912	None	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	43	97	152	229	320	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
NEEDVILLE	H	BRAZOS-COLORADO	FORT BEND	080428000	08042800007913	None	GULF COAST AQUIFER	H	BRAZOS-COLORADO	FORT BEND	0791513	0	53	118	185	277	387	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
NEW CANEY MUD	H	SAN JACINTO	MONTGOMERY	084272000	08427200017010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	0	5	55	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
NEW WAVERLY	H	SAN JACINTO	WALKER	080926000	08092600023610	None	GULF COAST AQUIFER	H	SAN JACINTO	WALKER	2361510	0	17	25	18	17	17	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
NFBWA	H	BRAZOS	FORT BEND	NFBWA	NFBWA07912	NFBWA	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	150	0	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
NFBWA	H	SAN JACINTO-BRAZOS	FORT BEND	NFBWA	NFBWA07911	NFBWA	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	FORT BEND	0791511	0	6440	2725	2725	2725	2725	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
NORMANGEE	H	BRAZOS	LEON	080927000	08092700014512	None	CARRIZO-WILCOX AQUIFER	H	TRINITY	LEON	1451008	0	4	7	6	5	6	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
NORMANGEE	H	TRINITY	LEON	080927000	08092700014508	None	CARRIZO-WILCOX AQUIFER	H	TRINITY	LEON	1451008	0	11	16	14	13	14	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
NORMANGEE	H	TRINITY	MADISON	080927000	08092700015708	None	CARRIZO-WILCOX AQUIFER	H	TRINITY	MADISON	1571008	0	2	3	3	4	4	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
OLD RIVER-WINFREE	H	TRINITY	CHAMBERS	080727000	08072700003608	None	GULF COAST AQUIFER	H	TRINITY	CHAMBERS	0361508	0	0	0	0	1	3	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
ONALASKA	H	TRINITY	POLK	080933000	08093300018708	None	GULF COAST AQUIFER	H	TRINITY	POLK	1871508	0	40	71	92	113	136	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
ONALASKA WSC	H	TRINITY	POLK	084293000	08429300018708	None	GULF COAST AQUIFER	H	TRINITY	POLK	1871508	0	4	7	2	6	15	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
ORBIT SYSTEMS INC	H	BRAZOS-COLORADO	BRAZORIA	084294000	08429400002013	None	GULF COAST AQUIFER	H	BRAZOS-COLORADO	BRAZORIA	0201513	0	5	12	20	27	36	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
ORBIT SYSTEMS INC	H	SAN JACINTO-BRAZOS	BRAZORIA	084294000	08429400002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	62	124	185	247	321	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
OYSTER CREEK	H	SAN JACINTO-BRAZOS	BRAZORIA	080730000	08073000002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	15	24	27	29	30	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
PASADENA	H	SAN JACINTO	HARRIS	080456000	08045600010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	145	277	277	277	277	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
PASADENA	H	SAN JACINTO-BRAZOS	HARRIS	080456000	08045600010111	CITY OF PASADENA	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	HARRIS	1011511	0	40	77	77	77	77	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
PEARLAND	H	SAN JACINTO-BRAZOS	BRAZORIA	080457000	08045700002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	0	421	1142	1692	2074	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
PEARLAND	H	SAN JACINTO-BRAZOS	HARRIS	080457000	08045700010111	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	HARRIS	1011511	0	14	27	27	27	27	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
PINE ISLAND	H	BRAZOS	WALLER	080938000	08093800023712	None	GULF COAST AQUIFER	H	BRAZOS	WALLER	2371512	0	29	60	93	137	188	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
PINE TRAILS UTILITY	H	SAN JACINTO	HARRIS	084302000	08430200010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	14	26	26	26	26	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
PINEY POINT VILLAGE	H	SAN JACINTO	HARRIS	080468000	08046800010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	8	17	17	17	17	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
PLEAK	H	BRAZOS	FORT BEND	081053000	08105300007912	none	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	63	180	298

Region H

Table 4A-7: WMS Supply Allocations by WUG

WUG Name	WUG RWPG	WUG Basin	WUG County	WUG ID	WUG-County-Basin ID	Wholesale Water Provider	Water Source	Source RWPG	Source Basin	Source County	Source-Basin ID	2010	2020	2030	2040	2050	2060	Non-Recursive Volume?	Major WMS Project Name	WUG-Level WMS Name
RIVERSIDE WSC	H	TRINITY	SAN JACINTO	084323000	08432300020408	None	GULF COAST AQUIFER	H	TRINITY	SAN JACINTO	2041508	0	29	63	120	152	187	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
RIVERSIDE WSC	H	TRINITY	WALKER	084323000	08432300023608	None	GULF COAST AQUIFER	H	TRINITY	WALKER	2361508	0	0	5	49	72	109	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
ROMAN FOREST	H	SAN JACINTO	MONTGOMERY	080801000	08080100017010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	65	142	198	250	293	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SAN FELIPE	H	BRAZOS	AUSTIN	080954000	08095400000812	None	GULF COAST AQUIFER	H	BRAZOS	AUSTIN	0081512	0	21	35	43	46	52	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SAN JACINTO WSC	H	TRINITY	SAN JACINTO	084328000	08432800020408	None	GULF COAST AQUIFER	H	TRINITY	SAN JACINTO	2041508	0	68	122	155	171	181	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SAN LEON MUD	H	SAN JACINTO-BRAZOS	GALVESTON	084329000	08432900008411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	4	5	5	5	5	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SEABROOK	H	SAN JACINTO-BRAZOS	HARRIS	080545000	08054500010111	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	HARRIS	1011511	0	45	87	87	87	87	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SEALY	H	BRAZOS	AUSTIN	080549000	08054900000812	None	GULF COAST AQUIFER	H	BRAZOS	AUSTIN	0081512	0	360	608	725	785	888	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SHEPHERD	H	TRINITY	SAN JACINTO	080746000	08074600020408	None	GULF COAST AQUIFER	H	TRINITY	SAN JACINTO	2041508	0	54	93	110	123	130	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SHOREACRES	H	SAN JACINTO-BRAZOS	HARRIS	080558000	08055800010111	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	HARRIS	1011511	0	2	3	3	3	3	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SIMONTON	H	BRAZOS	FORT BEND	081062000	08106200007912	None	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	78	173	232	352	494	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SOUTH HOUSTON	H	SAN JACINTO	HARRIS	080569000	08056900010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	21	47	47	47	47	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SOUTHSIDE PLACE	H	SAN JACINTO	HARRIS	080572000	08057200010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	6	10	10	10	10	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SOUTHWEST UTILITIES	H	SAN JACINTO-BRAZOS	BRAZORIA	084343000	08434300002011	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	0	0	1	3	7	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SOUTHWEST UTILITIES	H	SAN JACINTO	LIBERTY	084343000	08434300014610	None	GULF COAST AQUIFER	H	SAN JACINTO	LIBERTY	1461510	0	2	4	6	9	12	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SPLENDORA	H	SAN JACINTO	MONTGOMERY	080962000	08096200017010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	6	17	25	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SPRING CREEK UD	H	SAN JACINTO	MONTGOMERY	084344000	08434400017010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	0	17	37	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
STAGECOACH	H	SAN JACINTO	MONTGOMERY	STAGECOACH	STAGECOACH17010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	7	15	24	36	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
STEAM ELECTRIC POWER	H	SAN JACINTO-BRAZOS	GALVESTON	081002084	08100208408411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	401	469	469	469	469	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
STEAM ELECTRIC POWER	H	SAN JACINTO	HARRIS	081002101	08100210110110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	2259	2641	2641	2641	2641	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
STEAM ELECTRIC POWER	H	SAN JACINTO-BRAZOS	HARRIS	081002101	08100210110111	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	HARRIS	1011511	0	94	117	117	117	117	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
STEAM ELECTRIC POWER	H	TRINITY	LIBERTY	081002146	08100214614608	None	GULF COAST AQUIFER	H	TRINITY	LIBERTY	1461508	0	1278	1995	2869	3934	5077	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
STEAM ELECTRIC POWER	H	TRINITY	LIBERTY	081002146	08100214614608	None	GULF COAST AQUIFER	H	TRINITY	LIBERTY	1461508	0	0	0	0	0	156	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
STEAM ELECTRIC POWER	H	SAN JACINTO	MONTGOMERY	081002170	08100217017010	None	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	1037	811	728	588	502	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SURFSIDE BEACH	H	BRAZOS	BRAZORIA	080967000	08096700002012	None	GULF COAST AQUIFER	H	BRAZOS	BRAZORIA	0201512	0	11	29	47	66	88	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
SWEENY	H	BRAZOS-COLORADO	BRAZORIA	080590000	08059000002013	None	GULF COAST AQUIFER	H	BRAZOS-COLORADO	BRAZORIA	0201513	0	0	17	37	68	106	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
THE WOODLANDS	H	SAN JACINTO	MONTGOMERY	088001000	08800100017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	4038	2033	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
TIKI ISLAND	H	SAN JACINTO-BRAZOS	GALVESTON	080973000	08097300008411	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	0	4	6	6	6	6	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
TRINITY	H	TRINITY	TRINITY	080610000	08061000022808	None	UNDIFFERENTIATED AQUIFER	H	TRINITY	TRINITY	2282208	0	2	0	0	0	0	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
VARNER CREEK UD	H	BRAZOS	BRAZORIA	084370000	08437000002012	None	GULF COAST AQUIFER	H	BRAZOS	BRAZORIA	0201512	0	45	108	166	228	296	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
WALKER COUNTY RURAL WSC	H	TRINITY	WALKER	084372000	08437200023608	None	SPARTA AQUIFER	H	TRINITY	WALKER	2362708	0	78	119	119	131	146	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
WALLER	H	SAN JACINTO	HARRIS	080629000	08062900010110	None	GULF COAST AQUIFER	H	SAN JACINTO	WALLER	2371510	0	70	112	146	179	10	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
WALLER	H	SAN JACINTO	WALLER	080629000	08062900023710	None	GULF COAST AQUIFER	H	SAN JACINTO	WALLER	2371510	0	72	156	252	366	501	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
WALLIS	H	BRAZOS-COLORADO	AUSTIN	080630000	08063000008313	None	GULF COAST AQUIFER	H	BRAZOS-COLORADO	AUSTIN	0081513	0	16	24	29	31	30	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
WEBSTER	H	SAN JACINTO-BRAZOS	HARRIS	080635000	08063500010111	None	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	HARRIS	1011511	0	68	135	135	135	135	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
WEST HARDIN WSC	H	NECHES	LIBERTY	084383000	08438300014606	None	GULF COAST AQUIFER	H	NECHES	LIBERTY	1461506	0	6	13	18	25	34	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
WEST UNIVERSITY PL.	H	SAN JACINTO	HARRIS	080643000	08064300010110	None	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	0	35	48	48	48	48	Y	EXPANDED USE OF GW	EXPANDED USE OF GW
FORT BEND COUNTY MUD #25	H	SAN JACINTO-BRAZOS	FORT BEND	084122000	08412200007911	None	FORT BEND MUD 25 REUSE	H	SAN JACINTO-BRAZOS	FORT BEND	FBMD511	0	589	589	589	589	589	Y	FORT BEND MUD 25 REUSE	FORT BEND MUD 25 REUSE
COUNTY-OTHER	H	BRAZOS	FORT BEND	080757079	08075707907912	BRAZOS RIVER AUTHORITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	13942	Y	FORT BEND OCR	BRA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO	FORT BEND	080757079	08075707907910	BRAZOS RIVER AUTHORITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	1800	Y	FORT BEND OCR	BRA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	FORT BEND	080757079	08075707907911	BRAZOS RIVER AUTHORITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	9339	Y	FORT BEND OCR	BRA to WUG Contract
FAIRCHILDS	H	BRAZOS	FORT BEND	081019000	08101900007912	BRAZOS RIVER AUTHORITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	338	Y	FORT BEND OCR	BRA to WUG Contract
FIRST COLONY MUD #9	H	BRAZOS	FORT BEND	084113000	08411300007912	MISSOURI CITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	140	Y	FORT BEND OCR	Missouri City to WUG Contract
FORT BEND COUNTY MUD #106	H	BRAZOS	FORT BEND	084117000	08411700007912	SUGAR LAND	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	161	Y	FORT BEND OCR	Sugar Land to WUG Contract
FORT BEND COUNTY MUD #23	H	SAN JACINTO-BRAZOS	FORT BEND	084121000	08412100007911	MISSOURI CITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	103	Y	FORT BEND OCR	Missouri City to WUG Contract
FORT BEND COUNTY MUD #25	H	SAN JACINTO-BRAZOS	FORT BEND	084122000	08412200007911	BRAZOS RIVER AUTHORITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	1950	Y	FORT BEND OCR	BRA to WUG Contract
FORT BEND COUNTY MUD #81	H	BRAZOS	FORT BEND	084129000	08412900007912	BRAZOS RIVER AUTHORITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	796	Y	FORT BEND OCR	BRA to WUG Contract
MANUFACTURING	H	BRAZOS	FORT BEND	081001079	08100107907912	BRAZOS RIVER AUTHORITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	16	Y	FORT BEND OCR	BRA to WUG Contract
MANUFACTURING	H	SAN JACINTO	FORT BEND	081001079	08100107907910	BRAZOS RIVER AUTHORITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	5	Y	FORT BEND OCR	BRA to WUG Contract
MINING	H	BRAZOS	FORT BEND	081003079	08100307907912	BRAZOS RIVER AUTHORITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	11	Y	FORT BEND OCR	BRA to WUG Contract
MINING	H	SAN JACINTO	FORT BEND	081003079	08100307907910	BRAZOS RIVER AUTHORITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	5	Y	FORT BEND OCR	BRA to WUG Contract
MINING	H	SAN JACINTO-BRAZOS	FORT BEND	081003079	08100307907911	GULF COAST WATER AUTHORITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	16	Y	FORT BEND OCR	GCWA to WUG Contract
MISSOURI CITY	H	SAN JACINTO	FORT BEND	080409000	08040900007910	MISSOURI CITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	723	Y	FORT BEND OCR	Missouri City to WUG Contract
MISSOURI CITY	H	SAN JACINTO-BRAZOS	FORT BEND	080409000	08040900007911	MISSOURI CITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	3535	Y	FORT BEND OCR	Missouri City to WUG Contract
ORBIT SYSTEMS INC	H	SAN JACINTO-BRAZOS	FORT BEND	084294000	08429400007911	BRAZOS RIVER AUTHORITY	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	5	Y	FORT BEND OCR	BRA to WUG Contract
PLANTATION MUD	H	SAN JACINTO-BRAZOS	FORT BEND	084303000	08430300007911	SUGAR LAND	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	88	Y	FORT BEND OCR	Sugar Land to WUG Contract
RICHMOND	H	BRAZOS	FORT BEND	080500000	08050000007912	RICHMOND-ROSENBERG	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	167	Y	FORT BEND OCR	Richmond-Rosenberg to WUG Contract
ROSENBERG	H	BRAZOS	FORT BEND	080518000	08051800007912	RICHMOND-ROSENBERG	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	90	3630	Y	FORT BEND OCR	Richmond-Rosenberg to WUG Contract
STEAM ELECTRIC POWER	H	BRAZOS	FORT BEND	081002079	08100207907912	NRG	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	8500	Y	FORT BEND OCR	NRG to WUG Contract
SUGAR LAND	H	SAN JACINTO-BRAZOS	FORT BEND	080585000	08058500007911	SUGAR LAND	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR12	0	0	0	0	0	673	Y	FORT BEND OCR	Sugar Land to WUG Contract
MANUFACTURING	H	BRAZOS	BRAZORIA	081001020	08100102002012	BRAZOS RIVER AUTHORITY	FREEPORT DESALINATION PLANT	H	GULF	RESERVOIR	FPDESAL24	0	0	0	0	29116	29116	Y	FREEPORT DESALINATION PLANT	BRA to WUG Contract
MANUFACTURING	H	SAN JACINTO-BRAZOS	BRAZORIA	081001020	08100102002011	BRAZOS RIVER AUTHORITY	FREEPORT DESALINATION PLANT	H	GULF	RESERVOIR	FPDESAL24	0	0	0	0	4484	4484	Y	FREEPORT DESALINATION PLANT	BRA to WUG Contract
FULSHEAR	H	BRAZOS	FORT BEND	080869000	08086900007912	none	FULSHEAR REUSE	H	BRAZOS	FORT BEND	FURU12	0	172	258	258	258	258	Y	FULSHEAR REUSE	Fulshear Reuse
FULSHEAR	H	SAN JACINTO-BRAZOS	FORT BEND	080869000	08086900007911	none	FULSHEAR REUSE	H	BRAZOS	FORT BEND	FURU12	0	115	172	172	172	172	Y	FULSHEAR REUSE	Fulshear Reuse
MANUFACTURING	H	BRAZOS	BRAZORIA	081001020	08100102002012	GULF COAST WATER AUTHORITY	GCWA OFFCHANNEL RESERVOIR	H	SAN JACINTO-BRAZOS	RESERVOIR	GCWAOC11	0	0	37920	37920	37920	37920	Y	GCWA OFFCHANNEL RESERVOIR	GCWA to WUG Contract
MANUFACTURING	H	SAN JACINTO-BRAZOS	BRAZORIA	081001020	08100102002011	GULF COAST WATER AUTHORITY	GCWA OFFCHANNEL RESERVOIR	H	SAN JACINTO-BRAZOS	RESERVOIR	GCWAOC11	0	0	1580	1580	1580	1580	Y	GCWA OFFCHANNEL RESERVOIR	GCWA to WUG Contract
HARRIS COUNTY MUD #50	H	SAN JACINTO	HARRIS	084185000	08418500010110	none	SAN JACINTO RIVER RUN-OF-RIVER	H	SAN JACINTO	HARRIS	346100496410	560	560	560	560	560	560	N	Harris County MUD 50 WTP	Harris County MUD 50 WTP
HARRIS COUNTY MUD #50	H	SAN JACINTO	HARRIS	084185000	08418500010110	none	HOUSTON LAKE/RESERVOIR	H	SAN JACINTO	RESERVOIR	1003010	0	0	0	0	28	72	N	Harris County MUD 50 WTP	Harris County MUD 50 WTP
COUNTY-OTHER	H	SAN JACINTO	HARRIS	080757101	08075710110110	CITY OF HOUSTON	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	351010110	0	0	0	11372	32445	32445	Y	HOUSTON INDIRECT REUSE	HOUSTON INDIRECT REUSE
HOUSTON	H	SAN JACINTO	HARRIS	080285000	08028500010110	CITY OF HOUSTON	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	351010110	0	0	0	12518	20450	66201	Y	HOUSTON INDIRECT REUSE	HOUSTON INDIRECT REUSE
MANUFACTURING	H	SAN JACINTO-BRAZOS	HARRIS	081001101	08100110110111	CITY OF HOUSTON	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	351010110	0	0	0	14250	16080	16080	Y	HOUSTON INDIRECT REUSE	HOUSTON INDIRECT REUSE
NHCRWA	H	SAN JACINTO	HARRIS	088000000	08800000010110	NHCRWA	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	351010110	0	0	0	18130	31629	0	Y	HOUSTON INDIRECT REUSE	HOUSTON INDIRECT REUSE
STEAM ELECTRIC POWER	H	SAN JACINTO	HARRIS	081002101	08100210110110	CITY OF HOUSTON	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	351010110	0	0	0	8634	12318	12318	Y	HOUSTON INDIRECT REUSE	HOUSTON INDIRECT REUSE
STEAM ELECTRIC POWER	H	SAN JACINTO-BRAZOS	HARRIS	081002101	08100210110111	CITY OF HOUSTON	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	351010110	0	0	0	1516	1757	1757	Y	HOUSTON INDIRECT REUSE	HOUSTON INDIRECT REUSE
MANUFACTURING	H	SAN JACINTO-BRAZOS	FORT BEND	081001079	08100107907911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	3811079311	0	558	558	558	558	558	Y	INDUSTRIAL CONSERVATION	INDUSTRIAL CONSERVATION
BEACH CITY	H	TRINITY	CHAMBERS	080822000	08082200003608	None	GULF COAST AQUIFER	H	TRINITY	CHAMBERS	0361508	32	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
CLEAR LAKE SHORES	H	SAN JACINTO-BRAZOS	GALVESTON	080764000	08076400008411	none	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	83	0	0	0	0	0	Y	INTERIM GROUNDWATER	INTERIM GROUNDWATER
CONROE	H	SAN JACINTO	MONTGOMERY	080130000	08013000017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	1870	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
CONSUMERS WATER INC	H	SAN JACINTO	MONTGOMERY	084072000	08407200017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	38	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
COUNTY-OTHER	H	BRAZORIA	BRAZORIA	080757020	08075702002012	none	GULF COAST AQUIFER	H	BRAZOS	BRAZORIA	0201512	0	0	0	0	0	0	Y	INTERIM GROUNDWATER	INTERIM GROUNDWATER
COUNTY-OTHER	H	TRINITY	CHAMBERS	080757036	08075703603608	None	GULF COAST AQUIFER	H	TRINITY	CHAMBERS	0361508	193	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
COUNTY-OTHER	H	SAN JACINTO	MONTGOMERY	080757170	08075717017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	3989	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
CRYSTAL SPRNGS WATER COMPANY	H	SAN JACINTO	MONTGOMERY	084081000	08408100017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	103	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
CUT AND SHOOT	H	SAN JACINTO	MONTGOMERY	080854000	08085400017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	36	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
DICKINSON	H	SAN JACINTO-BRAZOS	GALVESTON	080165000	08016500008411	none	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	489	0	0	0	0	0	Y	INTERIM GROUNDWATER	INTERIM GROUNDWATER
EAST PLANTATION UD	H	SAN JACINTO	MONTGOMERY	084098000	08409800017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	82	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
H M W SUD	H	SAN JACINTO	MONTGOMERY	084147000	08414700017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	282	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
KEMAH	H	SAN JACINTO-BRAZOS	GALVESTON	080316000	08031600008411	none	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	171	0	0	0	0	0	Y	INTERIM GROUNDWATER	INTERIM GROUNDWATER
LEAGUE CITY	H	SAN JACINTO-BRAZOS	GALVESTON	080350000	08035000008411	none	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	2835	0	0	0	0	0	Y	INTERIM GROUNDWATER	INTERIM GROUNDWATER
LEAGUE CITY	H	SAN JACINTO-BRAZOS	HARRIS	080350000	08035000010111	none	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	15	0	0	0	0	0	Y	INTERIM GROUNDWATER	INTERIM GROUNDWATER
LIVESTOCK	H	NECHES-TRINITY	GALVESTON	081005084	08100508408407	none	GULF COAST AQUIFER	H	NECHES-TRINITY	GALVESTON	0841507	14	0	0	0	0	0	Y	INTERIM Groundwater	INTERIM GROUNDWATER
MAGNOLIA	H	SAN JACINTO	MONTGOMERY	080907000	08090700017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	77	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
MANUFACTURING	H	BRAZOS	BRAZORIA	081001020	08100102002012	none	GULF COAST AQUIFER	H	BRAZOS	BRAZORIA	0201512	24916	0	0	0	0	0	Y	INTERIM GROUNDWATER	INTERIM GROUNDWATER
MANUFACTURING	H	SAN JACINTO	MONTGOMERY	081001170	08100117017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	469	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
MINING	H	BRAZOS	BRAZORIA	081003020	08100302002012	none	GULF COAST AQUIFER	H	BRAZOS	BRAZORIA	0201512	0	0	0	0	0	0	Y	INTERIM GROUNDWATER	INTERIM GROUNDWATER
MINING	H	BRAZOS-COLORADO	BRAZORIA	081003020	08100302002013	none	GULF COAST AQUIFER	H	BRAZOS-COLORADO	BRAZORIA	0201513	0	0	0	0	0	0	Y	INTERIM GROUNDWATER	INTERIM GROUNDWATER
MINING	H	SAN JACINTO-BRAZOS	BRAZORIA	081003020	08100302002011	none	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	BRAZORIA	0201511	0	0	0	0	0	0	Y	INTERIM GROUNDWATER	INTERIM GROUNDWATER
MINING	H	SAN JACINTO-BRAZOS	GALVESTON	081003084	08100308408411	none	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	15	0	0	0	0	0	Y	INTERIM Groundwater	INTERIM GROUNDWATER
MINING	H	SAN JACINTO	MONTGOMERY	081003170	08100317017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	110	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
MONT BELVIEU	H	TRINITY	CHAMBERS	080413000	08041300003608	None	GULF COAST AQUIFER	H	TRINITY	CHAMBERS	0361508	516	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
MONTGOMERY	H	SAN JACINTO	MONTGOMERY	MONTGOMERY	MONTGOMERY17010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	43	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
MONTGOMERY COUNTY MUD #18	H	SAN JACINTO	MONTGOMERY	084261000	08426100017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	318	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
MONTGOMERY COUNTY MUD #19	H	SAN JACINTO	MONTGOMERY	084262000	08426200017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	80	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
MONTGOMERY COUNTY MUD #8	H	SAN JACINTO	MONTGOMERY	084263000	08426300017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	143	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
MONTGOMERY COUNTY MUD #9	H	SAN JACINTO	MONTGOMERY	084264000	08426400017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	138	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
MONTGOMERY COUNTY UD #2	H	SAN JACINTO	MONTGOMERY	084265000	08426500017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	97	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
MONTGOMERY COUNTY UD #3	H	SAN JACINTO	MONTGOMERY	084266000	08426600017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	82	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
MONTGOMERY COUNTY UD #4	H	SAN JACINTO	MONTGOMERY	084267000	08426700017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	167	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
MONTGOMERY COUNTY WCID #1	H	SAN JACINTO	MONTGOMERY	084268000	08426800017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	84	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
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Region H

Table 4A-7: WMS Supply Allocations by WUG

WUG Name	WUG RWPG	WUG Basin	WUG County	WUG ID	WUG-County-Basin ID	Wholesale Water Provider	Water Source	Source RWPG	Source Basin	Source County	Source-Basin ID	2010	2020	2030	2040	2050	2060	Non-Recursive Volume?	Major WMS Project Name	WUG-Level WMS Name
SOUTHWEST UTILITIES	H	SAN JACINTO	MONTGOMERY	084343000	08434300017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	43	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
SPLENDORA	H	SAN JACINTO	MONTGOMERY	080962000	08096200017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	33	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
SPRING CREEK UD	H	SAN JACINTO	MONTGOMERY	084344000	08434400017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	91	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
STAGECOACH	H	SAN JACINTO	MONTGOMERY	STAGECOACH	STAGECOACH17010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	14	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
STANLEY LAKE MUD	H	SAN JACINTO	MONTGOMERY	084347000	08434700017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	126	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
STEAM ELECTRIC POWER	H	SAN JACINTO-BRAZOS	GALVESTON	081002084	08100208408411	none	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	GALVESTON	0841511	2803	0	0	0	0	0	Y	INTERIM Groundwater	INTERIM GROUNDWATER
THE WOODLANDS	H	SAN JACINTO	MONTGOMERY	088001000	08800100017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	2438	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
WILLIS	H	SAN JACINTO	MONTGOMERY	080655000	08065500017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	96	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
WOODBRANCH	H	SAN JACINTO	MONTGOMERY	080807000	08080700017010	none	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	32	0	0	0	0	0	Y	INTERIM GROUNDWATER	Interim Groundwater
IRRIGATION	H	BRAZOS	BRAZORIA	081004020	08100402002012	None	CONSERVATION	H	BRAZOS	BRAZORIA	381302012	582	582	582	582	582	582	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	BRAZOS-COLORADO	BRAZORIA	081004020	08100402002013	None	CONSERVATION	H	BRAZOS-COLORADO	BRAZORIA	381302013	771	771	771	771	771	771	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	SAN JACINTO-BRAZOS	BRAZORIA	081004020	08100402002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381302011	17439	17439	17439	17439	17439	17439	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	NECHES-TRINITY	CHAMBERS	081004036	08100403603607	None	CONSERVATION	H	NECHES-TRINITY	CHAMBERS	380803607	16981	16981	16981	16981	16981	16981	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	TRINITY	CHAMBERS	081004036	08100403603608	None	CONSERVATION	H	TRINITY	CHAMBERS	380803608	6677	6677	6677	6677	6677	6677	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	TRINITY-SAN JACINTO	CHAMBERS	081004036	08100403603609	None	CONSERVATION	H	TRINITY-SAN JACINTO	CHAMBERS	380803609	360	360	360	360	360	360	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	BRAZOS	FORT BEND	081004079	08100407907912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	1757	1757	1757	1757	1651	1388	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	BRAZOS-COLORADO	FORT BEND	081004079	08100407907913	None	CONSERVATION	H	BRAZOS-COLORADO	FORT BEND	381207913	0	0	0	0	106	369	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	SAN JACINTO-BRAZOS	FORT BEND	081004079	08100407907911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381207911	3440	3440	3440	3440	3440	3440	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	SAN JACINTO-BRAZOS	GALVESTON	081004084	08100408408411	None	CONSERVATION	H	SAN JACINTO-BRAZOS	GALVESTON	381108411	2392	2392	2392	2392	2392	2392	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	NECHES	LIBERTY	081004146	08100414614606	None	CONSERVATION	H	NECHES	LIBERTY	380814606	835	835	835	835	835	835	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	NECHES-TRINITY	LIBERTY	081004146	08100414614607	None	CONSERVATION	H	NECHES-TRINITY	LIBERTY	380814607	2088	2088	2088	2088	2088	2088	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	SAN JACINTO	LIBERTY	081004146	08100414614610	None	CONSERVATION	H	SAN JACINTO	LIBERTY	380814610	209	209	209	209	209	209	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	TRINITY	LIBERTY	081004146	08100414614608	None	CONSERVATION	H	TRINITY	LIBERTY	380814608	13360	13360	13360	13360	13360	13360	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	TRINITY-SAN JACINTO	LIBERTY	081004146	08100414614609	None	CONSERVATION	H	TRINITY-SAN JACINTO	LIBERTY	380814609	4384	4384	4384	4384	4384	4384	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	BRAZOS	WALLER	081004237	08100423723712	None	CONSERVATION	H	BRAZOS	WALLER	381023712	0	0	0	0	1387	1387	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
IRRIGATION	H	SAN JACINTO	WALLER	081004237	08100423723710	None	CONSERVATION	H	SAN JACINTO	WALLER	381023710	0	0	0	0	5219	5219	Y	IRRIGATION CONSERVATION	IRRIGATION CONSERVATION
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	LIBERTY	084226000	08422600014608	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	72	71	72	73	77	80	N	LLWSSSC SURFACE WATER PROJECT	PROJECT
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	POLK	084226000	08422600018708	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	591	577	569	568	571	577	N	LLWSSSC SURFACE WATER PROJECT	PROJECT
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	SAN JACINTO	SAN JACINTO	084226000	08422600020410	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	63	70	73	75	75	74	N	LLWSSSC SURFACE WATER PROJECT	PROJECT
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	SAN JACINTO	084226000	08422600020408	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	137	150	159	163	162	158	N	LLWSSSC SURFACE WATER PROJECT	PROJECT
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	TRINITY	084226000	08422600022808	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	72	68	64	59	54	50	N	LLWSSSC SURFACE WATER PROJECT	PROJECT
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	WALKER	084226000	08422600023608	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	19	18	17	16	15	15	N	LLWSSSC SURFACE WATER PROJECT	PROJECT
STEAM ELECTRIC POWER	H	BRAZOS	FORT BEND	081002079	08100207907912	NRG	MILLICAN LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	MLR12	0	0	0	0	0	0	Y	MILLICAN LAKE/RESERVOIR	NRG to WUG Contract
MISSOURI CITY	H	BRAZOS	FORT BEND	080409000	08040900007912	MISSOURI CITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	346120516812	0	157	157	157	157	157	Y	MISSOURI CITY ASR	Missouri City GRP - ASR
MISSOURI CITY	H	SAN JACINTO	FORT BEND	080409000	08040900007910	MISSOURI CITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	346120516812	0	662	662	662	662	662	Y	MISSOURI CITY ASR	Missouri City GRP - ASR
MISSOURI CITY	H	SAN JACINTO-BRAZOS	FORT BEND	080409000	08040900007911	MISSOURI CITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	346120516812	0	2955	2955	2955	2955	2955	Y	MISSOURI CITY ASR	Missouri City GRP - ASR
MISSOURI CITY	H	SAN JACINTO	HARRIS	080409000	08040900010110	MISSOURI CITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	346120516812	0	373	373	373	373	373	Y	MISSOURI CITY ASR	Missouri City GRP - ASR
COUNTY-OTHER	H	BRAZOS	FORT BEND	080757079	08075707907912	MISSOURI CITY	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	172	859	929	946	959	Y	MISSOURI CITY GRP	Missouri City GRP Participation
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	FORT BEND	080757079	08075707907911	MISSOURI CITY	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	FORT BEND	0791511	0	26	85	594	778	829	Y	MISSOURI CITY GRP	Missouri City GRP Participation
FIRST COLONY MUD #9	H	BRAZOS	FORT BEND	084113000	08411300007912	MISSOURI CITY	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	342	390	163	78	50	Y	MISSOURI CITY GRP	Missouri City GRP Participation
FORT BEND COUNTY MUD #23	H	SAN JACINTO-BRAZOS	FORT BEND	084121000	08412100007911	MISSOURI CITY	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	FORT BEND	0791511	0	464	526	210	94	58	Y	MISSOURI CITY GRP	Missouri City GRP Participation
MISSOURI CITY	H	BRAZOS	FORT BEND	080409000	08040900007912	MISSOURI CITY	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	-514	-1249	-1092	-1024	-1009	Y	MISSOURI CITY GRP	Missouri City GRP Participation
MISSOURI CITY	H	SAN JACINTO-BRAZOS	FORT BEND	080409000	08040900007911	MISSOURI CITY	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	FORT BEND	0791511	0	-664	-526	-683	-751	-766	Y	MISSOURI CITY GRP	Missouri City GRP Participation
SIENNA PLANTATION MUD #2	H	SAN JACINTO-BRAZOS	FORT BEND	084334000	08433400007911	MISSOURI CITY	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	FORT BEND	0791511	0	-26	-85	-121	-121	-121	Y	MISSOURI CITY GRP	Missouri City GRP Participation
MISSOURI CITY	H	BRAZOS	FORT BEND	080409000	08040900007912	MISSOURI CITY	MISSOURI CITY GRP REUSE	H	SAN JACINTO-BRAZOS	FORT BEND	MORU11	0	470	470	470	470	470	Y	MISSOURI CITY GRP REUSE	MISSOURI CITY GRP REUSE
MISSOURI CITY	H	SAN JACINTO	FORT BEND	080409000	08040900007910	MISSOURI CITY	MISSOURI CITY GRP REUSE	H	SAN JACINTO-BRAZOS	FORT BEND	MORU11	0	53	53	53	53	53	Y	MISSOURI CITY GRP REUSE	MISSOURI CITY GRP REUSE
MISSOURI CITY	H	SAN JACINTO-BRAZOS	FORT BEND	080409000	08040900007911	MISSOURI CITY	MISSOURI CITY GRP REUSE	H	SAN JACINTO-BRAZOS	FORT BEND	MORU11	0	104	104	104	104	104	Y	MISSOURI CITY GRP REUSE	MISSOURI CITY GRP REUSE
MISSOURI CITY	H	SAN JACINTO	HARRIS	080409000	08040900010110	MISSOURI CITY	MISSOURI CITY GRP REUSE	H	SAN JACINTO-BRAZOS	FORT BEND	MORU11	0	13	13	13	13	13	Y	MISSOURI CITY GRP REUSE	MISSOURI CITY GRP REUSE
MONTGOMERY COUNTY MUD #8	H	SAN JACINTO	MONTGOMERY	084263000	08426300017010	SAN JACINTO RIVER AUTHORITY	MONTGOMERY COUNTY GRP REUSE	H	SAN JACINTO	MONTGOMERY	MCGR10	0	332	401	534	534	534	Y	MUD 8 AND 9 REUSE	MUD 8 AND 9 REUSE
MONTGOMERY COUNTY MUD #9	H	SAN JACINTO	MONTGOMERY	084264000	08426400017010	SAN JACINTO RIVER AUTHORITY	MONTGOMERY COUNTY GRP REUSE	H	SAN JACINTO	MONTGOMERY	MCGR10	0	325	415	586	586	586	Y	MUD 8 AND 9 REUSE	MUD 8 AND 9 REUSE
ALVIN	H	SAN JACINTO-BRAZOS	BRAZORIA	080013000	08001300002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	0	170	218	226	237	252	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
AMES	H	TRINITY	LIBERTY	080676000	08067600014608	None	CONSERVATION	H	TRINITY	LIBERTY	380814608	0	9	10	11	12	14	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
ANGLETON	H	SAN JACINTO-BRAZOS	BRAZORIA	080018000	08001800002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	141	141	142	143	146	152	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
ARCOLA	H	SAN JACINTO-BRAZOS	FORT BEND	080998000	08099800007911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	22	24	26	29	31	35	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BAILEY'S PRAIRIE	H	BRAZOS	BRAZORIA	080817000	08081700002012	None	CONSERVATION	H	BRAZOS	BRAZORIA	381202012	0	0	0	1	1	1	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BAYTOWN	H	TRINITY-SAN JACINTO	CHAMBERS	080042000	08004200003609	None	CONSERVATION	H	TRINITY-SAN JACINTO	CHAMBERS	3890369	30	66	71	75	80	86	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BAYTOWN	H	SAN JACINTO	HARRIS	080042000	08004200010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	31	63	63	63	64	66	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BAYTOWN	H	TRINITY-SAN JACINTO	HARRIS	080042000	08004200010109	None	CONSERVATION	H	TRINITY-SAN JACINTO	HARRIS	3891019	527	1054	1060	1065	1084	1111	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BEACH CITY	H	TRINITY	CHAMBERS	080822000	08082200003608	None	CONSERVATION	H	TRINITY	CHAMBERS	3880368	0	0	0	0	0	5	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BEACH CITY	H	TRINITY-SAN JACINTO	CHAMBERS	080822000	08082200003609	None	CONSERVATION	H	TRINITY-SAN JACINTO	CHAMBERS	3890369	15	20	24	28	32	36	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BEASLEY	H	BRAZOS	FORT BEND	081012000	08101200007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	1	1	1	1	1	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BEASLEY	H	BRAZOS-COLORADO	FORT BEND	081012000	08101200007913	None	CONSERVATION	H	BRAZOS-COLORADO	FORT BEND	381307913	0	5	6	7	8	9	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BELLAIRE	H	SAN JACINTO	HARRIS	080046000	08004600010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	237	253	270	287	305	325	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BELLVILLE	H	BRAZOS	AUSTIN	080048000	08004800000812	None	CONSERVATION	H	BRAZOS	AUSTIN	381200812	0	88	99	105	108	113	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BLUE BELL MANOR UTILITY COMPANY	H	SAN JACINTO	HARRIS	084026000	08402600010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	32	31	31	30	30	30	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BOLIVAR PENINSULAR SUD	H	NECHES-TRINITY	GALVESTON	084027000	08402700008407	None	CONSERVATION	H	NECHES-TRINITY	GALVESTON	380708407	67	72	74	75	75	76	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BRAZORIA COUNTY MUD #1	H	SAN JACINTO-BRAZOS	BRAZORIA	084030000	08403000002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	0	72	95	114	135	158	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BRAZORIA COUNTY MUD #2	H	BRAZOS	BRAZORIA	084031000	08403100002012	None	CONSERVATION	H	BRAZOS	BRAZORIA	381202012	0	95	122	147	173	201	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BRAZORIA COUNTY MUD #3	H	SAN JACINTO-BRAZOS	BRAZORIA	084032000	08403200002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	0	52	68	82	97	113	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BRITMOORE UTILITIES	H	SAN JACINTO	HARRIS	084036000	08403600010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	26	31	35	39	43	48	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BROOKSHIRE	H	BRAZOS	WALLER	080077000	08007700023712	None	CONSERVATION	H	BRAZOS	WALLER	381223712	0	50	62	75	90	109	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BROOKSIDE VILLAGE	H	SAN JACINTO-BRAZOS	BRAZORIA	080078000	08007800002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	0	16	18	19	21	23	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BUFFALO	H	TRINITY	LEON	080083000	08008300014508	None	CONSERVATION	H	TRINITY	LEON	380814508	0	21	22	22	22	22	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
BUNKER HILL VILLAGE	H	SAN JACINTO	HARRIS	080085000	08008500010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	90	89	88	87	87	87	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CANDLELIGHT HILLS SUBDIVISION	H	SAN JACINTO	HARRIS	084043000	08404300010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	25	29	34	38	43	47	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CENTERVILLE	H	TRINITY	LEON	080105000	08010500014508	None	CONSERVATION	H	TRINITY	LEON	380814508	0	11	12	11	11	11	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CHCRWA	H	SAN JACINTO	HARRIS	CHCRWA	CHCRWA10110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	0	357	357	357	357	357	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CHIMNEY HILL MUD	H	SAN JACINTO	HARRIS	084053000	08405300010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	0	26	37	37	36	36	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CLEAR LAKE SHORES	H	SAN JACINTO-BRAZOS	GALVESTON	080764000	08076400008411	None	CONSERVATION	H	SAN JACINTO-BRAZOS	GALVESTON	381108411	16	16	16	16	16	16	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CLEVELAND	H	SAN JACINTO	LIBERTY	080116000	08011600014610	None	CONSERVATION	H	SAN JACINTO	LIBERTY	380814610	0	24	51	75	87	91	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CLUTE	H	SAN JACINTO-BRAZOS	BRAZORIA	080118000	08011800002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	34	67	80	82	86	90	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COLDSPRING	H	SAN JACINTO	SAN JACINTO	080122000	08012200002410	None	CONSERVATION	H	SAN JACINTO	SAN JACINTO	381020410	0	3	3	3	3	3	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COLDSPRING	H	TRINITY	SAN JACINTO	080122000	08012200020408	None	CONSERVATION	H	TRINITY	SAN JACINTO	3802020408	0	10	11	12	12	12	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CONROE	H	SAN JACINTO	MONTGOMERY	080130000	08013000017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	714	925	1174	1457	1830	2273	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CONSOLIDATED WSC	H	TRINITY	WALKER	084071000	08407100023608	None	CONSERVATION	H	TRINITY	WALKER	380823608	0	0	0	0	0	0	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CONSUMERS WATER INC	H	SAN JACINTO	HARRIS	084072000	08407200010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	24	31	39	46	53	61	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
CONSUMERS WATER INC	H	SAN JACINTO	MONTGOMERY	084072000	08407200017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	13	14	18	22	28	35	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	BRAZOS-COLORADO	AUSTIN	080757008	08075700800813	None	CONSERVATION	H	BRAZOS-COLORADO	AUSTIN	381300813	0	17	18	19	19	19	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	COLORADO	AUSTIN	080757008	08075700800814	None	CONSERVATION	H	COLORADO	AUSTIN	381400814	0	2	2	2	2	2	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	BRAZOS	BRAZORIA	080757020	08075702002012	None	CONSERVATION	H	BRAZOS	BRAZORIA	381202012	7	7	8	8	8	9	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	BRAZOS-COLORADO	BRAZORIA	080757020	08075702002013	None	CONSERVATION	H	BRAZOS-COLORADO	BRAZORIA	381302013	235	249	264	275	290	306	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	BRAZORIA	080757020	08075702002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	559	613	679	734	800	872	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	NECHES-TRINITY	CHAMBERS	080757036	08075703603607	None	CONSERVATION	H	NECHES-TRINITY	CHAMBERS	3870367	3	3	3	2	2	2	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	TRINITY	CHAMBERS	080757036	08075703603608	None	CONSERVATION	H	TRINITY	CHAMBERS	3880368	14	13	13	12	12	12	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	TRINITY-SAN JACINTO	CHAMBERS	080757036	08075703603609	None	CONSERVATION	H	TRINITY-SAN JACINTO	CHAMBERS	3890369	9	9	8	8	8	7	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	BRAZOS	FORT BEND	080757079	08075707907912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	61	269	536	1068	1701	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	SAN JACINTO	FORT BEND	080757079	08075707907910	None	CONSERVATION	H	SAN JACINTO	FORT BEND	381007910	6	5	6	34	106	188	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	FORT BEND	080757079	08075707907911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	28	26	21	228	687	1196	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	SAN JACINTO	HARRIS	080757101	08075710110110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	0	0	823	1890	3350	4892	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	BRAZOS	LEON	080757145	08075714514512	None	CONSERVATION	H	BRAZOS	LEON	381214512	0	21	23	17	10	13	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	TRINITY	LEON	080757145	08075714514508	None	CONSERVATION	H	TRINITY	LEON	380814508	0	20	24	15	8	11	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	NECHES	LIBERTY	080757146	08075714614606	None	CONSERVATION	H	NECHES	LIBERTY	380614606	0	10	11	13	14	16	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	NECHES-TRINITY	LIBERTY	080757146	08075714614607	None	CONSERVATION	H	NECHES-TRINITY	LIBERTY	380714607	0	1	1	1	1	1	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	SAN JACINTO	LIBERTY	080757146	08075714614610	None	CONSERVATION	H	SAN JACINTO	LIBERTY	381014610	0	83	95	106	119	135	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	TRINITY	LIBERTY	080757146	08075714614608	None	CONSERVATION	H	TRINITY	LIBERTY	380814608	0	173	191	210	231	257	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	TRINITY-SAN JACINTO	LIBERTY	080757146	08075714614609	None	CONSERVATION	H	TRINITY-SAN JACINTO	LIBERTY	380914609	0	12	14	15	17	19	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	BRAZOS	MADISON	080757157	08075715715712	None	CONSERVATION	H	BRAZOS	MADISON	381215712	0	4	6	6	7	7	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	TRINITY	MADISON	080757157	08075715715708	None	CONSERVATION	H	TRINITY	MADISON	380815708	0	52	53	54	55	57	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	SAN JACINTO	MONTGOMERY

Region H

Table 4A-7: WMS Supply Allocations by WUG

WUG Name	WUG RWPG	WUG Basin	WUG County	WUG ID	WUG-County-Basin ID	Wholesale Water Provider	Water Source	Source RWPG	Source Basin	Source County	Source-Basin ID	2010	2020	2030	2040	2050	2060	Non-Recursive Volume?	Major WMS Project Name	WUG-Level WMS Name
DAYTON	H	TRINITY	LIBERTY	080152000	08015200014608	None	CONSERVATION	H	TRINITY	LIBERTY	380814608	0	129	152	174	200	230	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
DEER PARK	H	SAN JACINTO	HARRIS	080154000	08015400010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	116	206	207	208	213	219	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
DEER PARK	H	SAN JACINTO-BRAZOS	HARRIS	080154000	08015400010111	None	CONSERVATION	H	SAN JACINTO-BRAZOS	HARRIS	381110111	177	316	318	320	326	335	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
DICKINSON	H	SAN JACINTO-BRAZOS	GALVESTON	080165000	08016500008411	None	CONSERVATION	H	SAN JACINTO-BRAZOS	GALVESTON	381108411	196	217	227	230	232	235	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
EAST PLANTATION UD	H	SAN JACINTO	MONTGOMERY	084098000	08409800017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	26	31	41	53	69	88	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
EL DORADO UD	H	SAN JACINTO	HARRIS	084101000	08410100010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	9	30	32	35	37	40	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
EL LAGO	H	SAN JACINTO-BRAZOS	HARRIS	080695000	08069500010111	None	CONSERVATION	H	SAN JACINTO-BRAZOS	HARRIS	381110111	30	29	28	28	28	28	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FAIRCHILDS	H	BRAZOS	FORT BEND	081019000	08101900007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	29	36	44	54	66	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FIRST COLONY MUD #9	H	BRAZOS	FORT BEND	084113000	08411300007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	85	87	90	93	96	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FLO COMMUNITY WSC	H	TRINITY	LEON	084114000	08411400014508	None	CONSERVATION	H	TRINITY	LEON	380814508	0	31	34	34	33	34	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FORT BEND COUNTY MUD #106	H	BRAZOS	FORT BEND	084117000	08411700007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	53	53	53	53	53	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FORT BEND COUNTY MUD #108	H	BRAZOS	FORT BEND	084118000	08411800007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	32	32	32	32	32	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FORT BEND COUNTY MUD #111	H	BRAZOS	FORT BEND	084119000	08411900007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	46	46	46	46	46	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FORT BEND COUNTY MUD #23	H	SAN JACINTO-BRAZOS	FORT BEND	084121000	08412100007911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	71	141	141	141	141	141	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FORT BEND COUNTY MUD #25	H	SAN JACINTO-BRAZOS	FORT BEND	084122000	08412200007911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	101	141	191	241	309	387	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FORT BEND COUNTY MUD #67	H	BRAZOS	FORT BEND	084126000	08412600007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	49	49	48	48	48	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FORT BEND COUNTY MUD #68	H	BRAZOS	FORT BEND	084127000	08412700007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	36	36	36	36	36	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FORT BEND COUNTY MUD #69	H	BRAZOS	FORT BEND	084128000	08412800007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	27	26	26	26	26	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FORT BEND COUNTY MUD #81	H	BRAZOS	FORT BEND	084129000	08412900007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	43	57	75	93	117	144	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FOUNTAINVIEW SUBDIVISION	H	SAN JACINTO	HARRIS	084132000	08413200010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	19	22	24	27	30	32	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FREEPORT	H	BRAZOS	BRAZORIA	080217000	08021700002012	None	CONSERVATION	H	BRAZOS	BRAZORIA	381202012	0	9	8	8	8	8	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FREEPORT	H	SAN JACINTO-BRAZOS	BRAZORIA	080217000	08021700002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	0	130	150	167	186	208	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FULSHEAR	H	BRAZOS	FORT BEND	080869000	08086900007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	12	15	19	22	28	33	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
FULSHEAR	H	SAN JACINTO-BRAZOS	FORT BEND	080869000	08086900007911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	0	10	12	15	18	22	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
GALENA PARK	H	SAN JACINTO	HARRIS	080226000	08022600010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	78	78	79	79	81	84	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
GREEN TRAILS MUD	H	SAN JACINTO	HARRIS	084143000	08414300010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	51	57	64	71	77	84	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
H M W SUD	H	SAN JACINTO	MONTGOMERY	084147000	08414700017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	108	118	145	175	218	267	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARDIN	H	TRINITY	LIBERTY	080878000	08087800014608	None	CONSERVATION	H	TRINITY	LIBERTY	380814608	0	9	10	11	12	13	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARDIN WSC	H	TRINITY	LIBERTY	084148000	08414800014608	None	CONSERVATION	H	TRINITY	LIBERTY	380814608	0	37	43	48	54	61	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY FWSD #47	H	SAN JACINTO	HARRIS	084149000	08414900010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	25	24	23	23	17	17	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY FWSD #51	H	SAN JACINTO	HARRIS	084150000	08415000010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	127	173	172	169	169	169	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY FWSD #6	H	SAN JACINTO	HARRIS	084151000	08415100010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	21	24	26	29	32	36	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #11	H	SAN JACINTO	HARRIS	084153000	08415300010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	23	26	29	32	35	38	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #119 INWOOD NORTH	H	SAN JACINTO	HARRIS	084154000	08415400010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	52	55	54	52	52	52	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #132	H	SAN JACINTO	HARRIS	084157000	08415700010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	105	130	154	178	202	227	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #151	H	SAN JACINTO	HARRIS	084159000	08415900010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	76	76	75	75	75	75	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #152	H	SAN JACINTO	HARRIS	084160000	08416000010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	47	60	73	86	100	113	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #153	H	SAN JACINTO	HARRIS	084161000	08416100010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	73	99	126	151	177	203	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #154	H	SAN JACINTO	HARRIS	084162000	08416200010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	40	49	58	67	75	85	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #158	H	SAN JACINTO	HARRIS	084165000	08416500010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	0	7	35	34	34	34	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #180	H	SAN JACINTO	HARRIS	084170000	08417000010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	37	44	51	59	66	74	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #189	H	SAN JACINTO	HARRIS	084174000	08417400010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	48	58	68	77	87	98	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #261	H	SAN JACINTO	HARRIS	084179000	08417900010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	48	48	48	48	48	48	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #345	H	SAN JACINTO	HARRIS	084182000	08418200010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	84	84	84	83	83	83	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #46	H	SAN JACINTO	HARRIS	084183000	08418300010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	50	49	48	48	48	48	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #5	H	SAN JACINTO	HARRIS	084184000	08418400010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	39	38	37	37	36	36	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #50	H	SAN JACINTO	HARRIS	084185000	08418500010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	0	0	27	44	46	49	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #53	H	SAN JACINTO	HARRIS	084186000	08418600010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	123	151	178	205	232	261	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY MUD #6	H	SAN JACINTO	HARRIS	084189000	08418900010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	42	45	48	52	55	60	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY UD #14	H	SAN JACINTO	HARRIS	084190000	08419000010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	32	35	38	41	44	47	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY UD #15	H	SAN JACINTO	HARRIS	084191000	08419100010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	24	27	30	33	36	40	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY WCID #1	H	SAN JACINTO	HARRIS	084193000	08419300010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	0	75	84	93	102	111	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY WCID #133	H	SAN JACINTO	HARRIS	084195000	08419500010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	45	45	45	44	44	44	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY WCID #21	H	SAN JACINTO	HARRIS	084196000	08419600010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	90	93	96	98	102	107	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY WCID #36	H	SAN JACINTO	HARRIS	084197001	08419700010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	85	92	98	105	112	120	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY WCID #50	H	SAN JACINTO	HARRIS	084198000	08419800010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	36	40	43	46	49	53	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY WCID #76	H	SAN JACINTO	HARRIS	084199000	08419900010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	16	16	16	15	15	15	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HARRIS COUNTY WCID #84	H	SAN JACINTO	HARRIS	084200000	08420000010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	33	34	34	34	34	34	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HEDWIG VILLAGE	H	SAN JACINTO	HARRIS	080269000	08026900010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	46	46	45	45	45	45	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HEMPSTEAD	H	BRAZOS	WALLER	080271000	08027100023712	None	CONSERVATION	H	BRAZOS	WALLER	381223712	0	122	161	204	256	317	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HILLCREST	H	SAN JACINTO-BRAZOS	BRAZORIA	080881000	08088100002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	0	1	1	2	5	7	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HILLSHIRE VILLAGE	H	SAN JACINTO	HARRIS	081025000	08102500010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	0	10	10	10	10	10	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HOLIDAY LAKES	H	SAN JACINTO-BRAZOS	BRAZORIA	080779000	08077900002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	0	0	0	0	0	1	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HOUSTON	H	SAN JACINTO	FORT BEND	080285000	08028500007910	None	CONSERVATION	H	SAN JACINTO	FORT BEND	3880798	258	296	341	389	454	532	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HOUSTON	H	SAN JACINTO-BRAZOS	FORT BEND	080285000	08028500007911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	181	208	240	273	319	374	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HOUSTON	H	SAN JACINTO	HARRIS	080285000	08028500010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	22938	25284	27474	29731	32122	34704	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HOUSTON	H	SAN JACINTO-BRAZOS	HARRIS	080285000	08028500010111	None	CONSERVATION	H	SAN JACINTO-BRAZOS	HARRIS	381110111	1278	1409	1531	1657	1790	1934	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HOUSTON	H	SAN JACINTO	MONTGOMERY	080285000	08028500017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	12	13	24	33	45	59	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HUMBLE	H	SAN JACINTO	HARRIS	080289000	08028900010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	232	258	283	308	334	362	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
HUNTERS CREEK VILLAGE	H	SAN JACINTO	HARRIS	080290000	08029000010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	104	111	118	125	132	139	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
IOWA COLONY	H	SAN JACINTO-BRAZOS	BRAZORIA	080885000	08088500002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	0	7	7	7	8	9	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
JACINTO CITY	H	SAN JACINTO	HARRIS	080301000	08030100010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	0	0	57	92	97	102	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
JERSEY VILLAGE	H	SAN JACINTO	HARRIS	080709000	08070900010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	0	112	129	147	164	182	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
JEWETT	H	BRAZOS	LEON	080887000	08088700014512	None	CONSERVATION	H	BRAZOS	LEON	381214512	0	3	4	4	3	4	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
JEWETT	H	TRINITY	LEON	080887000	08088700014508	None	CONSERVATION	H	TRINITY	LEON	380814508	0	10	11	11	10	11	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
KATY	H	SAN JACINTO	FORT BEND	080312000	08031200007910	None	CONSERVATION	H	SAN JACINTO	FORT BEND	381007910	18	24	31	38	47	58	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
KATY	H	SAN JACINTO	HARRIS	080312000	08031200010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	203	245	288	332	374	419	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
KATY	H	SAN JACINTO	WALLER	080312000	08031200023710	None	CONSERVATION	H	SAN JACINTO	WALLER	381023710	17	26	35	46	58	73	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
KEMAH	H	SAN JACINTO-BRAZOS	GALVESTON	080316000	08031600008411	None	CONSERVATION	H	SAN JACINTO-BRAZOS	GALVESTON	381108411	15	18	19	20	20	20	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
KENDLETON	H	BRAZOS-COLORADO	FORT BEND	KENDLETON	KENDLETON07913	None	CONSERVATION	H	BRAZOS-COLORADO	FORT BEND	381307913	0	11	14	18	23	30	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
KENEFICK	H	TRINITY	LIBERTY	081033000	08103300014608	None	CONSERVATION	H	TRINITY	LIBERTY	380814608	0	6	7	8	9	10	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
LAKE JACKSON	H	SAN JACINTO-BRAZOS	BRAZORIA	080338000	08033800002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	255	275	292	310	330	355	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	LIBERTY	084226000	08422600014608	None	CONSERVATION	H	TRINITY	LIBERTY	380814608	0	7	8	8	9	10	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	POLK	084226000	08422600018708	None	CONSERVATION	H	TRINITY	POLK	380818708	0	54	62	64	66	70	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	SAN JACINTO	SAN JACINTO	084226000	08422600020410	None	CONSERVATION	H	SAN JACINTO	SAN JACINTO	381020410	6	7	8	8	9	9	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	SAN JACINTO	084226000	08422600020408	None	CONSERVATION	H	TRINITY	SAN JACINTO	380820408	13	16	17	18	19	19	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	TRINITY	084226000	08422600022808	None	CONSERVATION	H	TRINITY	TRINITY	380822808	0	2	1	0	0	0	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	H	TRINITY	WALKER	084226000	08422600023608	None	CONSERVATION	H	TRINITY	WALKER	380823608	0	0	1	0	0	0	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
LEAGUE CITY	H	SAN JACINTO-BRAZOS	GALVESTON	080350000	08035000008411	None	CONSERVATION	H	SAN JACINTO-BRAZOS	GALVESTON	381108411	474	523	550	555	560	567	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
LEAGUE CITY	H	SAN JACINTO-BRAZOS	HARRIS	080350000	08035000010111	None	CONSERVATION	H	SAN JACINTO-BRAZOS	HARRIS	381110111	2	2	2	2	2	2	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
LIBERTY	H	TRINITY	LIBERTY	080356000	08035600014608	None	CONSERVATION	H	TRINITY	LIBERTY	380814608	0	18	23	34	69	97	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
LONGHORN TOWN UD	H	SAN JACINTO	HARRIS	084235000	08423500010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	12	26	33	41	49	56	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MADISONVILLE	H	TRINITY	MADISON	080382000	08038200015708	None	CONSERVATION	H	TRINITY	MADISON	380815708	0	34	50	51	53	54	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MAGNOLIA	H	SAN JACINTO	MONTGOMERY	080907000	08090700017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	24	34	44	56	72	91	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MANVEL	H	SAN JACINTO-BRAZOS	BRAZORIA	080721000	08072100002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	0	30	30	29	28	28	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MASON CREEK UD	H	SAN JACINTO	HARRIS	084247000	08424700010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	140	138	137	135	135	135	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MEADOWS	H	SAN JACINTO	FORT BEND	080792000	08079200007910	None	CONSERVATION	H	SAN JACINTO	FORT BEND	381007910	112	111	110	108	108	108	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MEADOWS	H	SAN JACINTO-BRAZOS	FORT BEND	080792000	08079200007911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	11	11	11	11	11	11	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MERCY WSC	H	SAN JACINTO	LIBERTY	084253000	08425300014610	None	CONSERVATION	H	SAN JACINTO	LIBERTY	381014610	0	5	6	6	7	8	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MERCY WSC	H	SAN JACINTO	SAN JACINTO	084253000	08425300020410	None	CONSERVATION	H	SAN JACINTO	SAN JACINTO	381020410	0	22	25	27	28	28	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MISSOURI CITY	H	BRAZOS	FORT BEND	080409000	08040900007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	25	30	35	38	46	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MISSOURI CITY	H	SAN JACINTO	FORT BEND	080409000	08040900007910	None	CONSERVATION	H	SAN JACINTO	FORT BEND	381007910	0	203	242	283	313	381	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MISSOURI CITY	H	SAN JACINTO-BRAZOS	FORT BEND	080409000	08040900007911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	0	917	1096	1280	1417	1723	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MISSOURI CITY	H	SAN JACINTO	HARRIS	080409000	08040900010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	83	98	113	129	146	162	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MONT BELVIEU	H	TRINITY	CHAMBERS	080413000	08041300003608	None	CONSERVATION	H	TRINITY	CHAMBERS	3880368	37	48	59	67	77	86	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MONT BELVIEU	H	TRINITY-SAN JACINTO	CHAMBERS	080413000	08041300003609	None	CONSERVATION	H	TRINITY-SAN JACINTO	CHAMBERS	3890369	17	23	27	32	36	40	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MONTGOMERY	H	SAN JACINTO	MONTGOMERY	MONTGOMERY	MONTGOMERY17010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	14	57	83	109	136	162	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MONTGOMERY COUNTY MUD #18	H	SAN JACINTO	MONTGOMERY	084261000	08426100017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	112	142	210	290	397	520	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MONTGOMERY COUNTY MUD #19	H	SAN JACINTO	MONTGOMERY	084262000	08426200017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	25	25	25	25	25	25	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MONTGOMERY COUNTY MUD #8	H	SAN JACINTO	MONTGOMERY	084263000	08426300017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	50	65	79	83	82	82	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MONTGOMERY COUNTY MUD #9	H	SAN JACINTO	MONTGOMERY	084264000	08426400017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	44	60	76	83	85	86	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
MONTGOMERY COUNTY UD #2	H	SAN JACINTO	MONTGOMERY	084265000	08426500017

Region H

Table 4A-7: WMS Supply Allocations by WUG

WUG Name	WUG RWPG	WUG Basin	WUG County	WUG ID	WUG-County-Basin ID	Wholesale Water Provider	Water Source	Source RWPG	Source Basin	Source County	Source-Basin ID	2010	2020	2030	2040	2050	2060	Non-Recursive Volume?	Major WMS Project Name	WUG-Level WMS Name
NFBWA	H	SAN JACINTO	FORT BEND	NFBWA	NFBWA07910	None	CONSERVATION	H	SAN JACINTO	FORT BEND	381007910	0	0	1686	1882	1934	1922	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NFBWA	H	SAN JACINTO-BRAZOS	FORT BEND	NFBWA	NFBWA07911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	0	1521	2146	2713	3223	3705	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NFBWA	H	SAN JACINTO	HARRIS	NFBWA	NFBWA10110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	0	57	61	65	69	74	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NHCRWA	H	SAN JACINTO	HARRIS	0890000	0890000010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	6441	7598	8480	8961	9156	9389	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NORMANGEE	H	BRAZOS	LEON	0809270	0809270001412	None	CONSERVATION	H	BRAZOS	LEON	381214512	0	3	3	3	3	3	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NORMANGEE	H	TRINITY	LEON	0809270	0809270001408	None	CONSERVATION	H	TRINITY	LEON	380814508	0	6	7	7	7	7	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NORMANGEE	H	TRINITY	MADISON	0809270	0809270001508	None	CONSERVATION	H	TRINITY	MADISON	380815708	1	1	1	1	1	1	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NORTH BELT UD	H	SAN JACINTO	HARRIS	0842750	0842750001011	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	27	36	44	51	60	68	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NORTH GREEN MUD	H	SAN JACINTO	HARRIS	0842790	0842790001011	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	21	23	24	26	28	30	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NORTHWEST HARRIS COUNTY MUD #23	H	SAN JACINTO	HARRIS	0842860	0842860001011	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	35	43	52	60	69	77	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
NORTHWEST PARK MUD	H	SAN JACINTO	HARRIS	0842870	0842870001011	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	184	217	217	213	211	211	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
OAK RIDGE NORTH	H	SAN JACINTO	MONTGOMERY	0807260	0807260001710	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	41	45	53	64	77	94	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
OLD RIVER-WINFREE	H	TRINITY	CHAMBERS	0807270	0807270003608	None	CONSERVATION	H	TRINITY	CHAMBERS	3880368	12	13	14	15	16	17	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
ONALASKA	H	TRINITY	POLK	0809330	0809330018708	None	CONSERVATION	H	TRINITY	POLK	380818708	0	13	14	16	17	18	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
ORBIT SYSTEMS INC	H	BRAZOS-COLORADO	BRAZORIA	0842940	0842940000213	None	CONSERVATION	H	BRAZOS-COLORADO	BRAZORIA	381302013	0	3	4	4	5	5	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
ORBIT SYSTEMS INC	H	SAN JACINTO-BRAZOS	BRAZORIA	0842940	0842940002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	0	27	31	34	38	42	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
ORBIT SYSTEMS INC	H	SAN JACINTO-BRAZOS	FORT BEND	0842940	0842940000791	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	1	1	1	1	1	1	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
OYSTER CREEK	H	SAN JACINTO-BRAZOS	BRAZORIA	0807300	0807300002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	9	10	12	13	14	15	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PANORAMA VILLAGE	H	SAN JACINTO	MONTGOMERY	0807320	0807320017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	36	38	39	41	43	45	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PARKWAY UD	H	SAN JACINTO	HARRIS	0842980	0842980010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	17	16	16	16	15	15	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PASADENA	H	SAN JACINTO	HARRIS	0804560	0804560010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	1014	1106	1189	1278	1374	1482	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PASADENA	H	SAN JACINTO-BRAZOS	HARRIS	0804560	0804560010111	None	CONSERVATION	H	SAN JACINTO-BRAZOS	HARRIS	381110111	284	309	333	358	385	415	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PATTON VILLAGE	H	SAN JACINTO	MONTGOMERY	0807340	0807340017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	5	5	6	6	8	9	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PEARLAND	H	SAN JACINTO-BRAZOS	BRAZORIA	0804570	0804570002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	216	538	631	719	817	920	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PEARLAND	H	SAN JACINTO-BRAZOS	HARRIS	0804570	0804570010111	None	CONSERVATION	H	SAN JACINTO-BRAZOS	HARRIS	381110111	8	18	21	23	26	28	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PECAN GROVE MUD #1	H	BRAZOS	FORT BEND	0842990	0842990007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	115	162	164	166	171	178	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PECAN GROVE MUD #1	H	SAN JACINTO-BRAZOS	FORT BEND	0842990	0842990007911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	31	43	44	44	45	47	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PINE ISLAND	H	BRAZOS	WALLER	0809380	0809380023712	None	CONSERVATION	H	BRAZOS	WALLER	381223712	0	8	10	12	14	17	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PINE TRAILS UTILITY	H	SAN JACINTO	HARRIS	0843020	0843020010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	56	60	64	68	72	77	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PINEY POINT VILLAGE	H	SAN JACINTO	HARRIS	0804680	0804680010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	76	78	81	84	86	90	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PLANTATION MUD	H	SAN JACINTO-BRAZOS	FORT BEND	0843030	0843030007911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	34	33	32	32	32	32	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PLEAK	H	BRAZOS	FORT BEND	0810530	0810530007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	36	43	50	59	70	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PLUM GROVE	H	SAN JACINTO	LIBERTY	0810540	0810540014610	None	CONSERVATION	H	SAN JACINTO	LIBERTY	381014610	0	10	11	13	15	18	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
POINT AQUARIUS MUD	H	SAN JACINTO	MONTGOMERY	0843050	0843050017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	44	54	78	105	142	184	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
POINT BLANK	H	TRINITY	SAN JACINTO	0810560	0810560020408	None	CONSERVATION	H	TRINITY	SAN JACINTO	380820408	0	5	6	6	6	6	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PORTER WSC	H	SAN JACINTO	MONTGOMERY	0843070	0843070017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	123	137	171	212	210	210	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PRAIRIE VIEW	H	BRAZOS	WALLER	0804850	0804850023712	None	CONSERVATION	H	BRAZOS	WALLER	381223712	0	8	9	9	10	11	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
PRAIRIE VIEW	H	SAN JACINTO	WALLER	0804850	0804850023710	None	CONSERVATION	H	SAN JACINTO	WALLER	381023710	0	72	78	85	93	103	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
RAYFORD ROAD MUD	H	SAN JACINTO	MONTGOMERY	0843120	0843120017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	146	145	144	144	144	144	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
RICHMOND	H	BRAZOS	FORT BEND	0805000	0805000007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	179	213	245	301	363	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
RICHWOOD	H	SAN JACINTO-BRAZOS	BRAZORIA	0805010	0805010002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	20	21	22	22	23	24	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
RIVER PLANTATION MUD	H	SAN JACINTO	MONTGOMERY	0843220	0843220017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	50	49	48	48	48	48	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
RIVERSIDE WSC	H	TRINITY	SAN JACINTO	0843230	0843230020408	None	CONSERVATION	H	TRINITY	SAN JACINTO	380820408	0	11	13	16	18	20	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
RIVERSIDE WSC	H	TRINITY	WALKER	0843230	0843230023608	None	CONSERVATION	H	TRINITY	WALKER	380823608	0	0	5	23	24	26	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
ROLLING FORK PUD	H	SAN JACINTO	HARRIS	0844110	0844110010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	39	40	42	43	45	47	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
ROMAN FOREST	H	SAN JACINTO	MONTGOMERY	0808010	0808010017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	32	50	71	93	124	160	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
ROSENBERG	H	BRAZOS	FORT BEND	0805180	0805180007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	150	497	616	738	904	1101	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SAN FELIPE	H	BRAZOS	AUSTIN	0809540	0809540000812	None	CONSERVATION	H	BRAZOS	AUSTIN	381200812	0	8	9	9	9	10	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SEABROOK	H	SAN JACINTO-BRAZOS	HARRIS	0805450	0805450010111	None	CONSERVATION	H	SAN JACINTO-BRAZOS	HARRIS	381110111	153	182	208	237	264	293	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SEALY	H	BRAZOS	AUSTIN	0805490	0805490000812	None	CONSERVATION	H	BRAZOS	AUSTIN	381200812	0	97	112	119	123	129	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SHENANDOAH	H	SAN JACINTO	MONTGOMERY	0807450	0807450017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	104	121	141	162	191	226	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SHEPHERD	H	TRINITY	SAN JACINTO	0807460	0807460020408	None	CONSERVATION	H	TRINITY	SAN JACINTO	380820408	0	20	22	23	24	24	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SIENNA PLANTATION MUD #2	H	SAN JACINTO-BRAZOS	FORT BEND	0843340	0843340007911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	63	72	72	72	72	72	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SIMONTON	H	BRAZOS	FORT BEND	0810620	0810620007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	0	0	38	45	54	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SOUTHERN MONTGOMERY COUNTY MUD	H	SAN JACINTO	MONTGOMERY	0843390	0843390017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	121	152	153	158	160	164	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SOUTHSIDE PLACE	H	SAN JACINTO	HARRIS	0805720	0805720010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	6	24	25	27	28	30	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SOUTHWEST UTILITIES	H	SAN JACINTO-BRAZOS	BRAZORIA	0843430	0843430002011	None	CONSERVATION	H	SAN JACINTO-BRAZOS	BRAZORIA	381102011	0	2	4	5	5	5	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SOUTHWEST UTILITIES	H	SAN JACINTO	HARRIS	0843430	0843430010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	42	47	53	57	63	68	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SOUTHWEST UTILITIES	H	SAN JACINTO	LIBERTY	0843430	0843430014610	None	CONSERVATION	H	SAN JACINTO	LIBERTY	381014610	0	1	1	1	1	2	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SOUTHWEST UTILITIES	H	SAN JACINTO	MONTGOMERY	0843430	0843430017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	15	17	21	26	32	40	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SPLENDORA	H	SAN JACINTO	MONTGOMERY	0809620	0809620017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	10	12	16	21	28	36	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SPRING CREEK UD	H	SAN JACINTO	MONTGOMERY	0843440	0843440017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	32	36	48	61	80	101	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SPRING VALLEY	H	SAN JACINTO	HARRIS	0805750	0805750010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	53	55	56	58	60	63	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
STAGECOACH	H	SAN JACINTO	MONTGOMERY	STAGECOACH	STAGECOACH17010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	4	6	8	11	15	20	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
STANLEY LAKE MUD	H	SAN JACINTO	MONTGOMERY	0843470	0843470017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	44	54	54	53	53	53	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SUGAR LAND	H	BRAZOS	FORT BEND	0805850	0805850007912	None	CONSERVATION	H	BRAZOS	FORT BEND	381207912	0	625	641	638	638	638	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SUGAR LAND	H	SAN JACINTO	FORT BEND	0805850	0805850007910	None	CONSERVATION	H	SAN JACINTO	FORT BEND	381007910	0	63	64	64	64	64	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SUGAR LAND	H	SAN JACINTO-BRAZOS	FORT BEND	0805850	0805850007911	None	CONSERVATION	H	SAN JACINTO-BRAZOS	FORT BEND	381107911	0	854	876	872	872	872	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SUNBELT FWSD	H	SAN JACINTO	HARRIS	0843500	0843500010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	285	331	375	422	468	517	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SURFSIDE BEACH	H	BRAZOS	BRAZORIA	0809670	0809670002012	None	CONSERVATION	H	BRAZOS	BRAZORIA	381220012	0	10	12	13	14	15	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
SWEENY	H	BRAZOS-COLORADO	BRAZORIA	0805900	0805900002013	None	CONSERVATION	H	BRAZOS-COLORADO	BRAZORIA	381302013	0	30	40	41	43	45	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
THE WOODLANDS	H	SAN JACINTO	MONTGOMERY	0880010	0880010017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	930	1686	1796	1788	1779	1779	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
TOMBALL	H	SAN JACINTO	HARRIS	0806080	0806080010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	166	209	244	306	353	420	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
TRAIL OF THE LAKES MUD	H	SAN JACINTO	HARRIS	0843550	0843550010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	90	87	86	85	85	85	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
VARNER CREEK UD	H	BRAZOS	BRAZORIA	0843700	0843700002012	None	CONSERVATION	H	BRAZOS	BRAZORIA	381220012	0	24	27	31	35	39	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WALKER COUNTY RURAL WSC	H	TRINITY	WALKER	0843720	0843720023608	None	CONSERVATION	H	TRINITY	WALKER	380823608	0	54	55	53	53	53	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WALLER	H	SAN JACINTO	HARRIS	0806290	0806290010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	7	9	11	12	14	16	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WALLER	H	SAN JACINTO	WALLER	0806290	0806290023710	None	CONSERVATION	H	SAN JACINTO	WALLER	381023710	0	27	32	37	43	51	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WALLIS	H	BRAZOS-COLORADO	AUSTIN	0806300	0806300000813	None	CONSERVATION	H	BRAZOS-COLORADO	AUSTIN	381300813	0	11	11	11	12	12	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WEST HARDIN WSC	H	NECHES	LIBERTY	0843830	0843830014606	None	CONSERVATION	H	NECHES	LIBERTY	380614606	0	2	2	3	3	3	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WEST HARRIS COUNTY MUD #6	H	SAN JACINTO	HARRIS	0843870	0843870010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	34	33	33	33	32	32	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WEST UNIVERSITY PL.	H	SAN JACINTO	HARRIS	0806430	0806430010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	197	208	218	228	240	253	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WHCRWA	H	SAN JACINTO	FORT BEND	0880020	0880020007910	None	CONSERVATION	H	SAN JACINTO	FORT BEND	381007910	178	209	241	282	323	363	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WHCRWA	H	SAN JACINTO	HARRIS	0880020	0880020010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	0	3760	4102	4348	4420	4452	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WILLIS	H	SAN JACINTO	MONTGOMERY	0806550	0806550017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	34	39	49	61	77	97	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WILLOW RUN SUBDIVISION	H	SAN JACINTO	HARRIS	0843980	0843980010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	40	39	38	37	37	37	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WINDFERN FOREST UD	H	SAN JACINTO	HARRIS	0844010	0844010010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	48	62	60	60	60	60	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WOODBRANCH	H	SAN JACINTO	MONTGOMERY	0808070	0808070017010	None	CONSERVATION	H	SAN JACINTO	MONTGOMERY	381017010	10	11	12	14	16	18	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
WOODCREEK MUD	H	SAN JACINTO	HARRIS	0844040	0844040010110	None	CONSERVATION	H	SAN JACINTO	HARRIS	381010110	37	49	60	71	82	93	Y	MUNICIPAL CONSERVATION	MUNICIPAL CONSERVATION
COUNTY-OTHER	H	BRAZOS	BRAZORIA	0807570	0807570200212	none	MUNICIPAL NON-POTABLE REUSE	H	BRAZOS	BRAZORIA	MNPR12	0	0	0	1	2	2	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
COUNTY-OTHER	H	BRAZOS-COLORADO	BRAZORIA	0807570	0807570200213	none	MUNICIPAL NON-POTABLE REUSE	H	BRAZOS-COLORADO	BRAZORIA	MNPR13	0	0	21	42	64	87	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	BRAZORIA	0807570	0807570200211	none	MUNICIPAL NON-POTABLE REUSE	H	SAN JACINTO-BRAZOS	BRAZORIA	MNPR11	0	0	95	184	278	376	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
COUNTY-OTHER	H	BRAZOS	FORT BEND	0807570	0807570907912	none	MUNICIPAL NON-POTABLE REUSE	H	BRAZOS	FORT BEND	MNPR12	0	0	460	1072	2286	3714	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
COUNTY-OTHER	H	BRAZOS-COLORADO	FORT BEND	0807570	0807570907913	none	MUNICIPAL NON-POTABLE REUSE	H	BRAZOS-COLORADO	FORT BEND	MNPR13	0	0	14	21	31	34	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
COUNTY-OTHER	H	SAN JACINTO	FORT BEND	0807570	0807570907910	none	MUNICIPAL NON-POTABLE REUSE	H	SAN JACINTO	FORT BEND	MNPR10	0	0	3	66	229	414	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	FORT BEND	0807570	0807570907911	none	MUNICIPAL NON-POTABLE REUSE	H	SAN JACINTO-BRAZOS	FORT BEND	MNPR11	0	0	0	457	1499	2648	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
COUNTY-OTHER	H	SAN JACINTO	HARRIS	0807571	0807571011010	none	MUNICIPAL NON-POTABLE REUSE	H	SAN JACINTO	HARRIS	MNPR10	0	0	930	2994	5816	8773	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	HARRIS	0807571	0807571011011	none	MUNICIPAL NON-POTABLE REUSE	H	SAN JACINTO-BRAZOS	HARRIS	MNPR11	0	0	52	7	2	7	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
COUNTY-OTHER	H	TRINITY-SAN JACINTO	HARRIS	0807571	0807571010109	none	MUNICIPAL NON-POTABLE REUSE	H	TRINITY-SAN JACINTO	HARRIS	MNPR09	0	0	26	0	0	0	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
COUNTY-OTHER	H	SAN JACINTO	MONTGOMERY	0807571	0807571017010	none	MUNICIPAL NON-POTABLE REUSE	H	SAN JACINTO	MONTGOMERY	MNPR10	0	0	1752	3838	6787	10215	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
NFBWA	H	BRAZOS	FORT BEND	NFBWA	NFBWA07912	NFBWA	MUNICIPAL NON-POTABLE REUSE	H	BRAZOS	FORT BEND	MNPR12	0	0	90	194	356	561	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
NFBWA	H	SAN JACINTO	FORT BEND	NFBWA	NFBWA07910	NFBWA	MUNICIPAL NON-POTABLE REUSE	H	SAN JACINTO	FORT BEND	MNPR10	0	0	474	812	926	929	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
NFBWA	H	SAN JACINTO-BRAZOS	FORT BEND	NFBWA	NFBWA07911	NFBWA	MUNICIPAL NON-POTABLE REUSE	H	SAN JACINTO-BRAZOS	FORT BEND	MNPR11	0	0	1026	1967	2836	3657	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
NFBWA	H	SAN JACINTO	HARRIS	NFBWA	NFBWA10110	NFBWA	MUNICIPAL NON-POTABLE REUSE	H	SAN JACINTO	HARRIS	MNPR10	0	0	0	7	11	11	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
NHCRWA	H	SAN JACINTO	HARRIS	0880000	0880000010110	NHCRWA	MUNICIPAL NON-POTABLE REUSE	H	SAN JACINTO	HARRIS	MNPR10	0	0	1595	2473	2886	3274	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
WHCRWA	H	SAN JACINTO	FORT BEND	0880020	0880020000910	WHCRWA	MUNICIPAL NON-POTABLE REUSE	H	SAN JACINTO	FORT BEND	MNPR10	0	0	69	155	240	320	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
WHCRWA	H	SAN JACINTO	HARRIS	0880020	0880020000110	WHCRWA	MUNICIPAL NON-POTABLE REUSE	H	SAN JACINTO	HARRIS	MNPR10	0	0	665	1135	1312	1366	Y	MUNICIPAL NON-POTABLE REUSE	MUNICIPAL NON-POTABLE REUSE
COUNTY-OTHER	H	SAN JACINTO	HARRIS	0807571	0807571010110	SAN JACINTO RIVER AUTHORITY	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	CHAMBERS	346080427908	0	0	5299	19014	16041	17533	Y	NEW CONTRACT FROM EXISTING SUPPLY	SJRA to WUG Contract
HARRIS COUNTY MUD #50	H	SAN JACINTO	HARRIS	0841850	0841850010110	SAN JACINTO RIVER AUTHORITY	HOUSTON LAKE/RESERVOIR	H	SAN JACINTO	RESERVOIR	1003010	0	0	0	0	28	72	Y	NEW CONTRACT FROM EXISTING SUPPLY	SJRA to WU

Region H

Table 4A-7: WMS Supply Allocations by WUG

WUG Name	WUG RWPG	WUG Basin	WUG County	WUG ID	WUG-County-Basin ID	Wholesale Water Provider	Water Source	Source RWPG	Source Basin	Source County	Source-Basin ID	2010	2020	2030	2040	2050	2060	Non-Recursive Volume?	Major WMS Project Name	WUG-Level WMS Name
FULSHEAR	H	SAN JACINTO-BRAZOS	FORT BEND	080869000	08086900007911	NFBWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	0	45	112	Y	NFBWA GRP	NFBWA GRP Participation
NFBWA	H	BRAZOS	FORT BEND	NFBWA	NFBWA07912	NFBWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	0	-45	-112	Y	NFBWA GRP	NFBWA GRP Participation
NFBWA	H	SAN JACINTO-BRAZOS	FORT BEND	NFBWA	NFBWA07911	NFBWA	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	FORT BEND	0791511	0	-106	-258	-295	-345	-397	Y	NFBWA GRP	NFBWA GRP Participation
NFBWA	H	SAN JACINTO-BRAZOS	FORT BEND	NFBWA	NFBWA07911	NFBWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	0	-76	-178	Y	NFBWA GRP	NFBWA GRP Participation
JERSEY VILLAGE	H	SAN JACINTO	HARRIS	080709000	08070900010110	NHCRWA	HOUSTON LAKE/RESERVOIR	H	SAN JACINTO	RESERVOIR	1003010	0	364	767	1043	1315	1600	Y	NHCRWA GRP	NHCRWA GRP Participation
NHCRWA	H	SAN JACINTO	HARRIS	088000000	08800000010110	NHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	-761	-2569	-3476	-4530	-5349	-6488	Y	NHCRWA GRP	NHCRWA GRP Participation
NHCRWA	H	SAN JACINTO	HARRIS	088000000	08800000010110	NHCRWA	HOUSTON LAKE/RESERVOIR	H	SAN JACINTO	RESERVOIR	1003010	0	-364	-767	-1043	-1315	-1600	Y	NHCRWA GRP	NHCRWA GRP Participation
NORTHWEST HARRIS COUNTY MUD #23	H	SAN JACINTO	HARRIS	084286000	08428600010110	NHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	141	467	646	770	908	1046	Y	NHCRWA GRP	NHCRWA GRP Participation
TOMBALL	H	SAN JACINTO	HARRIS	086068000	08606800010110	NHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	620	2102	2830	3760	4441	5462	Y	NHCRWA GRP	NHCRWA GRP Participation
NHCRWA	H	SAN JACINTO	HARRIS	088000000	08800000010110	NHCRWA	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	351010110	0	0	0	7300	16300	16300	Y	NHCRWA INDIRECT REUSE	NHCRWA INDIRECT REUSE
PEARLAND	H	SAN JACINTO-BRAZOS	BRAZORIA	080457000	08045700002011	none	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	346120532B12	3889	3900	3775	6893	6187	5454	N	Pearland SWTP	Pearland SWTP
PEARLAND	H	SAN JACINTO-BRAZOS	BRAZORIA	080457000	08045700002011	none	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	346120516812	2590	2597	2514	4591	4120	3632	N	Pearland SWTP	Pearland SWTP
PEARLAND	H	SAN JACINTO-BRAZOS	BRAZORIA	080457000	08045700002011	none	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	1290012	0	0	223	1565	2788	4053	N	Pearland SWTP	Pearland SWTP
PEARLAND	H	SAN JACINTO-BRAZOS	HARRIS	080457000	08045700010111	none	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	346120532B12	145	134	125	223	195	169	N	Pearland SWTP	Pearland SWTP
PEARLAND	H	SAN JACINTO-BRAZOS	HARRIS	080457000	08045700010111	none	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	346120516812	96	89	83	148	130	112	N	Pearland SWTP	Pearland SWTP
PECAN GROVE MUD #1	H	BRAZOS	FORT BEND	084299000	08429900007912	none	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	120E012	182	182	363	363	363	363	N	PECAN GROVE GRP	PECAN GROVE GRP
PECAN GROVE MUD #1	H	SAN JACINTO-BRAZOS	FORT BEND	084299000	08429900007911	none	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	120E012	684	684	1368	1368	1368	1368	N	PECAN GROVE GRP	PECAN GROVE GRP
BEACH CITY	H	TRINITY-SAN JACINTO	CHAMBERS	080822000	08082200003609	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	CHAMBERS	0361509	178	0	0	0	0	0	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
BELLAIRE	H	SAN JACINTO	HARRIS	080046000	08004600010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	1440	489	496	259	172	467	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
BRITMOORE UTILITIES	H	SAN JACINTO	HARRIS	084036000	08403600010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	115	354	127	67	45	121	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
BUNKER HILL VILLAGE	H	SAN JACINTO	HARRIS	080085000	08008500010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	478	469	125	56	33	33	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
CANDLELIGHT HILLS SUBDIVISION	H	SAN JACINTO	HARRIS	084043000	08404300010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	110	342	123	66	44	123	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
CHCRWA	H	SAN JACINTO	HARRIS	CHCRWA	CHCRWA10110	CHCRWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	423	211	132	217	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
CHIMNEY HILL MUD	H	SAN JACINTO	HARRIS	084053010	08405301010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	10	4	2	0	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
CONSUMERS WATER INC	H	SAN JACINTO	HARRIS	084072000	08407200010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	96	336	131	74	52	173	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
COUNTY-OTHER	H	TRINITY-SAN JACINTO	CHAMBERS	080757036	08075703603609	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	CHAMBERS	0361509	104	0	0	0	0	0	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
COUNTY-OTHER	H	SAN JACINTO	HARRIS	080757101	08075710110110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	181	1937	13715	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	HARRIS	080757101	08075710110111	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	203	0	17	0	0	0	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
CRYSTAL SPRNGS WATER COMPANY	H	SAN JACINTO	HARRIS	084081000	08408100010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	5	17	7	4	3	9	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
EL LAGO	H	SAN JACINTO-BRAZOS	HARRIS	080695000	08069500010111	CITY OF PASADENA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	248	270	77	36	22	33	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
FOUNTAINVIEW SUBDIVISION	H	SAN JACINTO	HARRIS	084132000	08413200010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	83	250	89	46	30	81	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
GALENA PARK	H	SAN JACINTO	HARRIS	080226000	08022600010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	22	25	9	5	5	49	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY FWSD #47	H	SAN JACINTO	HARRIS	084149000	08414900010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	25	14	1	0	0	0	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY FWSD #51	H	SAN JACINTO	HARRIS	084150000	08415000010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	363	266	68	26	15	15	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY FWSD #6	H	SAN JACINTO	HARRIS	084151000	08415100010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	103	145	50	29	21	74	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY MUD #158	H	SAN JACINTO	HARRIS	084165000	08416500010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	7	2	1	0	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY MUD #261	H	SAN JACINTO	HARRIS	084179000	08417900010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	140	495	158	72	42	42	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY MUD #345	H	SAN JACINTO	HARRIS	084182000	08418200010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	341	898	282	129	76	76	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY MUD #5	H	SAN JACINTO	HARRIS	084184000	08418400010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	157	411	126	57	33	33	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY MUD #53	H	SAN JACINTO	HARRIS	084186000	08418600010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	587	920	335	204	149	574	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY MUD #8	H	SAN JACINTO	HARRIS	084189000	08418900010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	96	140	49	29	21	88	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY WCID #1	H	SAN JACINTO	HARRIS	084193000	08419300010110	BAYTOWN AREA WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	26	71	49	39	196	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY WCID #21	H	SAN JACINTO	HARRIS	084196000	08419600010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	272	313	95	48	32	102	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY WCID #36	H	SAN JACINTO	HARRIS	084197000	08419700010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	190	268	92	54	40	160	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY WCID #50	H	SAN JACINTO	HARRIS	084198000	08419800010110	CITY OF PASADENA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	508	557	163	81	52	115	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY WCID #76	H	SAN JACINTO	HARRIS	084199000	08419900010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	73	187	57	26	15	15	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HARRIS COUNTY WCID #84	H	SAN JACINTO	HARRIS	084200000	08420000010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	199	200	55	25	15	25	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HEDWIG VILLAGE	H	SAN JACINTO	HARRIS	080269000	08026900010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	458	459	125	58	34	40	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HILSHIRE VILLAGE	H	SAN JACINTO	HARRIS	081025000	08102500010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	5	6	2	1	1	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HOUSTON	H	SAN JACINTO	FORT BEND	080285000	08028500007910	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	0	-454	-5	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HOUSTON	H	SAN JACINTO	HARRIS	080285000	08028500010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	-17056	-13867	-10665	-22379	-32021	-43418	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HOUSTON	H	SAN JACINTO-BRAZOS	HARRIS	080285000	08028500010111	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	-1197	-1409	-1531	-1657	-1790	-20	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HUMBLE	H	SAN JACINTO	HARRIS	080289000	08028900010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	820	820	879	450	293	707	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
HUNTERS CREEK VILLAGE	H	SAN JACINTO	HARRIS	080290000	08029000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	955	1034	302	150	96	210	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
IRRIGATION	H	BRAZOS	BRAZORIA	081004020	08100402002012	GULF COAST WATER AUTHORITY	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	G	BRAZOS	RESERVOIR	120E012	-50	-50	-50	-50	-50	-50	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
IRRIGATION	H	SAN JACINTO-BRAZOS	BRAZORIA	081004020	08100402002011	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	346120532B12	-13197	-13197	-13197	-13197	-13197	-13197	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
IRRIGATION	H	SAN JACINTO-BRAZOS	BRAZORIA	081004020	08100402002011	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	346120516812	-447	-447	-447	-447	-447	-447	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
IRRIGATION	H	NECHES-TRINITY	CHAMBERS	081004036	08100403603607	None	GULF COAST AQUIFER	H	NECHES-TRINITY	CHAMBERS	0361507	-104	-155	-183	-213	-243	-270	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
IRRIGATION	H	NECHES-TRINITY	CHAMBERS	081004036	08100403603607	CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	CHAMBERS	3460804279B08	-20376	-20600	-20734	-20857	-20975	-21076	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
IRRIGATION	H	TRINITY	CHAMBERS	081004036	08100403603608	CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	CHAMBERS	3460804279B08	20376	20600	20734	20857	20975	21076	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
IRRIGATION	H	TRINITY-SAN JACINTO	CHAMBERS	081004036	08100403603609	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	CHAMBERS	0361509	-530	-509	-472	-439	-409	-379	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
IRRIGATION	H	NECHES-TRINITY	LIBERTY	081004146	08100414614607	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	0	0	-1091	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
IRRIGATION	H	TRINITY	LIBERTY	081004146	08100414614608	CITY OF HOUSTON	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	LIBERTY	346080427708	-6657	-6697	-6732	-6767	-6805	-5742	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
IRRIGATION	H	TRINITY-SAN JACINTO	LIBERTY	081004146	08100414614609	CITY OF HOUSTON	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	LIBERTY	346080427708	6657	6697	6732	6767	6805	5742	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
IRRIGATION	H	TRINITY-SAN JACINTO	LIBERTY	081004146	08100414614609	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	0	0	1091	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
JACINTO CITY	H	SAN JACINTO	HARRIS	080301000	08030100010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	0	2	83	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
MANUFACTURING	H	BRAZOS	BRAZORIA	081001020	08100102002012	GULF COAST WATER AUTHORITY	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	G	BRAZOS	RESERVOIR	120E012	50	50	50	50	50	50	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
MANUFACTURING	H	BRAZOS	BRAZORIA	081001020	08100102002012	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	346120532B12	13197	13197	13197	13197	13197	13197	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
MANUFACTURING	H	BRAZOS	BRAZORIA	081001020	08100102002012	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	346120516812	447	447	447	447	447	447	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
MANUFACTURING	H	SAN JACINTO	HARRIS	081001101	08100110110110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	0	0	-67200	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
MANUFACTURING	H	SAN JACINTO-BRAZOS	HARRIS	081001101	08100110110111	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	4487	251	251	2029	1394	0	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
MINING	H	NECHES-TRINITY	CHAMBERS	081003036	08100303603607	None	GULF COAST AQUIFER	H	NECHES-TRINITY	CHAMBERS	0361507	104	155	183	213	243	270	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
MINING	H	TRINITY-SAN JACINTO	CHAMBERS	081003036	08100303603609	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	CHAMBERS	0361509	45	509	472	439	409	379	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
MINING	H	SAN JACINTO	HARRIS	081003101	08100310110110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	140	274	97	56	40	123	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
MINING	H	SAN JACINTO-BRAZOS	HARRIS	081003101	08100310110111	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	3	5	2	1	1	3	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
MONT BELVIEU	H	TRINITY-SAN JACINTO	CHAMBERS	080413000	08041300003609	None	GULF COAST AQUIFER	H	TRINITY-SAN JACINTO	CHAMBERS	0361509	203	0	0	0	0	0	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
NFBWA	H	BRAZOS	FORT BEND	NFBWA	NFBWA07912	NFBWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	218	211	220	1872	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
NFBWA	H	SAN JACINTO	FORT BEND	NFBWA	NFBWA07910	NFBWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	1965	1353	909	1466	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
NFBWA	H	SAN JACINTO-BRAZOS	FORT BEND	NFBWA	NFBWA07911	NFBWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	2504	2176	1821	8869	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
NFBWA	H	SAN JACINTO	HARRIS	NFBWA	NFBWA10110	NFBWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	199	106	67	80	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
NHCRWA	H	SAN JACINTO	HARRIS	088000000	08800000010110	NHCRWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	420	11686	55563	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
PARKWAY UD	H	SAN JACINTO	HARRIS	084298000	08429800010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	225	221	58	26	15	17	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
PEARLAND	H	SAN JACINTO-BRAZOS	BRAZORIA	080457000	08045700002011	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	201	294	325	0	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
PEARLAND	H	SAN JACINTO-BRAZOS	HARRIS	080457000	08045700010111	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	0	4	0	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
PINE TRAILS UTILITY	H	SAN JACINTO	HARRIS	084302000	08430200010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	215	266	85	47	33	110	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
PINEY POINT VILLAGE	H	SAN JACINTO	HARRIS	080468000	08046800010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	697	731	207	100	62	114	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
ROLLING FORK PUD	H	SAN JACINTO	HARRIS	084411000	08441100010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	173	470	152	74	45	76	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
SEABROOK	H	SAN JACINTO-BRAZOS	HARRIS	080545000	08054500010111	CITY OF PASADENA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	1109	484	484	271	188	603	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
SOUTHSIDE PLACE	H	SAN JACINTO	HARRIS	080572000	08057200010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	3	6	5	33	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
SOUTHWEST UTILITIES	H	SAN JACINTO	HARRIS	084343000	08434300010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	171	509	178	91	59	151	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
SPRING VALLEY	H	SAN JACINTO	HARRIS	080575000	08057500010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	213	585	190	90	56	94	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
STEAM ELECTRIC POWER	H	SAN JACINTO	HARRIS	081002101	08100210110110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	1229	1068	3909	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
STEAM ELECTRIC POWER	H	SAN JACINTO-BRAZOS	HARRIS	081002101	08100210110111	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	400	400	394	216	152	0	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
SUNBELT FWSD	H	SAN JACINTO	HARRIS	084350000	08435000010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	576	0	0	0	0	0	Y	REALLOCATE EXISTING SUPPLY	REALLOCATE EXISTING SUPPLY
WALLER	H	SAN JACINTO	HARRIS	080629000	08062900010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	0	0	203	Y	REALLOCATE EXISTING SUPP

Region H

Table 4A-7: WMS Supply Allocations by WUG

WUG Name	WUG RWPG	WUG Basin	WUG County	WUG ID	WUG-County-Basin ID	Wholesale Water Provider	Water Source	Source RWPG	Source Basin	Source County	Source-Basin ID	2010	2020	2030	2040	2050	2060	Non-Recursive Volume?	Major WMS Project Name	WUG-Level WMS Name
MONTGOMERY	H	SAN JACINTO	MONTGOMERY	MONTGOMERY	MONTGOMERY17010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	374	710	1087	0	0	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY	H	SAN JACINTO	MONTGOMERY	MONTGOMERY	MONTGOMERY17010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	0	0	1151	1011	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY MUD #18	H	SAN JACINTO	MONTGOMERY	084261000	08426100017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	-1909	-2136	-2308	Y	SJRA WRAP	Supplies
MONTGOMERY COUNTY MUD #18	H	SAN JACINTO	MONTGOMERY	084261000	08426100017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	865	1655	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY MUD #18	H	SAN JACINTO	MONTGOMERY	084261000	08426100017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	0	3236	3122	3000	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY MUD #19	H	SAN JACINTO	MONTGOMERY	084262000	08426200017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	-199	-173	-141	-115	Y	SJRA WRAP	Supplies
MONTGOMERY COUNTY MUD #19	H	SAN JACINTO	MONTGOMERY	084262000	08426200017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	167	0	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY MUD #19	H	SAN JACINTO	MONTGOMERY	084262000	08426200017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	410	296	209	153	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY MUD #8	H	SAN JACINTO	MONTGOMERY	084263000	08426300017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	-546	-441	-358	Y	SJRA WRAP	Supplies
MONTGOMERY COUNTY MUD #8	H	SAN JACINTO	MONTGOMERY	084263000	08426300017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	16	160	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY MUD #8	H	SAN JACINTO	MONTGOMERY	084263000	08426300017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	51	63	583	407	295	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY MUD #9	H	SAN JACINTO	MONTGOMERY	084264000	08426400017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	-589	-488	-404	Y	SJRA WRAP	Supplies
MONTGOMERY COUNTY MUD #9	H	SAN JACINTO	MONTGOMERY	084264000	08426400017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	19	171	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY MUD #9	H	SAN JACINTO	MONTGOMERY	084264000	08426400017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	51	64	633	453	335	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY UD #2	H	SAN JACINTO	MONTGOMERY	084265000	08426500017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	203	259	298	337	369	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY UD #3	H	SAN JACINTO	MONTGOMERY	084266000	08426600017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	-245	-232	-222	Y	SJRA WRAP	Supplies
MONTGOMERY COUNTY UD #3	H	SAN JACINTO	MONTGOMERY	084266000	08426600017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	184	264	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY UD #3	H	SAN JACINTO	MONTGOMERY	084266000	08426600017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	0	418	342	292	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY UD #4	H	SAN JACINTO	MONTGOMERY	084267000	08426700017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	-369	-300	-245	Y	SJRA WRAP	Supplies
MONTGOMERY COUNTY UD #4	H	SAN JACINTO	MONTGOMERY	084267000	08426700017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	353	452	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY UD #4	H	SAN JACINTO	MONTGOMERY	084267000	08426700017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	0	630	445	326	Y	SJRA WRAP	SJRA WRAP Participation
MONTGOMERY COUNTY WCID #1	H	SAN JACINTO	MONTGOMERY	084268000	08426800017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	189	272	358	470	600	Y	SJRA WRAP	SJRA WRAP Participation
NEW CANEY MUD	H	SAN JACINTO	MONTGOMERY	084272000	08427200017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	546	944	1396	2058	2854	Y	SJRA WRAP	SJRA WRAP Participation
OAK RIDGE NORTH	H	SAN JACINTO	MONTGOMERY	080726000	08072600017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	-398	-418	-414	-414	Y	SJRA WRAP	Supplies
OAK RIDGE NORTH	H	SAN JACINTO	MONTGOMERY	080726000	08072600017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	272	0	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
OAK RIDGE NORTH	H	SAN JACINTO	MONTGOMERY	080726000	08072600017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	816	709	609	541	Y	SJRA WRAP	SJRA WRAP Participation
PANORAMA VILLAGE	H	SAN JACINTO	MONTGOMERY	080732000	08073200017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	-315	-290	-247	-211	Y	SJRA WRAP	Supplies
PANORAMA VILLAGE	H	SAN JACINTO	MONTGOMERY	080732000	08073200017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	251	0	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
PANORAMA VILLAGE	H	SAN JACINTO	MONTGOMERY	080732000	08073200017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	649	496	366	280	Y	SJRA WRAP	SJRA WRAP Participation
PATTON VILLAGE	H	SAN JACINTO	MONTGOMERY	080734000	08073400017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	32	47	64	84	113	Y	SJRA WRAP	SJRA WRAP Participation
POINT AQUARIUS MUD	H	SAN JACINTO	MONTGOMERY	084305000	08430500017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	331	613	966	1472	2091	Y	SJRA WRAP	SJRA WRAP Participation
PORTER WSC	H	SAN JACINTO	MONTGOMERY	084307000	08430700017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	777	1260	1826	2047	2239	Y	SJRA WRAP	SJRA WRAP Participation
RAYFORD ROAD MUD	H	SAN JACINTO	MONTGOMERY	084312000	08431200017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	-1005	-884	-719	-587	Y	SJRA WRAP	Supplies
RAYFORD ROAD MUD	H	SAN JACINTO	MONTGOMERY	084312000	08431200017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	826	0	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
RAYFORD ROAD MUD	H	SAN JACINTO	MONTGOMERY	084312000	08431200017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	2055	1501	1060	776	Y	SJRA WRAP	SJRA WRAP Participation
RIVER PLANTATION MUD	H	SAN JACINTO	MONTGOMERY	084322000	08432200017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	0	0	0	Y	SJRA WRAP	Supplies
RIVER PLANTATION MUD	H	SAN JACINTO	MONTGOMERY	084322000	08432200017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
RIVER PLANTATION MUD	H	SAN JACINTO	MONTGOMERY	084322000	08432200017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	0	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
ROMAN FOREST	H	SAN JACINTO	MONTGOMERY	080801000	08080100017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	306	561	860	1283	1809	Y	SJRA WRAP	SJRA WRAP Participation
SHENANDOAH	H	SAN JACINTO	MONTGOMERY	080745000	08074500017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	-1046	-1064	-1025	-996	Y	SJRA WRAP	Supplies
SHENANDOAH	H	SAN JACINTO	MONTGOMERY	080745000	08074500017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	737	0	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
SHENANDOAH	H	SAN JACINTO	MONTGOMERY	080745000	08074500017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	2144	1808	1504	1304	Y	SJRA WRAP	SJRA WRAP Participation
SOUTHERN MONTGOMERY COUNTY MUD	H	SAN JACINTO	MONTGOMERY	084339000	08433900017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	-1072	-974	-804	-673	Y	SJRA WRAP	Supplies
SOUTHERN MONTGOMERY COUNTY MUD	H	SAN JACINTO	MONTGOMERY	084339000	08433900017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	866	0	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
SOUTHERN MONTGOMERY COUNTY MUD	H	SAN JACINTO	MONTGOMERY	084339000	08433900017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	2190	1650	1179	884	Y	SJRA WRAP	SJRA WRAP Participation
SOUTHWEST UTILITIES	H	SAN JACINTO	MONTGOMERY	084343000	08434300017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	102	166	237	336	457	Y	SJRA WRAP	SJRA WRAP Participation
SPLENDORA	H	SAN JACINTO	MONTGOMERY	080962000	08096200017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	83	141	212	313	435	Y	SJRA WRAP	SJRA WRAP Participation
SPRING CREEK UD	H	SAN JACINTO	MONTGOMERY	084344000	08434400017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	-355	-401	-428	-447	Y	SJRA WRAP	Supplies
SPRING CREEK UD	H	SAN JACINTO	MONTGOMERY	084344000	08434400017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	224	0	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
SPRING CREEK UD	H	SAN JACINTO	MONTGOMERY	084344000	08434400017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	727	681	626	583	Y	SJRA WRAP	SJRA WRAP Participation
STAGECOACH	H	SAN JACINTO	MONTGOMERY	STAGECOACH	STAGECOACH17010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	39	68	107	165	249	Y	SJRA WRAP	SJRA WRAP Participation
STANLEY LAKE MUD	H	SAN JACINTO	MONTGOMERY	084347000	08434700017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	-348	-284	-231	Y	SJRA WRAP	Supplies
STANLEY LAKE MUD	H	SAN JACINTO	MONTGOMERY	084347000	08434700017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	329	423	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
STANLEY LAKE MUD	H	SAN JACINTO	MONTGOMERY	084347000	08434700017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	0	593	419	307	Y	SJRA WRAP	SJRA WRAP Participation
STEAM ELECTRIC POWER	H	SAN JACINTO	MONTGOMERY	081002170	08100217017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	0	0	1593	4307	Y	SJRA WRAP	SJRA WRAP Participation
THE WOODLANDS	H	SAN JACINTO	MONTGOMERY	088001000	08800100017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	-13848	-12584	-11041	-8974	-7359	Y	SJRA WRAP	Supplies
THE WOODLANDS	H	SAN JACINTO	MONTGOMERY	088001000	08800100017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	23426	25536	18663	13118	9607	Y	SJRA WRAP	SJRA WRAP Participation
WILLIS	H	SAN JACINTO	MONTGOMERY	080655000	08065500017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	0	-362	-401	-415	-429	Y	SJRA WRAP	Supplies
WILLIS	H	SAN JACINTO	MONTGOMERY	080655000	08065500017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	236	0	0	0	0	Y	SJRA WRAP	SJRA WRAP Participation
WILLIS	H	SAN JACINTO	MONTGOMERY	080655000	08065500017010	SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	H	SAN JACINTO	MONTGOMERY	1006010	0	0	742	681	608	559	Y	SJRA WRAP	SJRA WRAP Participation
WOODBRANCH	H	SAN JACINTO	MONTGOMERY	080807000	08080700017010	SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER	H	SAN JACINTO	MONTGOMERY	1701510	0	74	107	138	177	225	Y	SJRA WRAP	SJRA WRAP Participation
COUNTY-OTHER	H	BRAZOS	FORT BEND	080757079	08075707907912	SUGAR LAND	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	102	919	1293	1291	1183	Y	SUGAR LAND GRP	Sugar Land GRP Participation
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	FORT BEND	080757079	08075707907911	SUGAR LAND	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	FORT BEND	0791511	0	29	60	536	814	814	Y	SUGAR LAND GRP	Sugar Land GRP Participation
FORT BEND COUNTY MUD #106	H	BRAZOS	FORT BEND	084117000	08411700007912	SUGAR LAND	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	80	278	127	64	37	Y	SUGAR LAND GRP	Sugar Land GRP Participation
FORT BEND COUNTY MUD #111	H	BRAZOS	FORT BEND	084119000	08411900007912	SUGAR LAND	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	64	107	102	51	29	Y	SUGAR LAND GRP	Sugar Land GRP Participation
FORT BEND COUNTY MUD #67	H	BRAZOS	FORT BEND	084126000	08412600007912	SUGAR LAND	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	69	115	108	54	31	Y	SUGAR LAND GRP	Sugar Land GRP Participation
FORT BEND COUNTY MUD #68	H	BRAZOS	FORT BEND	084127000	08412700007912	SUGAR LAND	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	50	74	80	40	23	Y	SUGAR LAND GRP	Sugar Land GRP Participation
FORT BEND COUNTY MUD #69	H	BRAZOS	FORT BEND	084128000	08412800007912	SUGAR LAND	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	40	51	63	32	18	Y	SUGAR LAND GRP	Sugar Land GRP Participation
PLANTATION MUD	H	SAN JACINTO-BRAZOS	FORT BEND	084303000	08430300007911	SUGAR LAND	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	FORT BEND	0791511	0	46	159	71	35	20	Y	SUGAR LAND GRP	Sugar Land GRP Participation
SUGAR LAND	H	BRAZOS	FORT BEND	080585000	08058500007912	SUGAR LAND	GULF COAST AQUIFER	H	BRAZOS	FORT BEND	0791512	0	-405	-1544	-1773	-1532	-1321	Y	SUGAR LAND GRP	Sugar Land GRP Participation
SUGAR LAND	H	SAN JACINTO-BRAZOS	FORT BEND	080585000	08058500007911	SUGAR LAND	GULF COAST AQUIFER	H	SAN JACINTO-BRAZOS	FORT BEND	0791511	0	-147	-338	-812	-974	-913	Y	SUGAR LAND GRP	Sugar Land GRP Participation
SUGAR LAND	H	BRAZOS	FORT BEND	080585000	08058500007912	SUGAR LAND	SUGAR LAND GRP REUSE	H	BRAZOS	FORT BEND	SLGR12	0	560	5040	5040	5040	5040	Y	SUGAR LAND GRP Reuse	SUGAR LAND GRP Reuse
BELLAIRE	H	SAN JACINTO	HARRIS	080046000	08004600010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	1327	1841	2179	2179	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
BRITMOORE UTILITIES	H	SAN JACINTO	HARRIS	084036000	08403600010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	339	479	570	570	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
BUNKER HILL VILLAGE	H	SAN JACINTO	HARRIS	080085000	08008500010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	335	399	415	415	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
CANDLELIGHT HILLS SUBDIVISION	H	SAN JACINTO	HARRIS	084043000	08404300010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	331	470	561	561	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
CHCRWA	H	SAN JACINTO	HARRIS	CHCRWA	CHCRWA10110	CHCRWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	1129	1500	1668	1668	Y	TRA TO HOUSTON CONTRACT	CHCRWA to WUG Contract
CHIMNEY HILL MUD	H	SAN JACINTO	HARRIS	084053000	08405300010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	27	27	118	118	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
CONSUMERS WATER INC	H	SAN JACINTO	HARRIS	084072000	08407200010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	352	522	661	661	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
COUNTY-OTHER	H	SAN JACINTO	HARRIS	080757101	08075710110111	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	0	0	2155	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	HARRIS	080757101	08075710110111	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	47	47	47	47	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
CRYSTAL SPRNGS WATER COMPANY	H	SAN JACINTO	HARRIS	084081000	08408100010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	17	26	32	32	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
EL LAGO	H	SAN JACINTO-BRAZOS	HARRIS	080695000	08069500010111	CITY OF PASADENA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	206	258	276	276	Y	TRA TO HOUSTON CONTRACT	Pasadena to WUG Contract
FOUNTAINVIEW SUBDIVISION	H	SAN JACINTO	HARRIS	084132000	08413200010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	237	326	384	384	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
GALENA PARK	H	SAN JACINTO	HARRIS	080226000	08022600010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	24	35	66	66	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
HARRIS COUNTY FWSD #47	H	SAN JACINTO	HARRIS	084149000	08414900010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	3	3	3	3	Y	TRA TO HOUSTON CONTRACT	NCWA to WUG Contract
HARRIS COUNTY FWSD #51	H	SAN JACINTO	HARRIS	084150000	08415000010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	182	187	196	196	Y	TRA TO HOUSTON CONTRACT	NCWA to WUG Contract
HARRIS COUNTY FWSD #6	H	SAN JACINTO	HARRIS	084151000	08415100010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	134	207	260	260	Y	TRA TO HOUSTON CONTRACT	NCWA to WUG Contract
HARRIS COUNTY MUD #158	H	SAN JACINTO	HARRIS	084165000	08416500010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	18	18	18	18	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
HARRIS COUNTY MUD #261	H	SAN JACINTO	HARRIS	084179000	08417900010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	423	513	537	537	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
HARRIS COUNTY MUD #345	H	SAN JACINTO	HARRIS	084182000	08418200010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	756	916	959	959	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
HARRIS COUNTY MUD #5	H	SAN JACINTO	HARRIS	084184000	08418400010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	339	402	415	415	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
HARRIS COUNTY MUD #53	H	SAN JACINTO	HARRIS	084186000	08418600010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	896	1448	1880	1880	Y	TRA TO HOUSTON CONTRACT	NCWA to WUG Contract
HARRIS COUNTY MUD #8	H	SAN JACINTO	HARRIS	084189000	08418900010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	130	205	271	271	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
HARRIS COUNTY WCID #1	H	SAN JACINTO	HARRIS	084193000	08419300010110	BAYTOWN AREA WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	191	349	496	496	Y	TRA TO HOUSTON CONTRACT	BAWA to WUG Contract
HARRIS COUNTY WCID #21	H	SAN JACINTO	HARRIS	084196000	08419600010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	254	341	411	411	Y	TRA TO HOUSTON CONTRACT	NCWA to WUG Contract
HARRIS COUNTY WCID #36	H	SAN JACINTO	HARRIS	084197000	08419700010110	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	246	384	500	500	Y	TRA TO HOUSTON CONTRACT	NCWA to WUG Contract
HARRIS COUNTY WCID #50	H	SAN JACINTO	HARRIS	084198000	08419800010110	CITY OF PASADENA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	437	578	657	657	Y	TRA TO HOUSTON CONTRACT	Pasadena to WUG Contract
HARRIS COUNTY WCID #76	H	SAN JACINTO	HARRIS	084199000	08419900010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	154	183	189	189	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
HARRIS COUNTY WCID #84	H	SAN JACINTO	HARRIS	084200000

Region H

Table 4A-7: WMS Supply Allocations by WUG

WUG Name	WUG RWPG	WUG Basin	WUG County	WUG ID	WUG-County-Basin ID	Wholesale Water Provider	Water Source	Source RWPG	Source Basin	Source County	Source-Basin ID	2010	2020	2030	2040	2050	2060	Non-Recursive Volume?	Major WMS Project Name	WUG-Level WMS Name
STEAM ELECTRIC POWER	H	SAN JACINTO	HARRIS	081002101	08100210110110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	4396	4396	4396	4396	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
STEAM ELECTRIC POWER	H	SAN JACINTO-BRAZOS	HARRIS	081002101	08100210110111	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	1055	1055	1055	1055	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
WEST UNIVERSITY PL.	H	SAN JACINTO	HARRIS	080643000	08064300010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	363	568	759	759	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
WHCRWA	H	SAN JACINTO	FORT BEND	088002000	08800200007910	WHCRWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	1261	1261	1872	1872	Y	TRA TO HOUSTON CONTRACT	WHCRWA to WUG Contract
WHCRWA	H	SAN JACINTO	HARRIS	088002000	08800200010110	WHCRWA	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	32469	32469	37089	37089	Y	TRA TO HOUSTON CONTRACT	WHCRWA to WUG Contract
WILLOW RUN SUBDIVISION	H	SAN JACINTO	HARRIS	084398000	08439800010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	345	412	425	425	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
WINDFERN FOREST UD	H	SAN JACINTO	HARRIS	084401000	08440100010110	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	496	596	624	624	Y	TRA TO HOUSTON CONTRACT	COH to WUG Contract
CONROE	H	SAN JACINTO	MONTGOMERY	080130000	08013000017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	2165	9786	17812	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO	MONTGOMERY	080757170	08075717017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	537	8580	25585	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
CUT AND SHOOT	H	SAN JACINTO	MONTGOMERY	080854000	08085400017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	33	147	265	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
EAST PLANTATION UD	H	SAN JACINTO	MONTGOMERY	084098000	08409800017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	91	426	794	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
H M W SUD	H	SAN JACINTO	MONTGOMERY	084147000	08414700017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	261	1164	2091	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
MONTGOMERY	H	SAN JACINTO	MONTGOMERY	MONTGOMERY	MONTGOMERY17010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	0	835	1467	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
MONTGOMERY COUNTY MUD #18	H	SAN JACINTO	MONTGOMERY	084261000	08426100017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	461	2265	4354	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
MONTGOMERY COUNTY MUD #19	H	SAN JACINTO	MONTGOMERY	084262000	08426200017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	42	152	222	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
MONTGOMERY COUNTY MUD #8	H	SAN JACINTO	MONTGOMERY	084263000	08426300017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	149	361	493	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
MONTGOMERY COUNTY MUD #9	H	SAN JACINTO	MONTGOMERY	084264000	08426400017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	160	400	558	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
MONTGOMERY COUNTY UD #3	H	SAN JACINTO	MONTGOMERY	084266000	08426600017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	60	248	423	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
MONTGOMERY COUNTY UD #4	H	SAN JACINTO	MONTGOMERY	084267000	08426700017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	90	322	473	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
OAK RIDGE NORTH	H	SAN JACINTO	MONTGOMERY	080726000	08072600017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	101	442	784	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
PANORAMA VILLAGE	H	SAN JACINTO	MONTGOMERY	080732000	08073200017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	71	265	406	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
RAYFORD ROAD MUD	H	SAN JACINTO	MONTGOMERY	084312000	08431200017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	214	769	1127	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
RIVER PLANTATION MUD	H	SAN JACINTO	MONTGOMERY	084322000	08432200017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	76	272	398	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
SHENANDOAH	H	SAN JACINTO	MONTGOMERY	080745000	08074500017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	258	1091	1892	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
SOUTHERN MONTGOMERY COUNTY MUD	H	SAN JACINTO	MONTGOMERY	084339000	08433900017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	235	856	1282	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
SPRING CREEK UD	H	SAN JACINTO	MONTGOMERY	084344000	08434400017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	97	455	846	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
STANLEY LAKE MUD	H	SAN JACINTO	MONTGOMERY	084347000	08434700017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	84	304	445	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
THE WOODLANDS	H	SAN JACINTO	MONTGOMERY	089001000	08900100017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	2653	9514	13948	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
WILLIS	H	SAN JACINTO	MONTGOMERY	080655000	08065500017010	SAN JACINTO RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H008	0	0	0	97	442	811	Y	TRA TO SJRA CONTRACT	SJRA to WUG Contract
MANUFACTURING	H	SAN JACINTO	HARRIS	081001101	08100110110110	CITY OF HOUSTON	WASTEWATER REUSE FOR INDUSTRY	H	SAN JACINTO	HARRIS	361010110	0	0	0	0	0	67200	Y	WASTEWATER REUSE FOR INDUSTRY	INDUSTRY
HARRIS COUNTY MUD #132	H	SAN JACINTO	HARRIS	084157000	08415700010110	WHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	421	1393	1909	2292	2667	3058	Y	WHCRWA GRP	WHCRWA GRP Participation
HARRIS COUNTY MUD #151	H	SAN JACINTO	HARRIS	084159000	08415900010110	WHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	306	811	932	925	925	925	Y	WHCRWA GRP	WHCRWA GRP Participation
HARRIS COUNTY MUD #152	H	SAN JACINTO	HARRIS	084160000	08416000010110	WHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	189	650	909	1112	1324	1536	Y	WHCRWA GRP	WHCRWA GRP Participation
HARRIS COUNTY MUD #180	H	SAN JACINTO	HARRIS	084170000	08417000010110	WHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	148	475	640	758	874	996	Y	WHCRWA GRP	WHCRWA GRP Participation
HARRIS COUNTY MUD #46	H	SAN JACINTO	HARRIS	084183000	08418300010110	WHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	201	526	598	593	593	593	Y	WHCRWA GRP	WHCRWA GRP Participation
KATY	H	SAN JACINTO	FORT BEND	080312000	08031200007910	WHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	FORT BEND	0791510	68	238	356	462	601	764	Y	WHCRWA GRP	WHCRWA GRP Participation
KATY	H	SAN JACINTO	HARRIS	080312000	08031200010110	WHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	756	2462	3347	3989	4619	5276	Y	WHCRWA GRP	WHCRWA GRP Participation
KATY	H	SAN JACINTO	WALLER	080312000	08031200022210	WHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	65	258	409	566	751	968	Y	WHCRWA GRP	WHCRWA GRP Participation
TRAIL OF THE LAKES MUD	H	SAN JACINTO	HARRIS	084355000	08435500010110	WHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	334	876	1005	986	986	986	Y	WHCRWA GRP	WHCRWA GRP Participation
WHCRWA	H	SAN JACINTO	FORT BEND	088002000	08800200007910	WHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	FORT BEND	0791510	-68	-238	-356	-462	-601	-764	Y	WHCRWA GRP	WHCRWA GRP Participation
WHCRWA	H	SAN JACINTO	HARRIS	088002000	08800200010110	WHCRWA	GULF COAST AQUIFER	H	SAN JACINTO	HARRIS	1011510	-2420	-7451	-9749	-11221	-12739	-14340	Y	WHCRWA GRP	WHCRWA GRP Participation
ALVIN	H	SAN JACINTO-BRAZOS	BRAZORIA	080013000	08001300002011	GULF COAST WATER AUTHORITY	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	3510101110	0	0	41	84	152	229	Y	GCWA RECLAIMED WATER FROM COH	GCWA to WUG Contract
BACLIFF MUD	H	SAN JACINTO-BRAZOS	GALVESTON	084012000	08401200008411	GULF COAST WATER AUTHORITY	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	3510101110	0	838	828	813	794	772	Y	GCWA RECLAIMED WATER FROM COH	GCWA to WUG Contract
BAYOU VISTA	H	SAN JACINTO-BRAZOS	GALVESTON	080759000	08075900008411	GULF COAST WATER AUTHORITY	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	3510101110	0	217	215	211	206	200	Y	GCWA RECLAIMED WATER FROM COH	GCWA to WUG Contract
CLEAR LAKE SHORES	H	SAN JACINTO-BRAZOS	GALVESTON	080764000	08076400008411	GULF COAST WATER AUTHORITY	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	3510101110	0	101	101	99	97	94	Y	GCWA RECLAIMED WATER FROM COH	GCWA to WUG Contract
COUNTY-OTHER	H	SAN JACINTO-BRAZOS	GALVESTON	080757084	08075708408411	GULF COAST WATER AUTHORITY	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	3510101110	0	1228	1213	1191	1164	1130	Y	GCWA RECLAIMED WATER FROM COH	GCWA to WUG Contract
GALVESTON COUNTY WCID #12	H	SAN JACINTO-BRAZOS	GALVESTON	084136000	08413600008411	GULF COAST WATER AUTHORITY	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	3510101110	0	1292	1276	1253	1224	1189	Y	GCWA RECLAIMED WATER FROM COH	GCWA to WUG Contract
HITCHCOCK	H	SAN JACINTO-BRAZOS	GALVESTON	080279000	08027900008411	GULF COAST WATER AUTHORITY	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	3510101110	0	801	791	777	759	737	Y	GCWA RECLAIMED WATER FROM COH	GCWA to WUG Contract
KEMAH	H	SAN JACINTO-BRAZOS	GALVESTON	080316000	08031600008411	GULF COAST WATER AUTHORITY	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	3510101110	0	114	122	122	121	120	Y	GCWA RECLAIMED WATER FROM COH	GCWA to WUG Contract
LA MARQUE	H	SAN JACINTO-BRAZOS	GALVESTON	080342000	08034200008411	GULF COAST WATER AUTHORITY	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	3510101110	0	1342	1326	1302	1272	1235	Y	GCWA RECLAIMED WATER FROM COH	GCWA to WUG Contract
LEAGUE CITY	H	SAN JACINTO-BRAZOS	GALVESTON	080350000	08035000008411	GULF COAST WATER AUTHORITY	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	3510101110	0	2890	3001	2975	2940	2894	Y	GCWA RECLAIMED WATER FROM COH	GCWA to WUG Contract
MANUFACTURING	H	SAN JACINTO-BRAZOS	GALVESTON	081001084	08100108408411	GULF COAST WATER AUTHORITY	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	3510101110	0	28631	28291	27776	27129	26352	Y	GCWA RECLAIMED WATER FROM COH	GCWA to WUG Contract
MANVEL	H	SAN JACINTO-BRAZOS	BRAZORIA	080721000	08072100002011	GULF COAST WATER AUTHORITY	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	3510101110	0	21	18	18	19	20	Y	GCWA RECLAIMED WATER FROM COH	GCWA to WUG Contract
PEARLAND	H	SAN JACINTO-BRAZOS	BRAZORIA	080457000	08045700002011	GULF COAST WATER AUTHORITY	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	3510101110	0	6342	6498	7004	7655	8470	Y	GCWA RECLAIMED WATER FROM COH	GCWA to WUG Contract
SAN LEON MUD	H	SAN JACINTO-BRAZOS	GALVESTON	084329000	08432900008411	GULF COAST WATER AUTHORITY	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	3510101110	0	1389	1372	1347	1316	1278	Y	GCWA RECLAIMED WATER FROM COH	GCWA to WUG Contract
SANTA FE	H	SAN JACINTO-BRAZOS	GALVESTON	080743000	08074300008411	GULF COAST WATER AUTHORITY	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	3510101110	0	483	477	469	458	445	Y	GCWA RECLAIMED WATER FROM COH	GCWA to WUG Contract
STEAM ELECTRIC POWER	H	SAN JACINTO-BRAZOS	GALVESTON	081002084	08100208408411	GULF COAST WATER AUTHORITY	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	3510101110	0	1512	1746	2050	2403	2807	Y	GCWA RECLAIMED WATER FROM COH	GCWA to WUG Contract
TEXAS CITY	H	SAN JACINTO-BRAZOS	GALVESTON	080602000	08060200008411	GULF COAST WATER AUTHORITY	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	3510101110	0	9258	9148	8981	8773	8521	Y	GCWA RECLAIMED WATER FROM COH	GCWA to WUG Contract
TIKI ISLAND	H	SAN JACINTO-BRAZOS	GALVESTON	080973000	08097300008411	GULF COAST WATER AUTHORITY	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	3510101110	0	437	432	424	414	403	Y	GCWA RECLAIMED WATER FROM COH	GCWA to WUG Contract

Attachment H:

Amended Table 4A-8: WUG-Level Contracts

Region H
Table 4A-8: WUG-Level Contracts

Note- includes GRP/WRAP participation, reuse supplies with a listed WWP, expanded GW with a listed WWP, and interruptible irrigation supplies.

WWP	WWP ID	WUG	WUG Basin	WUG County	WUG ID	2010	2020	2030	2040	2050	2060
BAYTOWN AREA WATER AUTHORITY	15	HARRIS COUNTY WCID #1	SAN JACINTO	HARRIS	08419300010110	0	26	262	398	535	692
WWP Total						**0**	**26**	**262**	**398**	**535**	**692**
BRAZOS RIVER AUTHORITY	331	COUNTY-OTHER	SAN JACINTO	FORT BEND	08075707907910	0	23	61	471	1,532	2,737
BRAZOS RIVER AUTHORITY	331	COUNTY-OTHER	SAN JACINTO-BRAZOS	FORT BEND	08075707907911	0	0	0	123	6,420	13,886
BRAZOS RIVER AUTHORITY	331	COUNTY-OTHER	BRAZOS	FORT BEND	08075707907912	0	0	426	3,883	11,715	21,156
BRAZOS RIVER AUTHORITY	331	MANUFACTURING	SAN JACINTO-BRAZOS	BRAZORIA	08100102002011	0	0	0	1,615	4,484	8,140
BRAZOS RIVER AUTHORITY	331	MANUFACTURING	BRAZOS	BRAZORIA	08100102002012	0	47,499	29,570	49,592	67,501	88,950
BRAZOS RIVER AUTHORITY	331	MANUFACTURING	SAN JACINTO	FORT BEND	08100107907910	0	623	1,292	1,354	1,396	1,297
BRAZOS RIVER AUTHORITY	331	MANUFACTURING	BRAZOS	FORT BEND	08100107907912	0	0	406	445	471	422
BRAZOS RIVER AUTHORITY	331	MINING	SAN JACINTO-BRAZOS	BRAZORIA	08100302002011	0	73	103	146	195	244
BRAZOS RIVER AUTHORITY	331	MINING	BRAZOS	BRAZORIA	08100302002012	0	119	136	154	171	187
BRAZOS RIVER AUTHORITY	331	MINING	BRAZOS-COLORADO	BRAZORIA	08100302002013	0	431	546	662	807	956
BRAZOS RIVER AUTHORITY	331	MINING	SAN JACINTO	FORT BEND	08100307907910	0	77	165	168	171	173
BRAZOS RIVER AUTHORITY	331	MINING	BRAZOS	FORT BEND	08100307907912	0	189	383	389	396	401
BRAZOS RIVER AUTHORITY	331	FAIRCHILDS	BRAZOS	FORT BEND	08101900007912	0	125	354	483	657	856
BRAZOS RIVER AUTHORITY	331	FORT BEND COUNTY MUD #25	SAN JACINTO-BRAZOS	FORT BEND	08412200007911	0	0	1,025	1,769	2,775	3,924
BRAZOS RIVER AUTHORITY	331	FORT BEND COUNTY MUD #81	BRAZOS	FORT BEND	08412900007912	0	253	734	1,042	1,451	1,918
BRAZOS RIVER AUTHORITY	331	ORBIT SYSTEMS INC	SAN JACINTO-BRAZOS	FORT BEND	08429400007911	0	4	10	12	14	17
WWP Total						**0**	**49,416**	**35,211**	**62,308**	**100,156**	**145,264**
BRAZOSPORT WATER AUTHORITY	2000	ANGLETON	SAN JACINTO-BRAZOS	BRAZORIA	08001800002011	137	98	103	112	160	231
BRAZOSPORT WATER AUTHORITY	2000	CLUTE	SAN JACINTO-BRAZOS	BRAZORIA	08011800002011	0	0	24	42	84	144
BRAZOSPORT WATER AUTHORITY	2000	FREEPORT	SAN JACINTO-BRAZOS	BRAZORIA	08021700002011	0	95	263	439	670	950
BRAZOSPORT WATER AUTHORITY	2000	LAKE JACKSON	SAN JACINTO-BRAZOS	BRAZORIA	08033800002011	744	708	830	1,049	1,349	1,703
BRAZOSPORT WATER AUTHORITY	2000	RICHWOOD	SAN JACINTO-BRAZOS	BRAZORIA	08050100002011	36	33	36	42	56	76
BRAZOSPORT WATER AUTHORITY	2000	OYSTER CREEK	SAN JACINTO-BRAZOS	BRAZORIA	08073000002011	25	31	42	57	76	100
BRAZOSPORT WATER AUTHORITY	2000	COUNTY-OTHER	SAN JACINTO-BRAZOS	BRAZORIA	08075702002011	4,730	3,837	4,313	5,198	6,108	7,327
BRAZOSPORT WATER AUTHORITY	2000	COUNTY-OTHER	BRAZOS	BRAZORIA	08075702002012	0	116	124	129	137	146
BRAZOSPORT WATER AUTHORITY	2000	COUNTY-OTHER	BRAZOS-COLORADO	BRAZORIA	08075702002013	1,752	1,852	2,005	2,109	2,293	2,508
BRAZOSPORT WATER AUTHORITY	2000	MANUFACTURING	SAN JACINTO-BRAZOS	BRAZORIA	08100102002011	0	844	4	6	0	0
BRAZOSPORT WATER AUTHORITY	2000	MANUFACTURING	BRAZOS	BRAZORIA	08100102002012	326	252	130	124	0	0
BRAZOSPORT WATER AUTHORITY	2000	ANGLETON	SAN JACINTO-BRAZOS	BRAZORIA	08001800002011	0	364	365	366	376	389
BRAZOSPORT WATER AUTHORITY	2000	BRAZORIA	BRAZOS	BRAZORIA	08008200002012	0	64	64	64	64	64
BRAZOSPORT WATER AUTHORITY	2000	CLUTE	SAN JACINTO-BRAZOS	BRAZORIA	08011800002011	0	213	218	221	229	240
BRAZOSPORT WATER AUTHORITY	2000	COUNTY-OTHER	SAN JACINTO-BRAZOS	BRAZORIA	08075702002011	0	1,161	1,280	1,198	1,098	945
BRAZOSPORT WATER AUTHORITY	2000	FREEPORT	SAN JACINTO-BRAZOS	BRAZORIA	08021700002011	0	380	412	446	489	543
BRAZOSPORT WATER AUTHORITY	2000	LAKE JACKSON	SAN JACINTO-BRAZOS	BRAZORIA	08033800002011	0	561	584	625	682	750
BRAZOSPORT WATER AUTHORITY	2000	MANUFACTURING	SAN JACINTO-BRAZOS	BRAZORIA	08100102002011	0	311	128	127	102	102
BRAZOSPORT WATER AUTHORITY	2000	OYSTER CREEK	SAN JACINTO-BRAZOS	BRAZORIA	08073000002011	0	26	28	31	35	39
BRAZOSPORT WATER AUTHORITY	2000	RICHWOOD	SAN JACINTO-BRAZOS	BRAZORIA	08050100002011	0	56	57	58	61	64
WWP Total						**7,750**	**11,002**	**11,010**	**12,443**	**14,069**	**16,321**
CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	150	MONT BELVIEU	TRINITY	CHAMBERS	08041300003608	0	677	824	955	1,090	1,230
CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	150	MONT BELVIEU	TRINITY-SAN JACINTO	CHAMBERS	08041300003609	0	268	335	396	462	532
CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	150	OLD RIVER-WINFREE	TRINITY	CHAMBERS	08072700003608	0	178	189	198	211	225
CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	150	COUNTY-OTHER	TRINITY	CHAMBERS	08075703603608	0	187	180	173	168	166
CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	150	COUNTY-OTHER	TRINITY-SAN JACINTO	CHAMBERS	08075703603609	0	101	100	99	97	99
CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	150	BEACH CITY	TRINITY	CHAMBERS	08082200003608	0	42	52	61	69	74
CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	150	BEACH CITY	TRINITY-SAN JACINTO	CHAMBERS	08082200003609	0	238	298	353	414	478
CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	150	IRRIGATION	NECHES-TRINITY	CHAMBERS	08100403603607	0	0	0	0	0	0
CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	150	IRRIGATION	TRINITY	CHAMBERS	08100403603608	20,376	20,600	20,734	20,857	20,975	21,076
WWP Total						**20,376**	**22,291**	**22,712**	**23,092**	**23,486**	**23,880**
CHCRWA	999902	CHCRWA	SAN JACINTO	HARRIS	CHCRWA10110	0	1,771	2,414	2,431	2,431	2,431
WWP Total						**0**	**1,771**	**2,414**	**2,431**	**2,431**	**2,431**
CITY OF GALVESTON	316200	GALVESTON	SAN JACINTO-BRAZOS	GALVESTON	08022700008411	0	7,262	7,262	7,262	7,262	7,262
WWP Total						**0**	**7,262**	**7,262**	**7,262**	**7,262**	**7,262**
CITY OF HOUSTON	396200	BELLAIRE	SAN JACINTO	HARRIS	08004600010110	1,440	1,631	1,823	2,100	2,351	2,646
CITY OF HOUSTON	396200	BUNKER HILL VILLAGE	SAN JACINTO	HARRIS	08008500010110	478	469	460	455	448	448
CITY OF HOUSTON	396200	GALENA PARK	SAN JACINTO	HARRIS	08022600010110	22	25	33	40	71	115
CITY OF HOUSTON	396200	HEDWIG VILLAGE	SAN JACINTO	HARRIS	08026900010110	458	459	461	467	465	471
CITY OF HOUSTON	396200	HOUSTON	SAN JACINTO	FORT BEND	08028500007910	0	0	0	0	0	0
CITY OF HOUSTON	396200	HOUSTON	SAN JACINTO	HARRIS	08028500010110	0	0	0	0	0	12,101
CITY OF HOUSTON	396200	HOUSTON	SAN JACINTO-BRAZOS	HARRIS	08028500010111	0	0	0	0	0	319
CITY OF HOUSTON	396200	HOUSTON	SAN JACINTO	MONTGOMERY	08028500017010	0	62	173	305	481	689
CITY OF HOUSTON	396200	HUMBLE	SAN JACINTO	HARRIS	08028900010110	820	2,538	3,234	3,646	4,001	4,415
CITY OF HOUSTON	396200	HUNTERS CREEK VILLAGE	SAN JACINTO	HARRIS	08029000010110	955	1,034	1,111	1,218	1,312	1,426
CITY OF HOUSTON	396200	JACINTO CITY	SAN JACINTO	HARRIS	08030100010110	0	0	0	0	27	108
CITY OF HOUSTON	396200	PEARLAND	SAN JACINTO-BRAZOS	BRAZORIA	08045700002011	0	0	201	294	325	0
CITY OF HOUSTON	396200	PEARLAND	SAN JACINTO-BRAZOS	HARRIS	08045700010111	0	0	0	0	4	0
CITY OF HOUSTON	396200	PINEY POINT VILLAGE	SAN JACINTO	HARRIS	08046800010110	697	731	763	810	850	902
CITY OF HOUSTON	396200	SOUTHSIDE PLACE	SAN JACINTO	HARRIS	08057200010110	0	3	23	45	72	100

Region H
Table 4A-8: WUG-Level Contracts

WWP	WWP ID	WUG	WUG Basin	WUG County	WUG ID	2010	2020	2030	2040	2050	2060
CITY OF HOUSTON	396200	SPRING VALLEY	SAN JACINTO	HARRIS	08057500010110	213	585	699	732	759	797
CITY OF HOUSTON	396200	WALLER	SAN JACINTO	HARRIS	08062900010110	0	0	0	0	0	203
CITY OF HOUSTON	396200	WEST UNIVERSITY PL.	SAN JACINTO	HARRIS	08064300010110	231	359	499	648	819	1,015
CITY OF HOUSTON	396200	COUNTY-OTHER	SAN JACINTO	HARRIS	08075710110110	0	0	0	11,553	36,537	48,315
CITY OF HOUSTON	396200	COUNTY-OTHER	SAN JACINTO-BRAZOS	HARRIS	08075710110111	203	0	64	47	47	47
CITY OF HOUSTON	396200	MANUFACTURING	SAN JACINTO	HARRIS	08100110110110	0	0	0	0	0	0
CITY OF HOUSTON	396200	MANUFACTURING	SAN JACINTO-BRAZOS	HARRIS	08100110110111	4,487	8,862	12,609	25,460	26,655	25,261
CITY OF HOUSTON	396200	STEAM ELECTRIC POWER	SAN JACINTO	HARRIS	08100210110110	0	5,957	9,395	18,448	22,936	26,650
CITY OF HOUSTON	396200	STEAM ELECTRIC POWER	SAN JACINTO-BRAZOS	HARRIS	08100210110111	400	1,239	1,449	2,787	2,964	2,812
CITY OF HOUSTON	396200	MINING	SAN JACINTO	HARRIS	08100310110110	140	274	358	455	546	629
CITY OF HOUSTON	396200	MINING	SAN JACINTO-BRAZOS	HARRIS	08100310110111	3	5	7	9	10	12
CITY OF HOUSTON	396200	IRRIGATION	TRINITY	LIBERTY	08100414614608	0	0	0	0	0	0
CITY OF HOUSTON	396200	IRRIGATION	TRINITY-SAN JACINTO	LIBERTY	08100414614609	6,657	6,697	6,732	6,767	6,805	5,742
CITY OF HOUSTON	396200	HILSHIRE VILLAGE	SAN JACINTO	HARRIS	08102500010110	0	5	21	19	19	19
CITY OF HOUSTON	396200	BLUE BELL MANOR UTILITY COMPAN	SAN JACINTO	HARRIS	08402600010110	140	363	413	407	402	402
CITY OF HOUSTON	396200	BRITMOORE UTILITIES	SAN JACINTO	HARRIS	08403600010110	115	354	466	546	615	691
CITY OF HOUSTON	396200	CANDLELIGHT HILLS SUBDIVISION	SAN JACINTO	HARRIS	08404300010110	110	342	454	536	605	684
CITY OF HOUSTON	396200	CHIMNEY HILL MUD	SAN JACINTO	HARRIS	08405300010110	0	0	37	31	120	118
CITY OF HOUSTON	396200	CONSUMERS WATER INC	SAN JACINTO	HARRIS	08407200010110	96	336	483	596	713	834
CITY OF HOUSTON	396200	CRYSTAL SPRNGS WATER COMPAN	SAN JACINTO	HARRIS	08408100010110	5	17	24	30	35	41
CITY OF HOUSTON	396200	EL DORADO UD	SAN JACINTO	HARRIS	08410100010110	130	325	403	440	481	526
CITY OF HOUSTON	396200	FOUNTAINVIEW SUBDIVISION	SAN JACINTO	HARRIS	08413200010110	83	250	326	372	414	465
CITY OF HOUSTON	396200	GREEN TRAILS MUD	SAN JACINTO	HARRIS	08414300010110	224	668	862	973	1,087	1,204
CITY OF HOUSTON	396200	HARRIS COUNTY MUD #11	SAN JACINTO	HARRIS	08415300010110	102	303	389	437	487	543
CITY OF HOUSTON	396200	HARRIS COUNTY MUD #119 INWOOD	SAN JACINTO	HARRIS	08415400010110	211	588	665	652	644	644
CITY OF HOUSTON	396200	HARRIS COUNTY MUD #153	SAN JACINTO	HARRIS	08416100010110	295	1,069	1,559	1,961	2,373	2,782
CITY OF HOUSTON	396200	HARRIS COUNTY MUD #154	SAN JACINTO	HARRIS	08416200010110	163	532	721	860	995	1,141
CITY OF HOUSTON	396200	HARRIS COUNTY MUD #158	SAN JACINTO	HARRIS	08416500010110	0	0	25	20	19	18
CITY OF HOUSTON	396200	HARRIS COUNTY MUD #189	SAN JACINTO	HARRIS	08417400010110	193	621	838	995	1,148	1,311
CITY OF HOUSTON	396200	HARRIS COUNTY MUD #261	SAN JACINTO	HARRIS	08417900010110	140	495	581	585	579	579
CITY OF HOUSTON	396200	HARRIS COUNTY MUD #345	SAN JACINTO	HARRIS	08418200010110	341	898	1,038	1,045	1,035	1,035
CITY OF HOUSTON	396200	HARRIS COUNTY MUD #5	SAN JACINTO	HARRIS	08418400010110	157	411	465	459	448	448
CITY OF HOUSTON	396200	HARRIS COUNTY MUD #8	SAN JACINTO	HARRIS	08418900010110	96	140	179	234	292	359
CITY OF HOUSTON	396200	HARRIS COUNTY UD #14	SAN JACINTO	HARRIS	08419000010110	143	409	511	559	609	661
CITY OF HOUSTON	396200	HARRIS COUNTY UD #15	SAN JACINTO	HARRIS	08419100010110	104	312	403	455	509	568
CITY OF HOUSTON	396200	HARRIS COUNTY WCID #133	SAN JACINTO	HARRIS	08419500010110	181	480	553	546	550	550
CITY OF HOUSTON	396200	HARRIS COUNTY WCID #76	SAN JACINTO	HARRIS	08419900010110	73	187	211	209	204	204
CITY OF HOUSTON	396200	LONGHORN TOWN UD	SAN JACINTO	HARRIS	08423500010110	167	574	857	1,105	1,351	1,597
CITY OF HOUSTON	396200	MASON CREEK UD	SAN JACINTO	HARRIS	08424700010110	566	1,487	1,696	1,682	1,674	1,674
CITY OF HOUSTON	396200	NORTH BELT UD	SAN JACINTO	HARRIS	08427500010110	112	384	541	666	796	926
CITY OF HOUSTON	396200	NORTH GREEN MUD	SAN JACINTO	HARRIS	08427900010110	84	242	300	321	345	372
CITY OF HOUSTON	396200	NORTHWEST PARK MUD	SAN JACINTO	HARRIS	08428700010110	662	2,179	2,525	2,474	2,450	2,450
CITY OF HOUSTON	396200	PARKWAY UD	SAN JACINTO	HARRIS	08429800010110	225	221	214	210	205	207
CITY OF HOUSTON	396200	SOUTHWEST UTILITIES	SAN JACINTO	HARRIS	08434300010110	171	509	653	736	811	903
CITY OF HOUSTON	396200	SUNBELT FWSD	SAN JACINTO	HARRIS	08435000010110	576	2,842	3,877	4,571	5,251	5,967
CITY OF HOUSTON	396200	WEST HARRIS COUNTY MUD #6	SAN JACINTO	HARRIS	08438700010110	135	360	416	406	401	401
CITY OF HOUSTON	396200	WILLOW RUN SUBDIVISION	SAN JACINTO	HARRIS	08439800010110	159	417	474	470	459	459
CITY OF HOUSTON	396200	WINDFERN FOREST UD	SAN JACINTO	HARRIS	08440100010110	126	591	681	680	673	673
CITY OF HOUSTON	396200	WOODCREEK MUD	SAN JACINTO	HARRIS	08440400010110	150	521	739	913	1,092	1,271
CITY OF HOUSTON	396200	ROLLING FORK PUD	SAN JACINTO	HARRIS	08441100010110	173	470	560	589	610	641
WWP Total						**23,612**	**50,832**	**65,254**	**104,076**	**138,986**	**168,591**
CITY OF PASADENA	651900	PASADENA	SAN JACINTO-BRAZOS	HARRIS	08045600010111	0	40	77	77	77	77
CITY OF PASADENA	651900	EL LAGO	SAN JACINTO-BRAZOS	HARRIS	08069500010111	248	270	283	294	298	309
CITY OF PASADENA	651900	HARRIS COUNTY WCID #50	SAN JACINTO	HARRIS	08419800010110	508	557	600	659	709	772
CITY OF PASADENA	651900	SEABROOK	SAN JACINTO-BRAZOS	HARRIS	08054500010111	1,109	1,451	1,782	2,200	2,572	2,987
WWP Total						**1,865**	**2,318**	**2,742**	**3,230**	**3,656**	**4,145**
FORT BEND CO. WCID 1	380	MANUFACTURING	SAN JACINTO-BRAZOS	FORT BEND	08100107907911	0	148	824	940	1,016	1,016
WWP Total						**0**	**148**	**824**	**940**	**1,016**	**1,016**
FORT BEND COUNTY WCID #2	821000	MEADOWS	SAN JACINTO	FORT BEND	08079200007910	0	447	993	993	993	993
FORT BEND COUNTY WCID #2	821000	MEADOWS	SAN JACINTO-BRAZOS	FORT BEND	08079200007911	0	44	99	99	99	99
WWP Total						**0**	**491**	**1,092**	**1,092**	**1,092**	**1,092**
GALVESTON COUNTY WCID #1	316325	DICKINSON	SAN JACINTO-BRAZOS	GALVESTON	08016500008411	0	799	959	990	1,025	1,064
WWP Total						**0**	**799**	**959**	**990**	**1,025**	**1,064**
GULF COAST WATER AUTHORITY	325	ALVIN	SAN JACINTO-BRAZOS	BRAZORIA	08001300002011	0	0	140	292	535	824
GULF COAST WATER AUTHORITY	325	HITCHCOCK	SAN JACINTO-BRAZOS	GALVESTON	8.0279E+12	0	983	973	959	941	919
GULF COAST WATER AUTHORITY	325	KEMAH	SAN JACINTO-BRAZOS	GALVESTON	08031600008411	0	322	352	359	362	367
GULF COAST WATER AUTHORITY	325	LA MARQUE	SAN JACINTO-BRAZOS	GALVESTON	08034200008411	0	1,342	1,326	1,302	1,272	1,235
GULF COAST WATER AUTHORITY	325	LEAGUE CITY	SAN JACINTO-BRAZOS	GALVESTON	08035000008411	0	6,375	6,838	6,884	6,933	6,987
GULF COAST WATER AUTHORITY	325	LEAGUE CITY	SAN JACINTO-BRAZOS	HARRIS	08035000010111	0	15	15	15	16	16
GULF COAST WATER AUTHORITY	325	PEARLAND	SAN JACINTO-BRAZOS	BRAZORIA	08045700002011	0	6,342	7,037	9,072	11,764	15,253
GULF COAST WATER AUTHORITY	325	PEARLAND	SAN JACINTO-BRAZOS	HARRIS	08045700010111	0	0	0	0	47	130
GULF COAST WATER AUTHORITY	325	TEXAS CITY	SAN JACINTO-BRAZOS	GALVESTON	08060200008411	0	19,343	19,233	19,066	18,858	18,606
GULF COAST WATER AUTHORITY	325	MANVEL	SAN JACINTO-BRAZOS	BRAZORIA	08072100002011	0	70	62	63	67	71

Region H
Table 4A-8: WUG-Level Contracts

WWP	WWP ID	WUG	WUG Basin	WUG County	WUG ID	2010	2020	2030	2040	2050	2060
GULF COAST WATER AUTHORITY	325	COUNTY-OTHER	SAN JACINTO-BRAZOS	FORT BEND	08075707907911	0	0	0	1,950	1,950	1,950
GULF COAST WATER AUTHORITY	325	COUNTY-OTHER	SAN JACINTO-BRAZOS	GALVESTON	08075708408411	0	3,887	3,872	3,850	3,823	3,789
GULF COAST WATER AUTHORITY	325	CLEAR LAKE SHORES	SAN JACINTO-BRAZOS	GALVESTON	08076400008411	0	188	190	188	186	183
GULF COAST WATER AUTHORITY	325	TIKI ISLAND	SAN JACINTO-BRAZOS	GALVESTON	08097300008411	0	1,067	1,062	1,054	1,044	1,033
GULF COAST WATER AUTHORITY	325	MANUFACTURING	SAN JACINTO-BRAZOS	GALVESTON	08100108408411	0	28,631	28,291	27,776	27,129	26,352
GULF COAST WATER AUTHORITY	325	MANUFACTURING	SAN JACINTO-BRAZOS	BRAZORIA	08100102002011	0	0	1,580	1,580	1,580	1,580
GULF COAST WATER AUTHORITY	325	MANUFACTURING	BRAZOS	BRAZORIA	08100102002012	13,694	13,694	51,614	51,614	51,614	51,614
GULF COAST WATER AUTHORITY	325	STEAM ELECTRIC POWER	SAN JACINTO-BRAZOS	GALVESTON	08100208408411	0	2,893	3,738	4,869	6,231	7,864
GULF COAST WATER AUTHORITY	325	MINING	SAN JACINTO-BRAZOS	FORT BEND	08100307907911	0	86	703	717	729	739
GULF COAST WATER AUTHORITY	325	MINING	SAN JACINTO-BRAZOS	GALVESTON	08100308408411	0	21	24	28	31	34
GULF COAST WATER AUTHORITY	325	IRRIGATION	SAN JACINTO-BRAZOS	BRAZORIA	08100402002011	82,741	71,681	62,691	62,777	62,970	64,614
GULF COAST WATER AUTHORITY	325	IRRIGATION	BRAZOS	BRAZORIA	08100402002012	1,754	1,384	1,243	1,157	1,157	1,157
GULF COAST WATER AUTHORITY	325	IRRIGATION	SAN JACINTO-BRAZOS	GALVESTON	08100408408411	6,788	6,788	6,788	6,788	6,788	6,788
GULF COAST WATER AUTHORITY	325	BACLIFF MUD	SAN JACINTO-BRAZOS	GALVESTON	08401200008411	0	1,468	1,458	1,443	1,424	1,402
GULF COAST WATER AUTHORITY	325	BAYOU VISTA	SAN JACINTO-BRAZOS	GALVESTON	08075900008411	0	217	215	211	206	200
GULF COAST WATER AUTHORITY	325	GALVESTON COUNTY WCID #12	SAN JACINTO-BRAZOS	GALVESTON	08413600008411	0	3,579	3,563	3,540	3,511	3,476
GULF COAST WATER AUTHORITY	325	SANTA FE	SAN JACINTO-BRAZOS	GALVESTON	08074300008411	0	483	477	469	458	445
GULF COAST WATER AUTHORITY	325	SAN LEON MUD	SAN JACINTO-BRAZOS	GALVESTON	08432900008411	0	2,649	2,632	2,607	2,576	2,538
WWP Total						**104,977**	**173,508**	**206,117**	**210,630**	**214,202**	**220,166**
LOWER NECHES VALLEY AUTHORITY	140	MINING	NECHES-TRINITY	GALVESTON	08100308408407	16	23	26	29	33	37
WWP Total						**16**	**23**	**26**	**29**	**33**	**37**
MISSOURI CITY	999903	MISSOURI CITY	SAN JACINTO	FORT BEND	08040900007910	0	715	1,195	1,794	1,794	2,517
MISSOURI CITY	999903	MISSOURI CITY	SAN JACINTO-BRAZOS	FORT BEND	08040900007911	0	2,595	5,342	8,051	7,983	11,503
MISSOURI CITY	999903	MISSOURI CITY	BRAZOS	FORT BEND	08040900007912	0	508	665	822	890	905
MISSOURI CITY	999903	MISSOURI CITY	SAN JACINTO	HARRIS	08040900010110	0	386	454	707	707	862
MISSOURI CITY	999903	COUNTY-OTHER	SAN JACINTO-BRAZOS	FORT BEND	08075707907911	0	26	85	594	778	829
MISSOURI CITY	999903	COUNTY-OTHER	BRAZOS	FORT BEND	08075707907912	0	172	859	929	946	959
MISSOURI CITY	999903	FIRST COLONY MUD #9	BRAZOS	FORT BEND	08411300007912	0	342	793	831	879	926
MISSOURI CITY	999903	FORT BEND COUNTY MUD #23	SAN JACINTO-BRAZOS	FORT BEND	08412100007911	0	464	1,069	1,069	1,070	1,070
MISSOURI CITY	999903	SIENNA PLANTATION MUD #2	SAN JACINTO-BRAZOS	FORT BEND	08433400007911	0	292	655	651	651	651
WWP Total						**0**	**5,500**	**11,117**	**15,448**	**15,698**	**20,222**
NFBWA	999901	FULSHEAR	SAN JACINTO-BRAZOS	FORT BEND	08086900007911	0	0	0	0	45	112
NFBWA	999901	FULSHEAR	BRAZOS	FORT BEND	08086900007912	0	0	0	0	76	178
NFBWA	999901	ARCOLA	SAN JACINTO-BRAZOS	FORT BEND	08099800007911	0	106	258	295	345	397
NFBWA	999901	NFBWA	SAN JACINTO	FORT BEND	NFBWA07910	0	0	7,700	11,775	13,327	13,887
NFBWA	999901	NFBWA	SAN JACINTO-BRAZOS	FORT BEND	NFBWA07911	0	6,334	12,704	22,026	29,994	37,709
NFBWA	999901	NFBWA	BRAZOS	FORT BEND	NFBWA07912	0	150	892	1,905	3,313	5,103
NFBWA	999901	NFBWA	SAN JACINTO	HARRIS	NFBWA10110	0	444	732	865	926	939
WWP Total						**0**	**7,034**	**22,286**	**36,866**	**48,026**	**58,325**
NHCRWA	999904	TOMBALL	SAN JACINTO	HARRIS	08060800010110	620	2,102	2,830	3,760	4,441	5,442
NHCRWA	999904	JERSEY VILLAGE	SAN JACINTO	HARRIS	08070900010110	0	364	767	1,043	1,315	1,600
NHCRWA	999904	NORTHWEST HARRIS COUNTY MUD	SAN JACINTO	HARRIS	08428600010110	141	467	646	770	908	1,046
NHCRWA	999904	NHCRWA	SAN JACINTO	HARRIS	08800000010110	0	53,520	80,393	87,241	90,563	94,527
WWP Total						**761**	**56,453**	**84,636**	**92,814**	**97,227**	**102,615**
NORTH CHANNEL WATER AUTHORITY	607473	HARRIS COUNTY FWSD #47	SAN JACINTO	HARRIS	08414900010110	25	14	4	3	3	3
NORTH CHANNEL WATER AUTHORITY	607473	HARRIS COUNTY FWSD #51	SAN JACINTO	HARRIS	08415000010110	363	266	250	213	211	211
NORTH CHANNEL WATER AUTHORITY	607473	HARRIS COUNTY FWSD #6	SAN JACINTO	HARRIS	08415100010110	103	145	184	236	281	334
NORTH CHANNEL WATER AUTHORITY	607473	HARRIS COUNTY MUD #53	SAN JACINTO	HARRIS	08418600010110	587	920	1,231	1,652	2,029	2,454
NORTH CHANNEL WATER AUTHORITY	607473	HARRIS COUNTY WCID #21	SAN JACINTO	HARRIS	08419600010110	272	313	349	389	443	513
NORTH CHANNEL WATER AUTHORITY	607473	HARRIS COUNTY WCID #36	SAN JACINTO	HARRIS	08419700010110	190	268	338	438	540	660
NORTH CHANNEL WATER AUTHORITY	607473	HARRIS COUNTY WCID #84	SAN JACINTO	HARRIS	08420000010110	199	200	201	201	206	216
NORTH CHANNEL WATER AUTHORITY	607473	PINE TRAILS UTILITY	SAN JACINTO	HARRIS	08430200010110	215	266	312	379	444	521
WWP Total						**1,954**	**2,392**	**2,869**	**3,511**	**4,157**	**4,912**
NRG	398300	STEAM ELECTRIC POWER	BRAZOS	FORT BEND	08100207907912	0	0	0	0	0	8,500
WWP Total						**0**	**0**	**0**	**0**	**0**	**8,500**
RICHMOND-ROSENBERG	999905	RICHMOND	BRAZOS	FORT BEND	08050000007912	0	0	0	0	0	248
RICHMOND-ROSENBERG	999905	ROSENBERG	BRAZOS	FORT BEND	08051800007912	0	0	0	1,091	3,060	5,397
WWP Total						**0**	**0**	**0**	**1,091**	**3,060**	**5,645**
SAN JACINTO RIVER AUTHORITY	240	CONROE	SAN JACINTO	MONTGOMERY	08013000017010	0	5,256	8,550	8,377	14,027	20,630
SAN JACINTO RIVER AUTHORITY	240	WILLIS	SAN JACINTO	MONTGOMERY	08065500017010	0	236	380	377	635	941
SAN JACINTO RIVER AUTHORITY	240	OAK RIDGE NORTH	SAN JACINTO	MONTGOMERY	08072600017010	0	272	418	392	637	911
SAN JACINTO RIVER AUTHORITY	240	PANORAMA VILLAGE	SAN JACINTO	MONTGOMERY	08073200017010	0	251	334	277	384	475
SAN JACINTO RIVER AUTHORITY	240	PATTON VILLAGE	SAN JACINTO	MONTGOMERY	08073400017010	0	32	47	64	84	113
SAN JACINTO RIVER AUTHORITY	240	SHENANDOAH	SAN JACINTO	MONTGOMERY	08074500017010	0	737	1,098	1,002	1,570	2,200
SAN JACINTO RIVER AUTHORITY	240	COUNTY-OTHER	SAN JACINTO	HARRIS	08075710110110	0	0	5,299	19,014	16,041	17,533
SAN JACINTO RIVER AUTHORITY	240	COUNTY-OTHER	SAN JACINTO	MONTGOMERY	08075717017010	0	10,308	16,497	23,807	34,448	48,756
SAN JACINTO RIVER AUTHORITY	240	ROMAN FOREST	SAN JACINTO	MONTGOMERY	08080100017010	0	306	561	860	1,283	1,809
SAN JACINTO RIVER AUTHORITY	240	WOODBRANCH	SAN JACINTO	MONTGOMERY	08080700017010	0	74	107	138	177	225
SAN JACINTO RIVER AUTHORITY	240	CUT AND SHOOT	SAN JACINTO	MONTGOMERY	08085400017010	0	86	134	130	212	309
SAN JACINTO RIVER AUTHORITY	240	MAGNOLIA	SAN JACINTO	MONTGOMERY	08090700017010	0	221	380	561	812	1,118

Region H
Table 4A-8: WUG-Level Contracts

WWP	WWP ID	WUG	WUG Basin	WUG County	WUG ID	2010	2020	2030	2040	2050	2060
SAN JACINTO RIVER AUTHORITY	240	SPLENDORA	SAN JACINTO	MONTGOMERY	08096200017010	0	83	141	212	313	435
SAN JACINTO RIVER AUTHORITY	240	MANUFACTURING	TRINITY-SAN JACINTO	HARRIS	08100110110109	23,008	27,754	31,791	35,763	38,736	37,244
SAN JACINTO RIVER AUTHORITY	240	MANUFACTURING	SAN JACINTO	MONTGOMERY	08100117017010	0	988	1,384	1,756	2,129	2,504
SAN JACINTO RIVER AUTHORITY	240	STEAM ELECTRIC POWER	SAN JACINTO	MONTGOMERY	08100217017010	0	0	0	0	1,593	4,307
SAN JACINTO RIVER AUTHORITY	240	MINING	SAN JACINTO	MONTGOMERY	08100317017010	0	216	279	331	382	425
SAN JACINTO RIVER AUTHORITY	240	CONSUMERS WATER INC	SAN JACINTO	MONTGOMERY	08407200017010	0	89	143	204	291	395
SAN JACINTO RIVER AUTHORITY	240	CRYSTAL SPRNGS WATER COMPAN	SAN JACINTO	MONTGOMERY	08408100017010	0	257	439	663	982	1,371
SAN JACINTO RIVER AUTHORITY	240	EAST PLANTATION UD	SAN JACINTO	MONTGOMERY	08409800017010	0	203	344	354	613	923
SAN JACINTO RIVER AUTHORITY	240	H M W SUD	SAN JACINTO	MONTGOMERY	08414700017010	0	672	1,055	1,011	1,670	2,425
SAN JACINTO RIVER AUTHORITY	240	HARRIS COUNTY MUD #50	SAN JACINTO	HARRIS	08418500010110	0	0	0	0	28	72
SAN JACINTO RIVER AUTHORITY	240	MONTGOMERY COUNTY MUD #18	SAN JACINTO	MONTGOMERY	08426100017010	0	865	1,655	1,788	3,251	5,046
SAN JACINTO RIVER AUTHORITY	240	MONTGOMERY COUNTY MUD #19	SAN JACINTO	MONTGOMERY	08426200017010	0	167	211	165	220	260
SAN JACINTO RIVER AUTHORITY	240	MONTGOMERY COUNTY MUD #8	SAN JACINTO	MONTGOMERY	08426300017010	0	399	624	720	861	964
SAN JACINTO RIVER AUTHORITY	240	MONTGOMERY COUNTY MUD #9	SAN JACINTO	MONTGOMERY	08426400017010	0	395	650	790	951	1,075
SAN JACINTO RIVER AUTHORITY	240	MONTGOMERY COUNTY UD #2	SAN JACINTO	MONTGOMERY	08426500017010	0	203	259	298	337	369
SAN JACINTO RIVER AUTHORITY	240	MONTGOMERY COUNTY UD #3	SAN JACINTO	MONTGOMERY	08426600017010	0	184	264	233	358	493
SAN JACINTO RIVER AUTHORITY	240	MONTGOMERY COUNTY UD #4	SAN JACINTO	MONTGOMERY	08426700017010	0	353	452	351	467	554
SAN JACINTO RIVER AUTHORITY	240	MONTGOMERY COUNTY WCID #1	SAN JACINTO	MONTGOMERY	08426800017010	0	189	272	358	470	600
SAN JACINTO RIVER AUTHORITY	240	NEW CANEY MUD	SAN JACINTO	MONTGOMERY	08427200017010	0	546	944	1,396	2,058	2,854
SAN JACINTO RIVER AUTHORITY	240	POINT AQUARIUS MUD	SAN JACINTO	MONTGOMERY	08430500017010	0	331	613	966	1,472	2,091
SAN JACINTO RIVER AUTHORITY	240	PORTER WSC	SAN JACINTO	MONTGOMERY	08430700017010	0	777	1,260	1,826	2,047	2,239
SAN JACINTO RIVER AUTHORITY	240	RAYFORD ROAD MUD	SAN JACINTO	MONTGOMERY	08431200017010	0	826	1,050	831	1,110	1,316
SAN JACINTO RIVER AUTHORITY	240	RIVER PLANTATION MUD	SAN JACINTO	MONTGOMERY	08432200017010	0	0	0	76	272	398
SAN JACINTO RIVER AUTHORITY	240	SOUTHERN MONTGOMERY COUNTY	SAN JACINTO	MONTGOMERY	08433900017010	0	866	1,118	911	1,231	1,493
SAN JACINTO RIVER AUTHORITY	240	SOUTHWEST UTILITIES	SAN JACINTO	MONTGOMERY	08434300017010	0	102	166	237	336	457
SAN JACINTO RIVER AUTHORITY	240	SPRING CREEK UD	SAN JACINTO	MONTGOMERY	08434400017010	0	224	372	377	653	982
SAN JACINTO RIVER AUTHORITY	240	STANLEY LAKE MUD	SAN JACINTO	MONTGOMERY	08434700017010	0	329	423	329	439	521
SAN JACINTO RIVER AUTHORITY	240	THE WOODLANDS	SAN JACINTO	MONTGOMERY	08800100017010	0	13,616	14,985	10,275	13,658	16,196
SAN JACINTO RIVER AUTHORITY	240	MONTGOMERY	SAN JACINTO	MONTGOMERY	MONTGOMERY170	0	374	710	1,087	1,199	1,701
SAN JACINTO RIVER AUTHORITY	240	STAGECOACH	SAN JACINTO	MONTGOMERY	STAGECOACH1701	0	39	68	107	165	249
WWP Total						**23,008**	**68,826**	**95,477**	**118,414**	**148,602**	**184,979**
SUGAR LAND	999906	SUGAR LAND	SAN JACINTO	FORT BEND	08058500007910	0	0	35	35	35	35
SUGAR LAND	999906	SUGAR LAND	SAN JACINTO-BRAZOS	FORT BEND	08058500007911	0	0	440	404	404	1,304
SUGAR LAND	999906	SUGAR LAND	BRAZOS	FORT BEND	08058500007912	0	155	3,496	3,267	3,508	3,719
SUGAR LAND	999906	COUNTY-OTHER	SAN JACINTO-BRAZOS	FORT BEND	08075707907911	0	29	60	536	814	814
SUGAR LAND	999906	COUNTY-OTHER	BRAZOS	FORT BEND	08075707907912	0	102	919	1,293	1,291	1,183
SUGAR LAND	999906	FORT BEND COUNTY MUD #106	BRAZOS	FORT BEND	08411700007912	0	235	523	521	521	521
SUGAR LAND	999906	FORT BEND COUNTY MUD #108	BRAZOS	FORT BEND	08411800007912	0	141	312	312	312	312
SUGAR LAND	999906	FORT BEND COUNTY MUD #111	BRAZOS	FORT BEND	08411900007912	0	250	524	519	468	446
SUGAR LAND	999906	FORT BEND COUNTY MUD #67	BRAZOS	FORT BEND	08412600007912	0	266	556	549	495	472
SUGAR LAND	999906	FORT BEND COUNTY MUD #68	BRAZOS	FORT BEND	08412700007912	0	194	398	404	364	347
SUGAR LAND	999906	FORT BEND COUNTY MUD #69	BRAZOS	FORT BEND	08412800007912	0	157	311	323	292	278
SUGAR LAND	999906	PLANTATION MUD	SAN JACINTO-BRAZOS	FORT BEND	08430300007911	0	133	294	288	286	286
WWP Total						**0**	**1,662**	**7,868**	**8,451**	**8,790**	**9,717**
THE DOW CHEMICAL CO.	237200	MANUFACTURING	SAN JACINTO-BRAZOS	BRAZORIA	08100102002011	0	2,752	2,752	2,752	2,752	2,752
THE DOW CHEMICAL CO.	237200	MANUFACTURING	BRAZOS	BRAZORIA	08100102002012	0	19,048	19,048	19,048	19,048	19,048
WWP Total						**0**	**21,800**	**21,800**	**21,800**	**21,800**	**21,800**
TRINITY RIVER AUTHORITY	187	IRRIGATION	NECHES-TRINITY	LIBERTY	08100414614607	0	0	0	0	0	0
TRINITY RIVER AUTHORITY	187	IRRIGATION	TRINITY-SAN JACINTO	LIBERTY	08100414614609	0	0	0	0	0	1,091
TRINITY RIVER AUTHORITY	187	MANUFACTURING	TRINITY-SAN JACINTO	CHAMBERS	08100103603609	8,264	9,230	10,252	11,284	12,240	13,445
TRINITY RIVER AUTHORITY	187	MINING	TRINITY	CHAMBERS	08100303603608	4,344	6,494	7,816	9,116	10,411	11,550
TRINITY RIVER AUTHORITY	187	MINING	TRINITY-SAN JACINTO	CHAMBERS	08100303603609	1,215	1,359	1,904	2,488	3,081	3,677
WWP Total						**13,823**	**17,083**	**19,972**	**22,888**	**25,732**	**29,763**
WHCRWA	999907	KATY	SAN JACINTO	FORT BEND	08031200007910	68	238	356	462	601	764
WHCRWA	999907	KATY	SAN JACINTO	HARRIS	08031200010110	756	2,462	3,347	3,989	4,619	5,276
WHCRWA	999907	KATY	SAN JACINTO	WALLER	08031200023710	65	258	409	566	751	968
WHCRWA	999907	HARRIS COUNTY MUD #132	SAN JACINTO	HARRIS	08415700010110	421	1,393	1,909	2,292	2,667	3,058
WHCRWA	999907	HARRIS COUNTY MUD #151	SAN JACINTO	HARRIS	08415900010110	306	811	932	925	925	925
WHCRWA	999907	HARRIS COUNTY MUD #152	SAN JACINTO	HARRIS	08416000010110	189	650	909	1,112	1,324	1,536
WHCRWA	999907	HARRIS COUNTY MUD #180	SAN JACINTO	HARRIS	08417000010110	148	475	640	758	874	998
WHCRWA	999907	HARRIS COUNTY MUD #46	SAN JACINTO	HARRIS	08418300010110	201	526	598	593	593	593
WHCRWA	999907	TRAIL OF THE LAKES MUD	SAN JACINTO	HARRIS	08435500010110	334	876	1,005	986	986	986
WHCRWA	999907	WHCRWA	SAN JACINTO	FORT BEND	08800200007910	0	0	1,445	2,010	2,490	2,983
WHCRWA	999907	WHCRWA	SAN JACINTO	HARRIS	08800200010110	0	24,167	35,508	40,356	41,271	42,001
WWP Total						**2,488**	**31,856**	**47,058**	**54,049**	**57,101**	**60,088**

Notes:
Table includes summation of all WMS supplies provided by a WWP to a WUG. In cases where a WUG is also a WWP, supply volumes for the WWP and WUG are still listed in the contracts table for consistency

Attachment I:

Amended Technical Memorandum 4B-07: WWP Contracts

REGION H WATER MANAGEMENT STRATEGY ANALYSIS TECHNICAL MEMORANDUM

STRATEGY TITLE: WWP Contracts

DATE: November 14, 2009 (rev. October 2014)

SUMMARY

STRATEGY DESCRIPTION: Contractual agreements for water between WWPs. Water for contracts would come from multiple sources, including other water management strategies (WMS).

SUPPLY QUANTITY: Varies

SUPPLY SOURCE: Varies

IMPLEMENTATION DECADE: Varies

TOTAL STRATEGY COST: Varies by conveyance

UNIT WATER COST: NA – based on contractual agreement

Water Management Strategy Analysis Description

Introduction:

Previous RWPs have reflected major WMS largely at the end-user (WUG) level. However, water reaching the WUG level from major management strategies may involve the facilities and services of one or more wholesale water providers (WWPs). A series of contractual agreements is necessary for water from WMSs to move from the sourer location to ultimate user. For example, the TRA to Houston Transfer strategy may involve the contractual transfer of water from TRA to the City of Houston, from the City of Houston to a smaller WWP, and finally from the smaller WWP to the WUG. Thus, WWP contracts necessary to facilitate other WMS are included as a management strategy with no yield of its own. Note that WWP and WUGs are not obligated by the RWP to increase existing contracts or enter into new contracts. Any additional contract amounts will require negotiation between the WWPs.

Analysis:

Contracts between WWPs required to facilitate other WMS are shown in Table 1 below. Note that this list does not include contracts from WWPs directly to WUGs.

Table 1
WWP Contracts (ac-ft/yr)

Contracts by WWP and Supply Source	2010	2020	2030	2040	2050	2060
BRA to Brazosport Water Authority						
ALLENS CREEK	0	116	124	1,557	3,183	5,435
TOTAL	0	116	124	1,557	3,183	5,435

Contracts by WWP and Supply Source	2010	2020	2030	2040	2050	2060
BRA to GCWA						
ALLENS CREEK	0	12,165	27,627	31,782	37,777	42,624
BRA SYSTEM OPERATIONS PERMIT	0	1,290	8,057	14,099	14,099	14,099
FORT BEND OCR	0	0	0	0	0	4,517
BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM[1]	0	4,324	4,324	4,324	4,324	4,324
TOTAL	0	17,779	40,008	50,205	56,200	65,564
BRA to NRG						
FORT BEND OCR	0	0	0	0	0	8,500
TOTAL	0	0	0	0	0	8,500
BRA to Richmond-Rosenberg						
ALLENS CREEK	0	0	0	1,091	2,970	1,848
FORT BEND OCR	0	0	0	0	90	3,797
TOTAL	0	0	0	1,091	3,060	5,645
BRA to Sugar Land						
BRA SYSTEM OPERATIONS PERMIT	0	1,027	2,947	3,385	3,385	3,385
ALLENS CREEK	0	0	0	231	490	449
FORT BEND OCR	0	0	0	0	0	922
TOTAL	0	1,027	2,947	3,616	3,875	4,756
COH to Baytown Area Water Authority						
LIVINGSTON-WALLISVILLE SYSTEM	0	26	262	398	535	692
TOTAL	0	26	262	398	535	692
COH to BRA						
ALLENS CREEK	0	27,498	25,201	57,886	69,755	69,755
TOTAL	0	27,498	25,201	57,886	69,755	69,755
COH to CHCRWA						
HOUSTON LAKE/RESERVOIR	0	977	862	720	631	546
LIVINGSTON-WALLISVILLE SYSTEM	0	794	1,552	1,711	1,800	1,885
TOTAL	0	1,771	2,414	2,431	2,431	2,431
COH to GCWA						
INDIRECT REUSE HARRIS COUNTY	0	56,896	56,896	56,896	56,896	56,896
TOTAL	0	56,896	56,896	56,896	56,896	56,896
COH to City of Pasadena						
LIVINGSTON-WALLISVILLE SYSTEM	1,865	2,278	2,665	3,153	3,579	4,068
TOTAL	1,865	2,278	2,665	3,153	3,579	4,068

Contracts by WWP and Supply Source	2010	2020	2030	2040	2050	2060
COH to North Channel Water Authority						
LIVINGSTON-WALLISVILLE SYSTEM	1,954	2,392	2,869	3,511	4,157	4,912
TOTAL	1,954	2,392	2,869	3,511	4,157	4,912
COH to NFBWA						
LIVINGSTON-WALLISVILLE SYSTEM	0	444	17,971	31,161	41,172	50,442
TOTAL	0	444	17,971	31,161	41,172	50,442
COH to NHCRWA						
HOUSTON LAKE/RESERVOIR	0	30,880	30,880	32,734	29,030	25,398
HOUSTON INDIRECT REUSE	0	0	0	18,130	31,629	0
LIVINGSTON-WALLISVILLE SYSTEM	0	25,573	52,161	32,177	17,382	57,643
TOTAL	0	56,453	83,041	83,041	78,041	83,041
COH to SJRA						
CONROE LAKE/RESERVOIR	0	36,377	55,538	54,582	53,581	52,534
TOTAL	0	36,377	55,538	54,582	53,581	52,534
COH to WHCRWA						
LIVINGSTON-WALLISVILLE SYSTEM	1,241	31,837	46,324	52,759	55,549	58,402
TOTAL	1,241	31,837	46,324	52,759	55,549	58,402
GCWA to City of Galveston						
SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	0	677	677	677	677	677
BRAZOS RIVER RUN-OF-RIVER	0	5,360	5,360	5,360	5,360	5,360
BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	0	1,225	1,225	1,225	1,225	1,225
TOTAL	0	7,262	7,262	7,262	7,262	7,262
GCWA to Fort Bend County WCID #2						
BRA SYSTEM OPERATIONS PERMIT	0	491	1,092	1,092	1,092	1,092
TOTAL	0	491	1,092	1,092	1,092	1,092
GCWA to Galveston County WCID #1						
SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	0	59	59	59	59	59
BRAZOS RIVER RUN-OF-RIVER	0	469	469	469	469	469
BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	0	107	107	107	107	107
ALLENS CREEK	0	131	274	305	340	379
FORT BEND OCR	0	0	0	0	0	0
TOTAL	0	766	909	940	975	1,014

Contracts by WWP and Supply Source	2010	2020	2030	2040	2050	2060
GCWA to Missouri City						
ALLENS CREEK	0	0	68	321	571	594
BRA SYSTEM OPERATIONS PERMIT	0	713	6,262	10,340	10,340	10,340
FORT BEND OCR	0	0	0	0	0	4,501
TOTAL	0	713	6,330	10,661	10,911	15,435
SJRA to COH						
HOUSTON LAKE/RESERVOIR	0	0	1,356	5,300	3,872	2,428
TOTAL	0	0	1,356	5,300	3,872	2,428
TRA to COH						
LIVINGSTON-WALLISVILLE SYSTEM	0	0	116,738	123,524	123,524	123,524
TOTAL	0	0	116,738	123,524	123,524	123,524
TRA to SJRA						
LIVINGSTON-WALLISVILLE SYSTEM	0	0	0	7,935	39,096	76,476
TOTAL	0	0	0	7,935	39,096	76,476

[1]Reflects water already contracted but unused prior to water treatment expansion

Water User Group Application:

Contracts facilitate transfer of water among WWPs for ultimate delivery to WUGs.

Issues and Considerations:

The proper functioning of other WMS is contingent on contracts between the proper WWPs.

Attachment J:

New Technical Memorandum: 4B-54: Gulf Coast Water Authority Reclaimed Water from City of Houston

REGION H WATER MANAGEMENT STRATEGY ANALYSIS TECHNICAL MEMORANDUM

STRATEGY TITLE: Gulf Coast Water Authority Reclaimed Water from City of Houston[1]

DATE: December 14, 2014

SUMMARY

STRATEGY DESCRIPTION: Transfer of reclaimed water from the City of Houston Southwest Wastewater Plant and other treatment facilities upstream along Brays Bayou.

SUPPLY QUANTITY:	Direct Intake: 30.1 MGD average Combined Intake: 50.8 MGD average
SUPPLY SOURCE:	Effluent from as many as five City of Houston wastewater treatment plants as listed below.
IMPLEMENTATION DECADE:	2020 (Online date in 2018)
TOTAL STRATEGY COST: (Costs rounded to nearest $100)	Direct Intake: $53,857,800 Combined Intake: $66,840,500
UNIT WATER COST:	Direct Intake: $112 per ac-ft Combined Intake: $80 per ac-ft

WATER MANAGEMENT STRATEGY ANALYSIS DESCRIPTION

INTRODUCTION

In 2004, the City of Houston (COH) applied for a water right permit to utilize the effluent from 32 wastewater treatment plants (WWTPs) in the greater-Houston area. This permit, number 5827, allows for the use of 580,923 ac-ft of water at various locations around Houston assuming several criteria are met:

- 50% of the permitted volume is to be dedicated to bay and estuary inflows and is to be retained in the channels for discharge to Galveston Bay,
- Permitted discharge and diversion rates at WWTP outfall locations and diversion points are maintained, and
- Instream flow targets are met for the diversion of any water from the bayous.

Of the potential diversion points associated with this permit, the Southwest WWTP (SWWWTP) provides a unique opportunity to provide supply outside of the immediate COH service area by way of a right-of-way owned by CenterPoint Energy that runs from the vicinity of the SWWWTP south to a point in the area of McHard Road and Farm to Market 521. This terminus is also near the GCWA American Canal which provides water to customers in Brazoria and Galveston Counties. Please see *Figure 1* for an overview of these locations.

The SWWWTP is identified in Permit 5827 as both a source of effluent and a diversion point for use of treated water discharged upstream and conveyed through the bed and banks of Brays Bayou. Four additional WWTPs (Beltway, Keegans Bayou, Upper Brays, and WCID 111 WWTPs) lie upstream of the SWWWTP and their effluent is made available at the SWWWTP through Permit 5827. For that reason and for the opportunity presented by the existing CenterPoint corridor, the SWWWTP presents a prime opportunity for water supply development for GCWA's long-term water needs.

[1] This memorandum was prepared using information from Long Range Water Supply Study prepared by Freese and Nichols, Inc.

ANALYSIS

The potential supply available from the SWWWTP is limited by a number of different factors including:

- Actual discharge from the SWWWTP,
- Discharge rate of upstream WWTPs as varying over the course of the planning horizon,
- Consideration for bay and estuary inflows as stipulated by WR 5827,
- The instantaneous diversion rate as specified by WR 5827 and infrastructure in place to capture flows,
- Instream flow requirements as specified by WR 5827, and
- Basin hydrology.

In order to evaluate these factors and their impacts on the options presented above, a model was developed based on existing data sources in order to predict availability over time. Plant discharge records from the SWWWTP were reviewed to determine the potential yield that could be diverted directly from the plant. This supply would be limited by the overall terms of the permit related to bay and estuary inflows but not the instream flow requirements associated with diversions form Brays Bayou.

Naturalized flows from the Texas Commission on Environmental Quality (TCEQ) San Jacinto Basin Water Availability Model (WAM) were extracted to provide a basis for natural stream flows on a monthly basis for a historic period from January 1940 through December 1996. These flows represent naturalized conditions without diversions and discharges made following development of the basin. Daily streamflow data was investigated as a basis with which to disaggregate these monthly flow values into daily flow records. The Southwest WWTP diversion point, was found to have nearby sources of daily streamflow records that provided an adequate data set for assessment.

Flows from WWTPs associated with WR 5827 were identified for the year 2010 using information from Environmental Protection Agency (EPA) Discharge Monitoring Report (DMR) data. These discharges were compared against the discharges permitted in WR 5827 to determine the remaining capacity remaining in each plant. The COH population for the decades from 2010 through 2070 were used to scale the total wastewater flow from these WWTPs over time and the total increase in flow was apportioned to the individual WWTPs based on their remaining capacity in 2010. In that way, plants with larger shares of the remaining WWTP capacity were assumed to bear more of the burden as wastewater flows increased over time. These discharges for plants upstream of a diversion point could be added to the naturalized flows identified above to represent actual flow in the channels.

Finally, diversions were assumed to be limited by a number of factors including the maximum diversion rate at the identified diversion point, a limit of 50 percent of the upstream diversions to protect bay and estuary inflows, and the instream flow limits associated with each diversion point. Diversions of effluent from upstream were limited in such a way that diversions could not cause the downstream instream flow targets to not be met on any given day.

Output from the model provided the potential yield that could be developed from two scenarios. One alternative diverted effluent directly from the SWWWTP and was not subject to instream flow requirements associated with the bed and banks transfer of Permit 5827. The other alternative utilized a combined intake configuration that would divert flow from Brays Bayou when those diversions were allowed under permit and revert to direct diversions from the SWWWTP when conditions prevented the use of this water. These options were identified as the Direct and Combined Intake Alternatives, respectively.

Proposed pump station and pipeline configurations were developed in order to provide for adequate capacity to convey flows from the SWWWTP to the GCWA canal system. To fulfill the Direct diversion scenario, a 35 million gallons per day (MGD) pump station was recommended along with approximately 52,000 feet (9.85 miles) miles of 42-inch pipeline to provide for delivery of an average 30.1 MGD to GCWA. The Combined alternative would be accomplished with a 60 MGD pump station conveying an average of 50.8 MGD through a 48-inch pipeline of the same length. Approximately 39,000 feet of this corridor would be developed through the identified CenterPoint corridor. As part of the preliminary

investigation for this strategy, coordination as performed with CenterPoint to determine the extent of design and construction consideration, development costs, and annual fees would be associated with such a project. These costs were then factored into annual operation and maintenance (O&M) costs for the project. Project costs for each option are shown below in *Tables 1* (Direct alternative) and *2* (Combined alternative).

Costs are also included for improvements to the Thomas Mackey Water Treatment Plant to add ultra-violet disinfection to the treatment process. This is provided based on preliminary conversations with TCEQ related to the use of reclaimed water in the GCWA canal system upstream of the plant.

WATER USER GROUP APPLICATION

GCWA serves several municipal, industrial and agricultural customers in Brazoria, Galveston, and Fort Bend Counties. Although supply improvements benefit the entire system, overall, this strategy may potentially provide supply directly to the following WUGs:

- Brazoria County Municipal
    - Pearland
- Galveston County Industrial
    - Industrial Pump Station Manufacturing customers
    - Direct canal Manufacturing customers
    - Steam Electric Power
- Galveston County Municipal (by way of Thomas Mackey Water Treatment Plant)
    - Bacliff MUD
    - Bayou Vista
    - Clear Lake Shores
    - Galveston County WCID #12
    - Hitchcock
    - Kemah
    - La Marque
    - League City
    - San Leon MUD
    - Santa Fe
    - Texas City
    - Tiki Island
    - Galveston County Other

Development of the project will require amendments to contracts with each municipal and industrial customer associated with the system. This may add an additional 12 to 24 months of time to project development in order to allow for this.

Table 1
Reclaimed Water from COH - Direct Alternative Cost Estimate

OPINION OF PROBABLE CONSTRUCTION COST					December 14, 2014
ITEM	**DESCRIPTION**	**QUANTITY**	**UNIT**	**UNIT PRICE**	**TOTAL**
PROJECT COST SUMMARY					
1	CONSTRUCTION (CAPITAL) COST	1	LS	$32,507,000	$32,507,000
2	ENGINEERING, FINANCIAL, AND LEGAL SERVICES AND CONTINGENCIES	1	LS	$10,251,350	$10,251,350
3	LAND AND EASEMENTS	1	LS	$4,715,000	$4,715,000
4	ENVIRONMENTAL - STUDIES AND MITIGATION	1	LS	$4,715,000	$4,715,000
5	INTEREST DURING CONSTRUCTION	1	LS	$1,669,474	$1,669,474
	PROJECT COST				**$53,857,824**

ITEM	DESCRIPTION	ANNUAL TOTAL					
ANNUAL COST SUMMARY		**2010**	**2020**	**2030**	**2040**	**2050**	**2060**
1	DEBT SERVICE	$0	$4,506,787	$4,506,787	$0	$0	$0
2	OPERATION AND MAINTENANCE (O&M)	$0	$1,460,920	$1,460,920	$1,460,920	$1,460,920	$1,460,920
3	PUMPING ENERGY COSTS	$0	$500,082	$500,082	$500,082	$500,082	$500,082
4	PURCHASE COST OF WATER	$0	$0	$0	$0	$0	$0
	TOTAL ANNUAL COST	**$0**	**$6,467,789**	**$6,467,789**	**$1,961,002**	**$1,961,002**	**$1,961,002**

ITEM	DESCRIPTION	ANNUAL TOTAL					
ANNUAL COST SUMMARY		**2010**	**2020**	**2030**	**2040**	**2050**	**2060**
1	ANNUAL COST	$0	$6,467,789	$6,467,789	$1,961,002	$1,961,002	$1,961,002
2	YIELD	-	33,712	33,712	33,712	33,712	33,712
3	UNIT COST	$0	$192	$192	$58	$58	$58
	TOTAL UNIT COST						**$112**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
CONSTRUCTION COST SUMMARY					
1	PUMP STATIONS	1	LS	$4,348,000	$4,348,000
2	PIPELINES	1	LS	$22,522,000	$22,522,000
3	WATER TREATMENT PLANTS	1	LS	$5,637,000	$5,637,000
	PROJECT COST				**$32,507,000**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
OPERATION AND MAINTENANCE (O&M) COST SUMMARY					
1	PUMP STATIONS	2.5	%	$4,348,000	$108,700
2	PIPELINES	1.0	%	$22,522,000	$225,220
3	WATER TREATMENT PLANTS	1.0	LS	$1,127,000	$1,127,000
	ANNUAL OPERATION AND MAINTENANCE COST				**$1,460,920**

Table 2
Reclaimed Water from COH - Combined Alternative Cost Estimate

OPINION OF PROBABLE CONSTRUCTION COST					December 14, 2014
ITEM	**DESCRIPTION**	**QUANTITY**	**UNIT**	**UNIT PRICE**	**TOTAL**
PROJECT COST SUMMARY					
1	CONSTRUCTION (CAPITAL) COST	1	LS	$41,193,000	$41,193,000
2	ENGINEERING, FINANCIAL, AND LEGAL SERVICES AND CONTINGENCIES	1	LS	$13,155,150	$13,155,150
3	LAND AND EASEMENTS	1	LS	$5,210,000	$5,210,000
4	ENVIRONMENTAL - STUDIES AND MITIGATION	1	LS	$5,210,000	$5,210,000
5	INTEREST DURING CONSTRUCTION	1	LS	$2,071,894	$2,071,894
	PROJECT COST				**$66,840,044**

ITEM	DESCRIPTION	ANNUAL TOTAL					
ANNUAL COST SUMMARY		**2010**	**2020**	**2030**	**2040**	**2050**	**2060**
1	DEBT SERVICE	$0	$5,593,130	$5,593,130	$0	$0	$0
2	OPERATION AND MAINTENANCE (O&M)	$0	$1,637,180	$1,637,180	$1,637,180	$1,637,180	$1,637,180
3	PUMPING ENERGY COSTS	$0	$681,871	$681,871	$681,871	$681,871	$681,871
4	PURCHASE COST OF WATER	$0	$0	$0	$0	$0	$0
	TOTAL ANNUAL COST	**$0**	**$7,912,181**	**$7,912,181**	**$2,319,051**	**$2,319,051**	**$2,319,051**

ITEM	DESCRIPTION	ANNUAL TOTAL					
ANNUAL COST SUMMARY		**2010**	**2020**	**2030**	**2040**	**2050**	**2060**
1	ANNUAL COST	$0	$7,912,181	$7,912,181	$2,319,051	$2,319,051	$2,319,051
2	YIELD	-	56,896	56,896	56,896	56,896	56,896
3	UNIT COST	$0	$139	$139	$41	$41	$41
	TOTAL UNIT COST						**$80**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
CONSTRUCTION COST SUMMARY					
1	PUMP STATIONS	1	LS	$10,308,000	$10,308,000
2	PIPELINES	1	LS	$25,248,000	$25,248,000
3	WATER TREATMENT PLANTS	1	LS	$5,637,000	$5,637,000
	PROJECT COST				**$41,193,000**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
OPERATION AND MAINTENANCE (O&M) COST SUMMARY					
1	PUMP STATIONS	2.5	%	$10,308,000	$257,700
2	PIPELINES	1.0	%	$25,248,000	$252,480
3	WATER TREATMENT PLANTS	1.0	LS	$1,127,000	$1,127,000
	ANNUAL OPERATION AND MAINTENANCE COST				**$1,637,180**

ISSUES AND CONSIDERATIONS

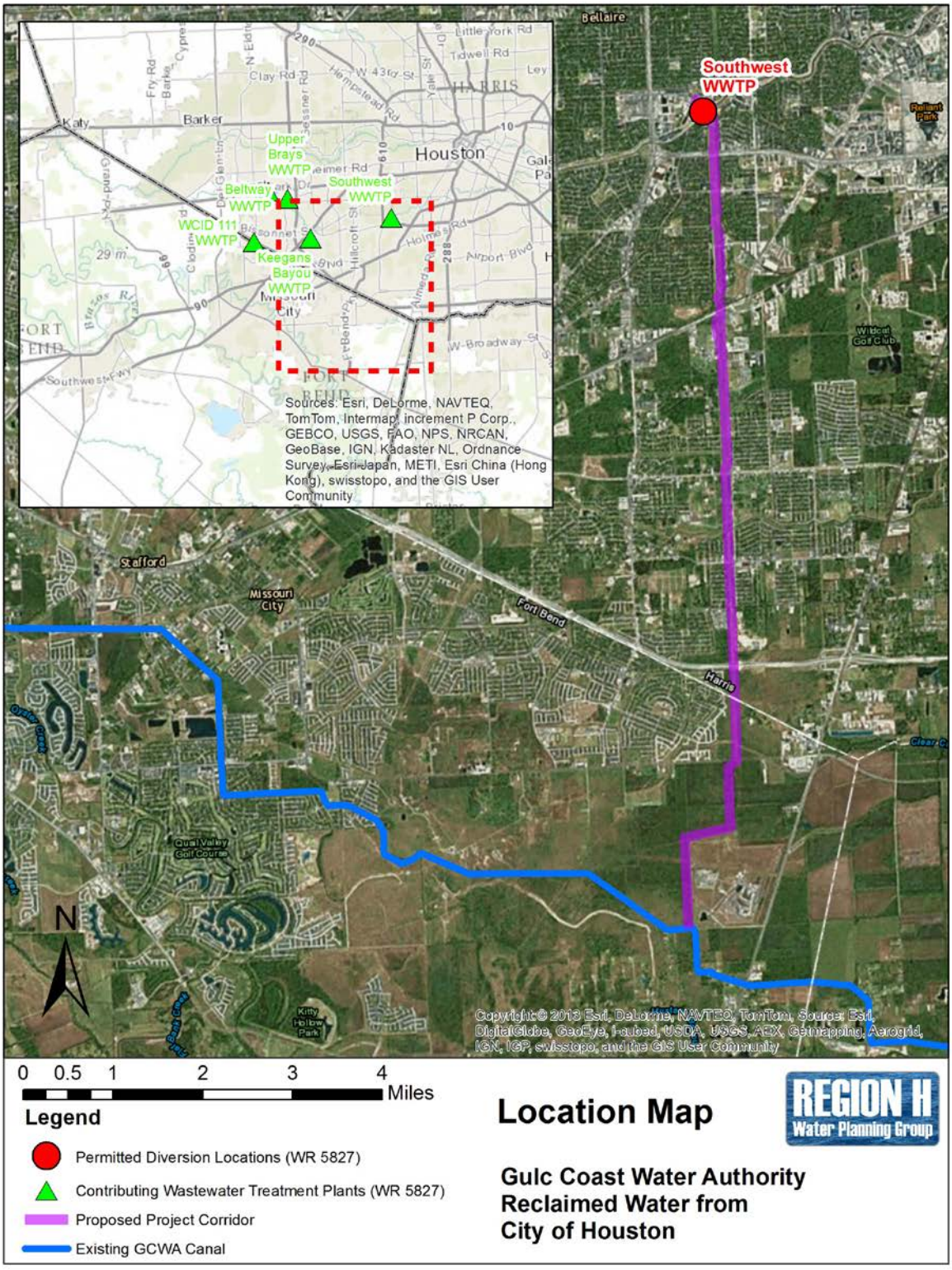
A preliminary environmental review of the project was conducted to identify possible obstacles to project development. Based on a review of the United States Fish and Wildlife Service (USFWS) Online Endangered Species list, five species may be present in the vicinity of the project area. These include the whooping crane (*Grus americana*), Texas prairie dawn-flower (*Hymenoxys texana*), West Indian Manatee (*Trichechus manatus*), Least tern (*Sterna antillarum*), and Piping Plover (*Charadrius melodus*). Care would be required in development of the project to protect these resources during construction and operation.

Three water bodies (Brays Bayou, Sims Bayou, and Clear Creek) were identified as waters of the United States (US) and would be regulated by the US Army Corps of Engineers (USACE) and this determination may possibly apply to others, smaller water sources within the scope of the project as well as numerous wetlands identified in the proposed corridor. Construction of an intake in Brays Bayou as well as the various crossings identified may be covered under Nationwide Permit (NWP) 12. A determination will be required in order to assess the need for a pre-construction notification (PCN) for activities related to the conveyance system. Furthermore, the named streams may also be State owned riverbeds, which may also require an easement form the General Land Office (GLO) prior to proceeding with construction.

Projects sponsored by public entities that affect a cumulative area greater than five acres or that disturb more than 5,000 cubic yards require advance consultation with the THC according to Section 191.0525 (d) of the Antiquities Code of Texas. Because the proposed project may exceed these thresholds, coordination with THC is likely required.

Proposed project activities at the project site would all occur within Floodways and Zone X and Zone AE of existing floodplains (Flood Insurance Rate Map {FIRM} 48201C1005L and 48201C0865L). Activities within these areas may require a permit from or coordination with the local floodplain administrator and must comply with applicable FEMA-approved state or local floodway and floodplain requirements.

Figure 1
Location Map



Attachment K:

Amended Table 4C-1: WWP-Level Project Costs

Region H
Table 4C-1: WWP-Level Project Cost

	Source Identifiers									Project Volume (ac-ft/yr)							Capital Costs ($)					
WMS	Source Name	Source RWPG	Source Basin	Source County	Source ID	Source Basin ID	ID + Basin	Sponsor / Purchaser WWP	WWP ID	2010	2020	2030	2040	2050	2060	Peak Value	2010	2020	2030	2040	2050	2060
Contractual Strategies																						
BRA to Brazosport Water Authority Contract - Allens Creek	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	12900	12	1290012	BRAZOSPORT WATER AUTHORITY	2000	0	116	124	1,557	3,183	5,435	5,435	$0	$0	$0	$0	$0	$0
BRA to GCWA Contract - Allens Creek	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	12900	12	1290012	GULF COAST WATER AUTHORITY	325	0	12,165	27,627	31,782	37,777	42,624	42,624	$0	$0	$0	$0	$0	$0
BRA to GCWA Contract - Brazos Main Stem System	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	G	BRAZOS	RESERVOIR	120E0	12	120E012	GULF COAST WATER AUTHORITY	325	0	4,324	4,324	4,324	4,324	4,324	4,324	$0	$0	$0	$0	$0	$0
BRA to GCWA Contract - Fort Bend OCR	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR	12	FBCOCR12	GULF COAST WATER AUTHORITY	325	0	0	0	0	0	4,517	4,517	$0	$0	$0	$0	$0	$0
BRA to GCWA Contract - SysOps Supply	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B0	12	120B012	GULF COAST WATER AUTHORITY	325	0	1,290	8,057	14,099	14,099	14,099	14,099	$0	$0	$0	$0	$0	$0
BRA to NRG Contract - Fort Bend OCR	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR	12	FBCOCR12	NRG	398300	0	0	0	0	0	8,500	8,500	$0	$0	$0	$0	$0	$0
BRA to Richmond-Rosenberg Contract - Allens Creek	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	12900	12	1290012	RICHMOND-ROSENBERG	999905	0	0	0	1,091	2,970	1,848	2,970	$0	$0	$0	$0	$0	$0
BRA to Richmond-Rosenberg Contract - Fort Bend OCR	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR	12	FBCOCR12	RICHMOND-ROSENBERG	999905	0	0	0	0	90	3,797	3,797	$0	$0	$0	$0	$0	$0
BRA to Sugar Land -Allens Creek	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	12900	12	1290012	SUGAR LAND	999906	0	0	0	231	490	449	490	$0	$0	$0	$0	$0	$0
BRA to Sugar Land -Fort Bend OCR	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR	12	FBCOCR12	SUGAR LAND	999906	0	0	0	0	0	922	922	$0	$0	$0	$0	$0	$0
BRA to Sugar Land - SysOps Supply	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B0	12	120B012	SUGAR LAND	999906	0	1,027	2,947	3,385	3,385	3,385	3,385	$0	$0	$0	$0	$0	$0
COH to Baytown Area Water Authority - Lake Livingston	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	BAYTOWN AREA WATER AUTHORITY	15	0	26	262	398	535	692	692	$0	$0	$0	$0	$0	$0
COH to BRA Contract - Allens Creek	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	12900	12	1290012	BRAZOS RIVER AUTHORITY	331	0	27,498	25,201	57,886	69,755	69,755	69,755	$0	$0	$0	$0	$0	$0
COH to CHCRWA Contract - Lake Houston	HOUSTON LAKE/RESERVOIR	H	SAN JACINTO	RESERVOIR	10030	10	1003010	CHCRWA	999902	0	977	862	720	631	546	977	$0	$0	$0	$0	$0	$0
COH to CHCRWA Contract - Lake Livingston	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	CHCRWA	999902	0	794	1,552	1,711	1,800	1,885	1,885	$0	$0	$0	$0	$0	$0
COH to City of Pasadena Contract - Lake Livingston	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	CITY OF PASADENA	651900	1,865	2,278	2,665	3,153	3,579	4,068	4,068	$0	$0	$0	$0	$0	$0
COH to GCWA Contract	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	3510101	10	351010110	GULF COAST WATER AUTHORITY	325	0	56,896	56,896	56,896	56,896	56,896	56,896	$0	$0	$0	$0	$0	$0
COH to NFBWA Contract - Lake Livingston	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	NFBWA	999901	0	444	17,971	31,161	41,172	50,442	50,442	$0	$0	$0	$0	$0	$0
COH to NHCRWA Contract - Houston Indirect Reuse	HOUSTON INDIRECT REUSE	H	SAN JACINTO	HARRIS	3510101	10	351010110	NHCRWA	999904	0	0	0	18,130	31,629	0	31,629	$0	$0	$0	$0	$0	$0
COH to NHCRWA Contract - Lake Houston	HOUSTON LAKE/RESERVOIR	H	SAN JACINTO	RESERVOIR	10030	10	1003010	NHCRWA	999904	0	30,880	30,880	32,734	29,030	25,398	32,734	$0	$0	$0	$0	$0	$0
COH to NHCRWA Contract - Lake Livingston	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	NHCRWA	999904	0	25,573	52,161	32,177	17,382	57,643	57,643	$0	$0	$0	$0	$0	$0
COH to North Channel Water Authority Contract - Lake Livingston	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	NORTH CHANNEL WATER AUTHORITY	607473	1,954	2,392	2,869	3,511	4,157	4,912	4,912	$0	$0	$0	$0	$0	$0
COH to SJRA Contract - Lake Conroe	CONROE LAKE/RESERVOIR	H	SAN JACINTO	RESERVOIR	10060	10	1006010	SAN JACINTO RIVER AUTHORITY	240	0	36,377	55,538	54,582	53,581	52,534	55,538	$0	$0	$0	$0	$0	$0
COH to WHCRWA Contract - Lake Livingston	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	WHCRWA	999907	1,241	31,837	46,324	52,759	55,549	58,402	58,402	$0	$0	$0	$0	$0	$0
GCWA to City of Galveston Contract - Brazos Main Stem System	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	G	BRAZOS	RESERVOIR	120E0	12	120E012	CITY OF GALVESTON	316200	0	1,225	1,225	1,225	1,225	1,225	1,225	$0	$0	$0	$0	$0	$0
GCWA to City of Galveston Contract - Brazos Run-of-River	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B	12	3461205322B12	CITY OF GALVESTON	316200	0	5,360	5,360	5,360	5,360	5,360	5,360	$0	$0	$0	$0	$0	$0
GCWA to City of Galveston Contract - San Jacinto-Brazos Run-of-River	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	H	SAN JACINTO-BRAZOS	BRAZORIA	3461105357A	11	3461105357A11	CITY OF GALVESTON	316200	0	677	677	677	677	677	677	$0	$0	$0	$0	$0	$0
GCWA to Fort Bend County WCID #2 Contract - SysOps Supply	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B0	12	120B012	FORT BEND COUNTY WCID #2	821000	0	491	1,092	1,092	1,092	1,092	1,092	$0	$0	$0	$0	$0	$0
GCWA to Galveston County WCID #1 Contract - Allens Creek	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	12900	12	1290012	GALVESTON COUNTY WCID #1	316325	0	131	274	305	340	379	379	$0	$0	$0	$0	$0	$0
GCWA to Galveston County WCID #1 Contract - Brazos Main Stem System	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	G	BRAZOS	RESERVOIR	120E0	12	120E012	GALVESTON COUNTY WCID #1	316325	0	107	107	107	107	107	107	$0	$0	$0	$0	$0	$0
GCWA to Galveston County WCID #1 Contract - Brazos Run-of-River	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	FORT BEND	3461205322B	12	3461205322B12	GALVESTON COUNTY WCID #1	316325	0	469	469	469	469	469	469	$0	$0	$0	$0	$0	$0
GCWA to Galveston County WCID #1 Contract - San Jacinto-Brazos Run-of-River	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	H	SAN JACINTO-BRAZOS	BRAZORIA	3461105357A	11	3461105357A11	GALVESTON COUNTY WCID #1	316325	0	59	59	59	59	59	59	$0	$0	$0	$0	$0	$0
GCWA to Missouri City Contract - Allens Creek	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	12900	12	1290012	MISSOURI CITY	999903	0	0	68	321	571	594	594	$0	$0	$0	$0	$0	$0
GCWA to Missouri City Contract - Fort Bend OCR	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR	12	FBCOCR12	MISSOURI CITY	999903	0	0	0	0	0	4,501	4,501	$0	$0	$0	$0	$0	$0
GCWA to Missouri City Contract - SysOps Supply	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B0	12	120B012	MISSOURI CITY	999903	0	713	6,262	10,340	10,340	10,340	10,340	$0	$0	$0	$0	$0	$0
SJRA to COH Contract - Lake Houston	HOUSTON LAKE/RESERVOIR	H	SAN JACINTO	RESERVOIR	10030	10	1003010	SAN JACINTO RIVER AUTHORITY	240	0	0	1,356	5,300	3,872	2,428	5,300	$0	$0	$0	$0	$0	$0
TRA to Houston Transfer	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	CITY OF HOUSTON	396200	0	0	116,738	123,524	123,524	123,524	123,524	$0	$0	$0	$0	$0	$0
TRA to SJRA Transfer	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	SAN JACINTO RIVER AUTHORITY	240	0	0	0	7,935	39,096	76,476	76,476	$0	$0	$0	$302,781,597	$0	$0
Groundwater Reduction Plans																						
CHCRWA GRP	Multiple	H	Multiple	Multiple	Multiple	Multiple	Multiple	CHCRWA	999902	2,375	4,146	4,789	4,806	4,806	4,806	4,806	$0	$0	$0	$0	$0	$0
COH GRP	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	CITY OF HOUSTON	396200	3,762	11,417	16,809	19,870	22,399	24,990	24,990	$0	$0	$0	$0	$0	$0
Fort Bend WCID #2 GRP	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B0	12	120B012	FORT BEND COUNTY WCID #2	821000	0	2,296	5,753	5,753	5,753	5,753	5,753	$0	$10,631,491	$7,098,683	$7,098,683	$0	$0
NFBWA GRP	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	NFBWA	999901	35,009	61,021	70,363	84,943	96,103	106,402	106,402	$0	$0	$0	$0	$0	$0
NHCRWA GRP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NHCRWA	999904	34,714	91,167	117,755	99,625	81,126	117,755	117,755	$0	$0	$0	$0	$0	$0
Missouri City GRP	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	MISSOURI CITY	999903	0	5,182	9,431	13,149	13,149	17,562	17,562	$0	$51,260,490	$40,810,500	$0	$0	$0
Richmond Rosenberg GRP (WFB SWTP)	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	G	BRAZOS	RESERVOIR	120E0	12	120E012	RICHMOND-ROSENBERG	999905	7,500	7,500	7,500	7,500	7,500	7,500	7,500	$0	$43,205,325	$29,963,475	$29,897,900	$0	$14,153,450
SJRA WRAP	Multiple	H	Multiple	Multiple	Multiple	Multiple	Multiple	SAN JACINTO RIVER AUTHORITY	240	0	36,377	55,538	62,517	92,677	129,010	129,010	$0	$380,000,000	$180,000,000	$200,000,000	$140,000,000	$0
Sugar Land GRP	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	SUGAR LAND	999906	0	1,587	7,987	8,656	8,915	9,796	9,796	$0	$82,825,000	$78,535,049	$0	$0	$0
WHCRWA GRP	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	WHCRWA	999907	21,678	52,274	66,761	73,196	75,985	78,839	78,839	$0	$0	$0	$0	$0	$0
Reservoir Strategies																						
Allens Creek Reservoir	ALLENS CREEK LAKE/RESERVOIR	H	BRAZOS	RESERVOIR	12900	12	1290012	BRAZOS RIVER AUTHORITY / CITY OF HOUSTON	331 / 396200	0	57,393	55,096	87,781	99,650	99,650	99,650	$0	$222,752,400	$0	$0	$0	$0
Brazoria Off-Channel Reservoir	BRAZORIA OCR	H	BRAZOS	RESERVOIR	BRAOCR	12	BRAOCR12	BRAZOS RIVER AUTHORITY	331	0	0	0	0	0	24,000	24,000	$0	$0	$0	$0	$0	$173,898,602
Dow Off-Channel Reservoir	DOW OFFCHANNEL RESERVOIR	H	BRAZOS	RESERVOIR	DOWOCR	12	DOWOCR12	THE DOW CHEMICAL CO.	237200	0	21,800	21,800	21,800	21,800	21,800	0	$0	$124,468,000	$0	$0	$0	$0
Fort Bend Off-Channel Reservoir	FORT BEND OCR	H	BRAZOS	RESERVOIR	FBCOCR	12	FBCOCR12	BRAZOS RIVER AUTHORITY	331	0	0	0	0	90	45,943	45,943	$0	$0	$0	$0	$202,514,788	$0
GCWA Off-Channel Reservoir	GCWA OFFCHANNEL RESERVOIR	H	SAN JACINTO-BRAZOS	RESERVOIR	GCWAOC	11	GCWAOC11	GULF COAST WATER AUTHORITY	325	0	0	39,500	39,500	39,500	39,500	39,500	$0	$0	$197,448,012	$0	$0	$0
Reuse Strategies																						
GCWA Reclaimed Water from COH	INDIRECT REUSE HARRIS COUNTY	H	SAN JACINTO	HARRIS	3510101	10	351010110	GULF COAST WATER AUTHORITY	325	0	56,896	56,896	56,896	56,896	56,896	56,896	$0	$66,840,044	$0	$0	$0	$0
Wastewater Reuse for Industry	WASTEWATER REUSE FOR INDUSTRY	H	SAN JACINTO	HARRIS	3610101	10	361010110	CITY OF HOUSTON	396200	0	0	0	0	0	67,200	67,200	$0	$0	$0	$0	$0	$332,051,761
Permit / Other Strategies																						
BRA System Operations Permit	BRA SYSTEM OPERATIONS PERMIT	H	BRAZOS	RESERVOIR	120B0	12	120B012	BRAZOS RIVER AUTHORITY	331	0	6,621	18,870	25,350	25,350	25,350	25,350	$0	$0	$0	$0	$0	$0
Freeport Desalination	GULF OF MEXICO SEA WATER	H	GULF	RESERVOIR	4124999	24	412499924	BRAZOS RIVER AUTHORITY	331	0	0	0	0	33,600	33,600	33,600	$0	$0	$0	$255,699,000	$0	$0
Houston Bayous Permit	SAN JACINTO RUN-OF-RIVER HOUSTON BAYOUS	H	SAN JACINTO	HARRIS	34UNPERMITTED	10	34UNPERMITTED10	CITY OF HOUSTON	396200	0	0	0	0	0	0	0	$0	$20,956,000	$0	$0	$0	$0
Infrastructure Strategies																						
BWA Brackish Groundwater	GULF COAST AQUIFER	H	BRAZOS	BRAZORIA	2015	12	201512	BRAZOSPORT WATER AUTHORITY	2000	0	3,136	3,136	3,136	3,136	3,136	3,136	$0	$30,570,395	$0	$0	$0	$0
BWA Plant Expansion	BRAZOS RIVER RUN-OF-RIVER	H	BRAZOS	BRAZORIA	3461205366	12	346120536612	BRAZOSPORT WATER AUTHORITY	2000	0	8,400	8,400	8,400	8,400	8,400	8,400	$0	$14,359,419	$0	$0	$0	$0
Brazos Saltwater Barrier	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	G	BRAZOS	RESERVOIR	120E0	12	120E012	BRAZOS RIVER AUTHORITY	331	0	0	0	0	0	0	0	$0	$44,470,739	$0	$0	$0	$0
CHCRWA Transmission	N/A	N/A	N/A	N/A	N/A	N/A	N/A	CHCRWA	999902	2,375	4,146	4,789	4,806	4,806	4,806	4,806	$0	$0	$0	$0	$0	$0
CHCRWA Internal Distribution	N/A	N/A	N/A	N/A	N/A	N/A	N/A	CHCRWA	999902	2,375	4,146	4,789	4,806	4,806	4,806	4,806	$0	$0	$0	$0	$0	$0
CLCND West Chambers County System	TRINITY RIVER RUN-OF-RIVER	H	TRINITY	CHAMBERS	3460804279B	08	3460804279B08	CHAMBERS LIBERTY COUNTIES NAVIGATIONAL DISTRICT	150	0	1,691	1,978	2,235	2,511	2,804	2,804	$0	$20,380,000	$0	$0	$0	$0
COH Treatment Expansion	N/A	N/A	N/A	N/A	N/A	N/A	N/A	CITY OF HOUSTON	396200	16,000	280,000	128,000	64,000	48,000	48,000	280,000	$66,895,529	$975,979,521	$446,248,855	$223,261,769	$166,643,243	$166,643,243
COH Distribution Expansion	N/A	N/A	N/A	N/A	N/A	N/A	N/A	CITY OF HOUSTON	396200	TBD	TBD	TBD	TBD	TBD	TBD	TBD	$0	$229,390,000	$31,650,000	$0	$0	$0
Huntsville WTP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	CITY OF HUNTSVILLE	410000	11,200	11,200	11,200	11,200	11,200	11,200	11,200	$61,023,906	$0	$0	$0	$0	$0
Luce Bayou	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	CITY OF HOUSTON	396200	0	128,259	206,276	207,629	205,171	270,742	270,742	$0	$253,916,914	$0	$0	$0	$0
NFBWA 2025 Shared Transmission (w/ WHCRWA)	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	NFBWA	999901	0	21,878	39,405	52,595	62,606	71,876	71,876	$0	$14,000,000	$142,000,000	$57,000,000	$0	$0
NFBWA Internal Distribution	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	NFBWA	999901	35,009	61,021	70,363	84,943	96,103	106,402	106,402	$74,000,000	$15,000,000	$106,000,000	$10,000,000	$10,000,000	$10,000,000
NHCRWA Internal 2010 Distribution	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NHCRWA	999904	34,714	34,714	34,714	34,714	34,714	34,714	34,714	$153,149,640	$0	$0	$0	$0	$0
NHCRWA Internal 2020 Distribution	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NHCRWA	999904	0	91,167	91,167	91,167	91,167	91,167	91,167	$0	$345,292,192	$0	$0	$0	$0
NHCRWA Internal 2030 Distribution	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NHCRWA	999904	0	0	117,755	117,755	117,755	117,755	117,755	$0	$0	$37,439,584	$0	$0	$0
NHCRWA Transmission 2010	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NHCRWA	999904	34,714	34,714	34,714	34,714	34,714	34,714	34,714	$80,690,624	$0	$0	$0	$0	$0
NHCRWA Transmission 2020	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NHCRWA	999904	0	91,167	91,167	91,167	91,167	91,167	91,167	$0	$172,558,512	$0	$0	$0	$0
NHCRWA Transmission 2030	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NHCRWA	999904	0	0	117,755	117,755	117,755	117,755	117,755	$0	$0	$0	$0	$0	$0
WHCRWA Internal Distribution	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	WHCRWA	999907	21,678	52,274	66,761	73,196	75,985	78,839	78,839	$135,309,000	$340,470,000	$76,693,000	$0	$0	$0
WHCRWA 2020 Shared Transmission (w/ NFBWA)	LIVINGSTON-WALLISVILLE SYSTEM	H	TRINITY	RESERVOIR	084H0	08	084H008	WHCRWA	999907	21,678	52,274	66,761	73,196	75,985	78,839	78,839	$45,110,193	$244,974,000	$0	$0	$0	$0

Region H
Table 4C-1: WWP-Level Project Cost

WMS	Total Capital Cost	Total Annual Costs ($/year) 2010	2020	2030	2040	2050	2060	Source	Notes
Contractual Strategies									
BRA to Brazosport Water Authority Contract - Allens Creek	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
BRA to GCWA Contract - Allens Creek	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
BRA to GCWA Contract - Brazos Main Stem System	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
BRA to GCWA Contract - Fort Bend OCR	$0	$0	$0	$0	$0	$0	$0		
BRA to GCWA Contract - SysOps Supply	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
BRA to NRG Contract - Fort Bend OCR	$0	$0	$0	$0	$0	$0	$0		
BRA to Richmond-Rosenberg Contract - Allens Creek	$0	$0	$0	$0	$0	$0	$0		
BRA to Richmond-Rosenberg Contract - Fort Bend OCR	$0	$0	$0	$0	$0	$0	$0		
BRA to Sugar Land -Allens Creek	$0	$0	$0	$0	$0	$0	$0		
BRA to Sugar Land -Fort Bend OCR	$0	$0	$0	$0	$0	$0	$0		
BRA to Sugar Land - SysOps Supply	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
COH to Baytown Area Water Authority - Lake Livingston	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
COH to BRA Contract - Allens Creek	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
COH to CHCRWA Contract - Lake Houston	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
COH to CHCRWA Contract - Lake Livingston	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
COH to City of Pasadena Contract - Lake Livingston	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
COH to GCWA Contract	$0	$0	$0	$0	$0	$0	$0	Region H 2016 RWP analysis	Costs listed under GCWA Reclaimed Water from COH WMS.
COH to NFBWA Contract - Lake Livingston	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
COH to NHCRWA Contract - Houston Indirect Reuse	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
COH to NHCRWA Contract - Lake Houston	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
COH to NHCRWA Contract - Lake Livingston	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
COH to North Channel Water Authority Contract - Lake Livingston	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
COH to SJRA Contract - Lake Conroe	$0	$0	$0	$0	$0	$0	$0		
COH to WHCRWA Contract - Lake Livingston	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
GCWA to City of Galveston Contract - Brazos Main Stem System	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
GCWA to City of Galveston Contract - Brazos Run-of-River	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
GCWA to City of Galveston Contract - San Jacinto-Brazos Run-of-River	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
GCWA to Fort Bend County WCID #2 Contract - SysOps Supply	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
GCWA to Galveston County WCID #1 Contract - Allens Creek	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
GCWA to Galveston County WCID #1 Contract - Brazos Main Stem System	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
GCWA to Galveston County WCID #1 Contract - Brazos Run-of-River	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
GCWA to Galveston County WCID #1 Contract - San Jacinto-Brazos Run-of-River	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
GCWA to Missouri City Contract - Allens Creek	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
GCWA to Missouri City Contract - Fort Bend OCR	$0	$0	$0	$0	$0	$0	$0		
GCWA to Missouri City Contract - SysOps Supply	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
SJRA to COH Contract - Lake Houston	$0	$0	$0	$0	$0	$0	$0	Region H 2011 RWP	No cost as infrastructure reflected under other strategies. Raw water cost not assumed.
TRA to Houston Transfer	$0	$0	$0	$0	$0	$0	$0	Region H RWP Tech Memo	Strategy cost associated with Luce Bayou
TRA to SJRA Transfer	$302,781,597	$0	$0	$0	$37,101,862	$37,101,862	$10,703,983	Region H RWP Tech Memo	Cost associated with development of conveyance infrastructure.
Groundwater Reduction Plans									
CHCRWA GRP	$0	$0	$0	$0	$0	$0	$0	No data available	No data available
COH GRP	$0	$0	$0	$0	$0	$0	$0	Region H RWP Tech Memo - Treatment	No cost as volume and treatment / distribution is associated with other strategies.
Fort Bend WCID #2 GRP	$24,828,857	$0	$1,310,164	$2,312,320	$2,387,576	$1,768,681	$1,149,785	FBC WCID 2 GRP	Annual O&M includes electic cost
NFBWA GRP	$0	$0	$0	$0	$0	$0	$0	NFBWA GRP	No cost as volume and treatment / distribution is associated with other strategies.
NHCRWA GRP	$0	$0	$0	$0	$0	$0	$0	NHCRWA GRP	No cost as volume and treatment / distribution is associated with other strategies.
Missouri City GRP	$92,070,990	$0	$5,750,635	$10,328,943	$5,859,820	$2,301,775	$2,301,775	Missouri City GRP	Annual O&M cost assumed as 2.5% of project capital cost. No annual energy cost assumed due to limited information.
Richmond Rosenberg GRP (WFB SWTP)	$117,220,150	$0	$6,652,597	$13,441,309	$16,083,787	$13,471,435	$17,440,442	West FBC Regional SWTP PER	
SJRA WRAP	$900,000,000	$0	$42,630,132	$62,823,352	$52,130,132	$52,142,749	$34,705,838	SJRA WRAP Part 2	Annual costs beyond debt service estimated from SJRA WRAP Part II. O&M costs include electricity.
Sugar Land GRP	$161,360,049	$0	$17,561,104	$17,561,104	$3,493,000	$3,493,000	$3,493,000	Sugar Land CIP, Sugar Land GRP	Assuming O&M constant after 2014. No annual energy cost assumed due to limited information.
WHCRWA GRP	$0	$0	$0	$0	$0	$0	$0	WHCRWA Summary	No cost as volume and treatment / distribution is associated with other strategies.
Reservoir Strategies									
Allens Creek Reservoir	$222,752,400	$0	$18,706,144	$18,706,144	$18,706,144	$18,706,144	$3,901,678	Region H RWP Tech Memo	
Brazoria Off-Channel Reservoir	$173,898,602	$0	$0	$0	$0	$0	$28,951,707		
Dow Off-Channel Reservoir	$124,468,000	$0	$10,484,000	$10,484,000	$10,484,000	$8,490,000	$8,490,000		
Fort Bend Off-Channel Reservoir	$202,514,788	$0	$0	$0	$0	$43,566,686	$43,566,686		
GCWA Off-Channel Reservoir	$197,448,012	$0	$0	$32,678,970	$32,678,970	$32,678,970	$32,678,970	Region H 2011 RWP	
Reuse Strategies									
GCWA Reclaimed Water from COH	$66,840,044	$0	$7,912,181	$7,912,181	$2,319,051	$2,319,051	$2,319,051	Region H 2016 RWP analysis	
Wastewater Reuse for Industry	$332,051,761	$0	$0	$0	$0	$0	$60,010,614	Region H RWP Tech Memo	
Permit / Other Strategies									
BRA System Operations Permit	$0	$0	$0	$0	$0	$0	$0	HDR, Inc.	
Freeport Desalination	$255,699,000	$0	$0	$0	$28,685,479	$28,685,479	$6,392,475	Region H 2011 RWP	Assuming O&M as 2.5 percent of capital cost. No annual energy cost assumed due to limited information.
Houston Bayous Permit	$20,956,000	$0	$1,827,040	$1,827,040	$0	$0	$0	Region H RWP Tech Memo	
Infrastructure Strategies									
BWA Brackish Groundwater	$30,570,395	$0	$5,735,790	$5,735,790	$3,177,681	$3,177,681	$3,177,681	CDM Smith	Based on anticipated operation.
BWA Plant Expansion	$14,359,419	$0	$3,274,279	$3,274,279	$2,072,693	$2,072,693	$2,072,693	SDM Smith	Based on peak capacity.
Brazos Saltwater Barrier	$44,470,739	$0	$4,988,930	$4,988,930	$1,111,768	$1,111,768	$1,111,768	Region H RWP Tech Memo	Annual O&M cost assumed as 2.5% of project capital cost. No annual energy cost assumed due to limited information.
CHCRWA Transmission	$0	$0	$0	$0	$0	$0	$0	No data available	No data available
CHCRWA Internal Distribution	$0	$0	$0	$0	$0	$0	$0	No data available	No data available
CLCND West Chambers County System	$20,380,000	$0	$1,980,621	$1,980,621	$203,800	$203,800	$203,800	CLCND Funding App	Annual O&M cost assumed as 1.0% of project capital cost. No annual energy cost assumed due to limited information.
COH Treatment Expansion	$2,045,672,161	$7,670,034	$121,707,226	$168,015,257	$109,009,300	$89,583,305	$89,598,340	Estimated using Reg H procedures	Energy costs not assumed due to limited data.
COH Distribution Expansion	$261,040,000	$0	$22,293,166	$25,369,057	$5,369,791	$2,610,400	$2,610,400	No data available	Not enough data available to estimate costs at this time.
Huntsville WTP	$61,023,906	$10,120,710	$10,120,710	$4,800,368	$4,800,368	$4,800,368	$4,800,368	Standard Region H assumptions	Annual O&M cost assumed as 2.5% of project capital cost. Assumes 10 MGD plant and pump station capacity.
Luce Bayou	$253,916,914	$0	$31,798,394	$31,798,394	$9,660,760	$9,660,760	$9,660,760	Luce Bayou Alternatives Analysis	O&M and electric scaled using CCI
NFBWA 2025 Shared Transmission (w/ WHCRWA)	$213,000,000	$0	$1,220,584	$13,600,791	$17,349,727	$4,969,520	$0	NFBWA Table from BGE	O&M costs not included as they include part of COH infrastructure O&M. No annual energy cost assumed due to limited information.
NFBWA Internal Distribution	$225,000,000	$6,451,657	$7,759,425	$10,549,331	$10,113,409	$1,743,692	$1,743,692	NFBWA Table from BGE	O&M costs not included as they include part of COH infrastructure O&M. No annual energy cost assumed due to limited information.
NHCRWA Internal 2010 Distribution	$153,149,640	$14,883,780	$14,883,780	$1,531,496	$1,531,496	$1,531,496	$1,531,496		
NHCRWA Internal 2020 Distribution	$345,292,192	$0	$33,557,069	$33,557,069	$3,452,922	$3,452,922	$3,452,922		
NHCRWA Internal 2030 Distribution	$37,439,584	$0	$0	$3,638,549	$3,638,549	$374,396	$374,396		
NHCRWA Transmission 2010	$80,690,624	$7,841,883	$7,841,883	$806,906	$806,906	$806,906	$806,906		
NHCRWA Transmission 2020	$172,558,512	$0	$16,770,023	$16,770,023	$1,725,585	$1,725,585	$1,725,585		
NHCRWA Transmission 2030	$0	$0	$0	$0	$0	$0	$0		
WHCRWA Internal Distribution	$552,472,000	$13,149,945	$46,238,371	$41,894,891	$12,211,165	$5,524,720	$5,524,720	WHCRWA Summary	Annual O&M cost assumed as 1.0% of project capital cost. No annual energy cost assumed due to limited information.
WHCRWA 2020 Shared Transmission (w/ NFBWA)	$290,084,193	$4,384,014	$28,191,704	$24,258,792	$2,900,842	$2,900,842	$2,900,842	WHCRWA Summary	Annual O&M cost assumed as 1.0% of project capital cost. No annual energy cost assumed due to limited information.

Attachment L:

Amended Table 4C-2: WUG-Level Project Costs

Region H

Table 4C-2: WUG-Level Project Costs

WUG Name	wug_basin	WUG County	WUG-County-Basin Identifier	Pump Stations		Connection Costs	Treatment Plants			Wells			Other Capital Costs					Debt Service					Operations and Maintenance						Energy				
				Booster Pump Stations	Raw Water Pump Stations	Pipeline Connections	Surface Water Treatment Plants	Groundwater Treatment Plants	Direct Reuse Plants	Municipal Supply Wells	Agricultural Wells	Land and Easements	Mitigation	Capital Costs for Irrigation Conservation	Engineering, Contingencies, Financial and Legal Services	Interest During Construction	Project-Specific Capital Costs	Total Capital Cost	2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060
ALVIN	SAN JACINTO-BRAZOS	BRAZORIA	08001300000201	$0	$285,519	$0	$0	$5,888,715	$0	$0	$0	$0	$0	$0	$2,160,980	$680,737	$0	$9,015,947	$0	$0	$133,760	$278,962	$376,961	$507,089	$0	$0	$56,414	$117,664	$215,581	$332,033	$0	$0	$4,584	$9,560	$17,516	$26,978
AMES	TRINITY	LIBERTY	08067600014608	$0	$0	$0	$0	$87,198	$0	$95,160	$0	$0	$0	$0	$0	$63,825	$20,106	$0	$266,290	$0	$4,520	$8,629	$7,807	$8,629	$10,889	$0	$0	$2,211	$4,220	$6,029	$8,440	$11,354	$0	$0	$1,621	$3,094	$4,420	$6,188	$8,324
ANAHUAC	NECHES-TRINITY	CHAMBERS	08015500003607	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
ANAHUAC	TRINITY	CHAMBERS	08015500003608	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
ANGLETON	SAN JACINTO-BRAZOS	BRAZORIA	08001800000201	$941,407	$0	$0	$322,372	$0	$0	$59,791	$0	$96,947	$96,947	$0	$482,424	$167,805	$0	$2,222,478	$29,418	$166,411	$139,790	$3,128	$7,673	$24,227	$3,371	$27,688	$28,949	$29,004	$30,423	$33,893	$3,364	$14,733	$15,766	$15,715	$17,656	$20,454
ARCOLA	SAN JACINTO-BRAZOS	FORT BEND	08099800007913	$0	$0	$0	$0	$306,186	$0	$334,325	$0	$0	$0	$0	$224,177	$70,619	$0	$935,300	$0	$21,772	$52,987	$38,815	$17,874	$20,950	$0	$10,600	$25,904	$25,922	$24,640	$39,874	$0	$7,808	$19,006	$21,731	$25,414	$29,245
BACLIFF MUD	SAN JACINTO-BRAZOS	GALVESTON	08401200008411	$1,235,025	$0	$0	$419,950	$0	$0	$0	$0	$0	$48,485	$48,485	$0	$579,241	$190,388	$0	$2,521,573	$0	$219,842	$219,842	$0	$0	$0	$35,075	$35,075	$35,075	$35,075	$35,075	$0	$36,047	$35,800	$35,433	$34,966	$34,426
BAILEY'S PRAIRIE	SAN JACINTO-BRAZOS	BRAZORIA	08081700000201	$0	$0	$0	$11,575	$0	$0	$12,632	$0	$0	$0	$0	$8,478	$2,669	$0	$35,349	$0	$616	$1,027	$822	$1,027	$1,644	$0	$301	$502	$703	$1,005	$1,507	$0	$221	$368	$516	$737	$1,105
BAILEY'S PRAIRIE	BRAZOS	BRAZORIA	08081700000212	$0	$0	$0	$0	$772	$0	$842	$0	$0	$0	$0	$666	$178	$0	$2,357	$0	$0	$0	$0	$205	$205	$0	$0	$0	$0	$0	$0	$0	$100	$100	$0	$0	$74
BAYOU VISTA	SAN JACINTO-BRAZOS	GALVESTON	08075900038413	$187,414	$0	$64,390	$0	$0	$0	$3,080	$0	$48,485	$48,485	$0	$90,394	$36,395	$0	$482,027	$0	$41,826	$42,026	$205	$0	$0	$0	$5,631	$5,731	$5,731	$5,731	$5,731	$0	$5,549	$5,574	$5,474	$5,353	$5,206
BAYTOWN	TRINITY-SAN JACINTO	CHAMBERS	08062200003609	$0	$0	$0	$0	$21,607	$0	$23,586	$0	$0	$0	$0	$15,815	$4,982	$0	$65,984	$0	$1,849	$2,878	$1,849	$1,849	$2,055	$0	$904	$1,407	$1,809	$2,311	$2,813	$0	$663	$1,033	$1,328	$1,694	$2,063
BAYTOWN	TRINITY-SAN JACINTO	HARRIS	08062200003109	$0	$0	$0	$0	$5,896	$0	$6,440	$0	$0	$0	$0	$4,318	$1,246	$0	$18,000	$0	$462	$1,438	$1,233	$0	$0	$0	$226	$352	$703	$703	$703	$0	$166	$258	$332	$423	$516
BAYTOWN	SAN JACINTO	HARRIS	08062200010110	$0	$0	$0	$0	$3,087	$0	$3,366	$0	$0	$0	$0	$2,259	$712	$0	$9,426	$0	$205	$205	$0	$0	$205	$616	$0	$100	$100	$100	$203	$403	$0	$74	$74	$74	$147	$295
BEACH CITY	TRINITY-SAN JACINTO	CHAMBERS	08062200003609	$0	$165,715	$0	$3,419,853	$137,155	$0	$149,899	$0	$0	$0	$0	$1,355,418	$426,974	$0	$5,655,016	$38,546	$263,561	$284,382	$109,956	$110,911	$119,514	$17,852	$113,764	$137,943	$160,109	$184,686	$210,475	$13,112	$9,413	$12,338	$14,788	$17,385	$19,923
BEACH CITY	TRINITY	CHAMBERS	08062200003608	$0	$25,676	$0	$530,146	$24,693	$0	$26,348	$0	$0	$0	$0	$212,618	$66,975	$0	$887,042	$6,575	$46,736	$49,724	$18,169	$18,257	$22,433	$3,215	$20,140	$24,168	$27,796	$31,020	$33,028	$2,357	$1,522	$1,923	$2,292	$2,701	$2,939
BEASLEY	BRAZOS	FORT BEND	08101200007912	$0	$0	$0	$0	$6,173	$0	$6,737	$0	$0	$0	$0	$4,518	$1,423	$0	$18,853	$0	$205	$411	$616	$822	$822	$0	$100	$201	$402	$603	$804	$0	$74	$147	$295	$442	$589
BEASLEY	BRAZOS-COLORADO	FORT BEND	08101200007913	$0	$0	$0	$0	$63,273	$0	$69,054	$0	$0	$0	$0	$46,316	$14,590	$0	$193,238	$0	$2,260	$4,521	$6,781	$5,547	$6,985	$9,042	$0	$1,106	$2,412	$3,818	$5,828	$8,236	$0	$810	$1,769	$2,799	$4,273	$6,043
BELLAIRE	SAN JACINTO-BRAZOS	HARRIS	08046000010110	$2,253,087	$0	$0	$769,828	$0	$0	$80,245	$0	$87,581	$0	$0	$1,116,760	$359,709	$0	$4,764,135	$215,952	$254,871	$77,982	$79,931	$77,919	$80,551	$34,477	$44,345	$54,288	$61,082	$67,242	$74,474	$35,358	$43,880	$52,425	$59,227	$65,396	$72,634
BILLYVILLE	SAN JACINTO-BRAZOS	AUSTIN	08040500003812	$0	$0	$0	$0	$586,963	$0	$536,756	$0	$0	$0	$0	$393,302	$123,895	$0	$1,640,916	$0	$84,851	$96,841	$58,111	$29,992	$26,502	$0	$28,545	$47,302	$56,945	$61,968	$69,904	$0	$20,995	$34,770	$41,842	$45,525	$51,345
BLUE BELL MANOR UTILITY COMPANY	SAN JACINTO	HARRIS	08402600010110	$0	$0	$0	$0	$318,210	$0	$347,796	$0	$0	$0	$0	$233,103	$73,430	$0	$972,542	$28,752	$74,518	$56,039	$10,272	$0	$0	$14,056	$36,418	$41,440	$41,440	$41,440	$41,440	$10,313	$26,740	$30,424	$29,982	$29,613	$29,813
BOLIVAR PENINSULAR SUD	NECHES-TRINITY	GALVESTON	08027500003407	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
BRAZORIA	BRAZOS	BRAZORIA	08072700002012	$123,574	$0	$0	$42,485	$0	$0	$0	$0	$0	$48,485	$48,485	$0	$58,121	$26,228	$0	$347,378	$0	$30,286	$30,286	$0	$0	$0	$3,514	$3,514	$3,514	$3,514	$3,514	$0	$1,572	$1,572	$1,572	$1,572	$1,572
BRAZORIA	BRAZOS-COLORADO	BRAZORIA	08072700002013	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
BRAZORIA COUNTY MUD #1	SAN JACINTO-BRAZOS	BRAZORIA	08400300002011	$0	$0	$0	$1,265,287	$0	$0	$1,387,827	$0	$0	$0	$0	$928,598	$292,518	$0	$3,874,229	$0	$61,515	$133,231	$134,252	$132,010	$140,000	$0	$30,031	$65,018	$95,546	$129,446	$164,824	$0	$22,106	$47,882	$70,352	$95,323	$121,400
BRAZORIA COUNTY MUD #2	BRAZOS	BRAZORIA	08401000002012	$0	$0	$0	$1,577,126	$0	$0	$1,734,784	$0	$0	$0	$0	$1,159,168	$365,153	$0	$4,836,230	$0	$77,826	$166,422	$167,846	$165,410	$175,973	$0	$37,952	$81,119	$119,762	$161,750	$205,506	$0	$27,993	$59,890	$88,398	$119,411	$151,752
BRAZORIA COUNTY MUD #3	SAN JACINTO-BRAZOS	BRAZORIA	08403200002011	$0	$0	$0	$912,815	$0	$0	$998,764	$0	$0	$0	$0	$669,052	$210,760	$0	$2,791,391	$0	$44,538	$96,038	$96,446	$95,013	$102,385	$0	$21,767	$46,918	$68,877	$93,332	$118,889	$0	$15,985	$34,475	$50,604	$68,523	$87,397
BRAZORIA COUNTY MUD #4	SAN JACINTO-BRAZOS	BRAZORIA	08403300002012	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
BRAZORIA COUNTY MUD #5	SAN JACINTO-BRAZOS	BRAZORIA	08403400002011	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
BRITMOORE UTILITIES	SAN JACINTO	HARRIS	08403600010110	$597,709	$0	$0	$205,496	$0	$0	$0	$0	$0	$48,462	$48,462	$0	$281,120	$96,472	$0	$1,277,715	$26,170	$61,461	$51,878	$28,443	$22,085	$21,490	$2,831	$8,698	$11,455	$13,427	$15,127	$16,998	$2,824	$8,692	$11,443	$13,407	$15,101	$16,968
BROOKSHIRE	BRAZOS	WALLER	08077300023712	$0	$0	$0	$0	$808,238	$0	$884,234	$0	$0	$0	$0	$592,366	$186,603	$0	$2,471,440	$0	$25,468	$62,424	$78,421	$92,349	$113,582	$0	$12,402	$30,514	$50,776	$75,631	$105,269	$0	$9,134	$22,394	$37,274	$55,543	$77,348
BROOKSIDE VILLAGE	SAN JACINTO-BRAZOS	BRAZORIA	08078100002011	$0	$0	$0	$0	$95,686	$0	$104,705	$0	$0	$0	$0	$70,038	$22,063	$0	$292,211	$0	$2,878	$8,613	$10,067	$10,604	$12,533	$0	$1,407	$3,916	$6,330	$9,144	$12,458	$0	$1,031	$2,872	$4,644	$6,705	$9,134
BUFFALO	TRINITY	LEON	08068300014508	$0	$0	$0	$0	$40,897	$0	$44,633	$0	$0	$0	$0	$29,936	$9,430	$0	$124,896	$0	$7,396	$10,889	$3,493	$0	$0	$0	$3,617	$5,329	$5,329	$5,329	$5,329	$0	$2,652	$3,904	$3,617	$3,241	$3,462
BUNKER HILL VILLAGE	SAN JACINTO-BRAZOS	HARRIS	08080500010110	$410,594	$0	$0	$140,766	$0	$0	$0	$0	$0	$48,462	$48,462	$0	$192,976	$66,705	$0	$909,963	$73,330	$87,826	$88,613	$0	$0	$0	$11,672	$11,672	$11,672	$11,672	$11,672	$11,672	$11,737	$11,516	$11,295	$11,075	$11,000
CANDLELIGHT HILLS SUBDIVISIOP	SAN JACINTO	HARRIS	08404300010110	$591,702	$0	$0	$203,431	$0	$0	$0	$0	$0	$48,462	$48,462	$0	$278,297	$95,583	$0	$1,265,936	$25,431	$59,694	$50,850	$28,739	$22,381	$21,937	$2,708	$8,404	$11,161	$13,181	$14,881	$16,827	$2,701	$8,398	$11,148	$13,161	$14,856	$16,796
CENTERVILLE	TRINITY	LEON	08010500001408	$0	$0	$0	$0	$16,205	$0	$17,687	$0	$0	$0	$0	$11,861	$3,737	$0	$49,488	$0	$2,878	$4,315	$1,438	$0	$0	$0	$1,407	$2,112	$2,112	$2,112	$2,112	$0	$1,031	$1,547	$1,328	$1,176	$1,252
CHIMNEY HILL MUD	HARRIS	HARRIS	08405300010110	$103,963	$0	$0	$35,766	$0	$0	$0	$0	$0	$48,485	$48,485	$0	$48,905	$23,325	$0	$308,927	$0	$0	$14,634	$14,634	$12,300	$12,300	$0	$0	$912	$912	$2,957	$2,957	$0	$0	$909	$761	$2,947	$2,897
CLEAR BROOK CITY MUD WOODMEADOWS	HARRIS	HARRIS	08406300010110	$0	$0	$0	$0	$29,328	$0	$32,020	$0	$0	$0	$0	$21,644	$6,761	$0	$89,549	$0	$1,849	$7,807	$4,106	$0	$0	$0	$1,809	$3,818	$3,818	$3,818	$3,818	$0	$1,376	$2,799	$2,799	$2,799	$2,799
CLEAR LAKE SHORES	SAN JACINTO-BRAZOS	GALVESTON	08076400008411	$87,443	$30,868	$30,074	$637,414	$64,029	$0	$69,897	$0	$0	$48,485	$48,485	$0	$321,904	$109,323	$0	$1,447,923	$17,050	$124,324	$109,186	$1,913	$0	$0	$8,338	$45,882	$46,688	$46,688	$46,688	$46,688	$6,114	$5,402	$5,466	$5,419	$5,370	$5,296
CLEVELAND	SAN JACINTO	LIBERTY	08011600014610	$0	$0	$0	$0	$145,061	$0	$158,320	$0	$0	$0	$0	$106,183	$33,449	$0	$443,014	$0	$4,931	$10,478	$10,478	$10,478	$14,792	$23,213	$0	$2,411	$5,124	$7,536	$12,358	$18,889	$0	$1,768	$3,751	$5,525	$9,061	$13,849
CLUTE	SAN JACINTO-BRAZOS	BRAZORIA	08011800002011	$585,504	$0	$0	$200,960	$0	$0	$33,954	$0	$0	$0	$0	$551,503	$177,844	$0	$1,549,765	$0	$300,118	$110,380	$0	$0	$0	$0	$11,541	$13,888	$15,097	$16,774	$21,068	$0	$5,236	$6,973	$7,931	$10,043	$12,676
COLDSPRING	TRINITY	SAN JACINTO	08012200002408	$0	$0	$0	$0	$47,844	$0	$52,212	$0	$0	$0	$0	$35,019	$11,032	$0	$146,107	$0	$4,725	$8,629	$6,164	$3,493	$1,849	$0	$2,311	$4,220	$5,329	$5,928	$6,230	$0	$1,694	$3,094	$3,904	$4,346	$4,567
COLDSPRING	SAN JACINTO	SAN JACINTO	08012200010401	$0	$0	$0	$0	$13,316	$0	$14,530	$0	$0	$0	$0	$9,601	$3,025	$0	$40,063	$0	$1,439	$2,465	$1,644	$822	$411	$0	$1,406	$1,206	$1,507	$1,608	$1,708	$0	$516	$884	$1,105	$1,175	$1,252
CONROE	SAN JACINTO	MONTGOMERY	08013000017010	$21,728,665	$0	$0	$6,990,676	$0	$0	$1,573,787	$0	$0	$48,485	$48,485	$0	$11,048,833	$3,488,445	$0	$46,202,366	$362,681	$1,781,720	$1,950,435	$620,991	$852,507	$1,625,422	$167,883	$405,363	$494,066	$508,966	$636,586	$781,007	$137,754	$315,507	$411,761	$426,790	$571,542	$738,762
CONSOLIDATED WSC	TRINITY	WALKER	08072100002808	$0	$0	$0	$0	$772	$0	$842	$0	$0	$0	$0	$666	$178	$0	$2,357	$0	$205	$205	$0	$0	$0	$0	$0	$100	$100	$100	$100	$0	$74	$74	$74	$74	$74
CONSUMERS WATER INC	SAN JACINTO	HARRIS	08407200010110	$721,239	$0	$0	$247,937	$0	$0	$0	$0	$0	$48,462	$48,462	$0	$339,212	$114,772	$0	$1,520,084	$23,360	$98,801	$57,190	$38,487	$34,059	$35,241	$2,364	$8,253	$11,971	$14,653	$17,532	$20,514	$2,357	$8,250	$11,860	$14,635	$17,508	$20,479
CONSUMERS WATER INC	MONTGOMERY	MONTGOMERY	08407200015401	$0	$0	$0	$0	$304,733	$0	$332,641	$0	$0	$0	$0	$223,030	$70,273	$0	$930,725	$7,807	$18,295	$14,579	$2,790	$7,396	$7,396	$0	$1,909	$3,617	$5,326	$7,536	$9,746	$0	$1,400	$2,652	$3,525	$4,052	$5,292
COUNTY-OTHER	BRAZOS	AUSTIN	08075700800812	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
COUNTY-OTHER	BRAZOS-COLORADO	AUSTIN	08075700800813	$0	$0	$0	$0	$50,930	$0	$55,586	$0	$0	$0	$0	$37,279	$11,743	$0	$155,533	$0	$5,342	$9,245	$5,547	$2,465	$2,671	$0	$2,612	$4,522	$5,329	$5,727	$6,632	$0	$1,915	$3,315	$3,904	$4,195	$4,862
COUNTY-OTHER	COLORADO	AUSTIN	08075700800814	$0	$0	$0	$0	$5,896	$0	$6,439	$0	$0	$0	$0	$4,318	$1,354	$0	$18,007	$0	$411	$1,027	$411	$205	$411	$0	$301	$502	$502	$502	$502	$0	$221	$368	$368	$442	$516
COUNTY-OTHER	SAN JACINTO	HARRIS	08075702002011	$8,278,829	$0	$0	$2,778,547	$0	$0	$1,774,694	$339,302	$2,117,110	$0	$0	$5,350,968	$1,701,459	$0	$22,534,803	$638,283	$1,360,656	$905,391	$273,694	$233,783	$330,336	$105,112	$328,377	$440,052	$495,352	$557,650	$628,936	$116,145	$255,618	$320,660	$346,766	$363,291	$385,906
COUNTY-OTHER	BRAZOS	BRAZORIA	08075702002012	$126,422	$0	$0	$43,482	$0	$0	$0	$1,809	$0	$0	$0	$0	$60,098	$26,951	$0	$355,629	$0	$26,951	$27,510	$2,045	$2,160	$2,569	$0	$2,852	$3,053	$3,605	$4,229	$4,453	$0	$2,848	$3,043	$3,153	$3,134	$3,634
COUNTY-OTHER	BRAZOS-COLORADO	BRAZORIA	08075702002013	$2,118,817	$0	$0	$721,716	$0	$282,301	$78,509	$308,219	$0	$48,462	$48,462	$0	$1,228,341	$394,861	$0	$5,229,693	$258,949	$302,720	$87,102	$71,216	$66,245	$82,013	$41,599	$58,231	$79,920	$96,404	$114,575	$134,238	$43,020	$55,863	$66,692	$73,370	$81,523	$90,681
COUNTY-OTHER	NECHES-TRINITY	CHAMBERS	08075703902807	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
COUNTY-OTHER	TRINITY	CHAMBERS	08075703903608	$0	$64,812	$0	$1,337,587	$148,680	$0	$162,531	$0	$0	$0	$0	$599,763	$188,933	$0	$2,502,306	$39,621	$218,163	$178,542	$0	$0	$0	$0	$19,363	$94,731	$94,715	$94,715	$94,715	$14,217	$6,122	$5,893	$5,664	$5,500	$5,435
COUNTY-OTHER	TRINITY-SAN JACINTO	HARRIS	08075703903609	$0	$0	$0	$723,266	$80,215	$0	$87,581	$0	$0	$0	$0	$324,118	$102,105	$0	$1,352,324	$21,362	$117,904	$96,539	$0	$0	$0	$0	$10,465	$51,144	$51,144	$51,144	$51,144	$7,662	$3,307	$3,274	$3,242	$3,216	$3,243
COUNTY-OTHER	SAN JACINTO	FORT BEND	08075707907915	$0	$943,233	$0	$18,679,957	$373,594	$0	$0	$0	$0	$0	$0	$6,998,874	$2,294,735	$0	$29,290,393	$0	$251,994	$58,675	$433,055	$1,381,443	$2,090,774	$0	$0	$25,268	$218,075	$715,299	$1,230,156	$0	$753	$2,071	$17,042	$55,781	$99,732
COUNTY-OTHER	FORT BEND	FORT BEND	08075707907911	$0	$5,258,985	$0	$69,435,968	$1,231,319	$2,389,551	$1,383,611	$0	$0	$0	$0	$27,894,805	$8,787,222	$0	$116,381,470	$0	$11,299	$29,787	$1,996,916	$5,890,221	$8,188,451	$0	$5,526	$14,566	$1,140,568	$4,170,963	$7,678,752	$0	$4,052	$10,681	$162,333	$428,113	$704,525
COUNTY-OTHER	FORT BEND	FORT BEND	08075707907912	$0	$6,957,436	$0	$86,355,132	$1,622,270	$3,351,513	$1,831,844	$0	$0	$0	$0	$35,059,572	$11,042,216	$0	$146,273,996	$0	$909,368	$1,458,759	$7,052,160	$7,052,160	$10,236,776	$0	$27,445	$535,488	$5,234,573	$15,614,086	$27,993,662	$0	$20,184	$156,211	$817,136	$2,064,471	$3,641,634
COUNTY-OTHER	BRAZOS-COLORADO	FORT BEND	08075707907913	$0	$0	$0	$0	$30,682	$0	$0	$0	$0	$0	$0	$10,739	$3,383	$0	$44,803	$0	$0	$1,608	$2,413	$1,953	$1,494	$0	$0	$6,000	$9,000	$13,298	$14,571	$0	$0	$344	$516	$761	$835
COUNTY-OTHER	NECHES-TRINITY	CHAMBERS	08075708408407	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
COUNTY-OTHER	SAN JACINTO-BRAZOS	GALVESTON	08075708408411	$1,038,345	$905,814	$353,778	$15,603,120	$0	$0	$0	$0	$0	$48,485	$48,485	$0	$6,265,370	$1,981,592	$0	$26,244,987	$0	$2,288,157	$2,288,157	$0	$0	$0	$0	$1,100,598	$1,100,598	$1,100,598	$1,100,598	$1,100,598	$0	$117,210	$116,841	$116,301	$115,638	$114,803
COUNTY-OTHER	TRINITY-SAN JACINTO	HARRIS	08075708410109	$0	$0	$0	$0	$23,462	$0	$25,657	$0	$0	$0	$0	$17,033	$5,387	$0	$71,539	$0	$2,387	$2,967	$0	$0	$0	$0	$1,407	$3,143	$3,143	$3,143	$3,143	$0	$1,572	$1,572	$1,572	$1,572	$1,572
COUNTY-OTHER	SAN JACINTO	HARRIS	08075710110110	$22,479,537	$9,940,632	$7,058,571	$98,125,522	$0	$7,916,755	$0	$0	$0	$48,485	$48,485	$0	$50,932,356	$16,052,266	$0	$212,602,605	$0	$0	$0	$811,456	$7,884,228	$15,942,930	$10,651,437	$0	$0	$514,834	$6,243,432	$16,003,656	$17,513,824	$0	$0	$152,950	$917,170	$1,699,427	$2,097,881
COUNTY-OTHER	SAN JACINTO-BRAZOS	HARRIS	08075710111111	$175,378	$0	$0	$60,265	$0	$0	$46,925	$0	$0	$48,485	$48,485	$0	$98,899	$39,070	$0	$517,461	$39,141	$39,141	$5,974	$5,974	$0	$0	$4,987	$4,987	$27,273	$27,273	$27,273	$0	$4,985	$0	$2,849	$3,326	$1,203	$1,326
COUNTY-OTHER	TRINITY	LEON	08075714514508	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$13,556	$4,270	$0	$17,826	$0	$0	$0	$822	$0	$0	$0	$2,412	$2,412	$2,412	$2,412	$0	$0	$1,479	$1,766	$1,109	$589	$810
COUNTY-OTHER	BRAZOS	LEON	08075714514512	$0	$0	$0	$0	$20,063	$0	$21,895	$0	$0	$0	$0	$14,686	$4,626	$0	$61,270	$0	$4,315	$5,342	$1,027	$0	$0	$0	$2,111	$2,612	$2,612	$2,612	$2,612	$0	$1,547	$1,915	$1,252	$737	$958
COUNTY-OTHER	NECHES	LEON	08075714514606	$0	$0	$0	$0	$103,400	$0	$112,866	$0	$0	$0	$0	$75,698	$23,842	$0	$315,775	$0	$10,067	$10,067	$10,067	$10,067	$10,684	$12,082	$0	$4,423	$4,923	$12,435	$13,435	$13,464	$0	$1,842	$5,451	$5,109	$4,846	$9,872
COUNTY-OTHER	NECHES-TRINITY	LIBERTY	08075714514607	$0	$0	$0	$0	$6,945	$0	$7,578	$0	$0	$0	$0	$5,084	$1,601	$0	$21,209	$0	$205	$616	$822	$822	$822	$0	$100	$301	$502	$703	$904	$0	$74	$221	$368	$516	$663
COUNTY-OTHER	TRINITY	LIBERTY	08075714514608	$0	$0	$0	$0	$1,215,503	$0	$1,333,931	$0	$0	$0	$0	$892,238	$281,064	$0	$3,722,530	$0	$38,538	$116,067	$129,707	$138,538	$162,000	$0	$15,604	$46,958	$78,990	$113,986	$158,324	$0	$11,492	$34,107	$58,122	$84,018	$116,687
COUNTY-OTHER	TRINITY-SAN JACINTO	LIBERTY	08075714514609	$0	$0	$0	$0	$125,778	$0	$137,267	$0	$0	$0	$0	$92,066	$29,002	$0	$384,112	$0	$6,164	$12,327	$12,327	$12,944	$14,996	$0	$3,014	$6,028	$9,043	$12,359	$16,378	$0	$2,210	$4,420	$6,630	$9,061	$12,007
COUNTY-OTHER	SAN JACINTO	LIBERTY	08075714514610	$0	$0	$0	$0	$954,137	$0	$1,041,355	$0	$0	$0	$0	$699,197	$220,259	$0	$2,915,048	$0	$44,742	$94,776	$89,895	$104,422	$121,462	$0	$21,962	$47,429	$82,587	$85,347	$104,406	$0	$15,479	$30,424	$45,962	$62,680	$83,402
COUNTY-OTHER	TRINITY	MADISON	08075715715708	$0	$0	$0	$0	$127,309	$0	$138,951	$0	$0	$0	$0	$93,191	$29,356	$0	$388,808	$0	$12,532	$21,777	$9,245	$0	$0	$0	$6,128	$10,650	$10,650	$10,650	$10,650	$0	$4,494	$7,808	$5,083	$7,367	$12,155
COUNTY-OTHER	BRAZOS	MADISON	08075715715712	$0	$0	$0	$0	$12,347	$0	$13,474	$0	$0	$0	$0	$9,037	$2,847	$0	$37,705	$0	$822	$1,438	$1,027	$1,027	$1,438	$0	$402	$703	$904	$1,206	$1,608	$0	$295	$516	$663	$884	$1,179
COUNTY-OTHER	MONTGOMERY	MONTGOMERY	08075717017010	$25,504,488	$0	$7,765,291	$0	$10,085,904	$9,218,010	$13,481,979	$0	$0	$48,485	$48,485	$0	$25,072,283	$7,000,042	$0	$104,710,767	$711,151	$1,758,598	$2,347,447	$3,028,722	$3,698,926	$4,341,681	$299,971	$701,856	$1,405,904	$2,214,141	$4,753,429	$6,567,738	$293,855	$759,339	$1,269,761	$1,822,742	$2,084,546	$2,253,015
COUNTY-OTHER	TRINITY	POLK	08075718718708	$0	$0	$0	$0	$274,643	$0	$299,798	$0	$0	$0	$0	$201,054	$63,335

WUG Name	wug_basin	WUG County	Annual Costs for Municipal Conservation						Annual Costs for Irrigation Conservation						Project-Specific Annual Costs						Total Annual Cost					
			2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060
ALVIN	SAN JACINTO-BRAZOS	BRAZORIA	$0	$36,210	$46,434	$48,138	$50,481	$53,676	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$36,210	$241,192	$454,324	$660,539	$919,776
AMES	TRINITY	LIBERTY	$0	$1,818	$2,020	$2,222	$2,424	$2,828	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$10,170	$17,963	$20,478	$25,681	$33,395
ANAHUAC	NECHES-TRINITY	CHAMBERS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
ANAHUAC	TRINITY	CHAMBERS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
ANGLETON	SAN JACINTO-BRAZOS	BRAZORIA	$30,033	$30,033	$30,249	$30,459	$31,098	$32,376	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$66,185	$238,865	$214,749	$78,305	$86,850	$110,950
ARCOLA	SAN JACINTO-BRAZOS	FORT BEND	$4,444	$4,848	$5,252	$5,858	$6,262	$7,070	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$4,444	$45,072	$103,148	$96,029	$84,195	$97,146
BACLIFF MUD	SAN JACINTO-BRAZOS	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$290,964	$290,718	$70,508	$70,041	$69,501
BAILEY'S PRAIRIE	SAN JACINTO-BRAZOS	BRAZORIA	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,138	$1,897	$2,041	$2,769	$4,256
BAILEY'S PRAIRIE	BRAZOS	BRAZORIA	$0	$0	$0	$202	$202	$202	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$202	$581	$581
BAYOU VISTA	SAN JACINTO-BRAZOS	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$52,999	$53,331	$11,412	$11,084	$10,937
BAYTOWN	TRINITY-SAN JACINTO	HARRIS	$6,390	$14,058	$15,123	$15,975	$17,046	$18,318	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$6,390	$17,474	$20,437	$20,959	$22,894	$25,249
BAYTOWN	SAN JACINTO	HARRIS	$112,251	$224,502	$225,780	$226,847	$230,810	$236,643	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$112,251	$224,502	$226,437	$229,257	$232,112	$237,902
BAYTOWN	SAN JACINTO	HARRIS	$6,603	$13,418	$13,419	$13,419	$13,632	$14,058	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$6,603	$13,798	$13,798	$13,560	$14,185	$15,371
BEACH CITY	TRINITY-SAN JACINTO	CHAMBERS	$3,030	$4,040	$4,848	$5,656	$6,464	$7,272	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$70,550	$390,778	$439,507	$290,519	$319,446	$357,184
BEACH CITY	TRINITY	CHAMBERS	$0	$0	$0	$0	$0	$1,010	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$12,147	$68,398	$75,816	$48,257	$49,978	$49,416
BEASLEY	BRAZOS	FORT BEND	$0	$202	$202	$202	$202	$202	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$581	$961	$1,515	$2,069	$2,417
BEASLEY	BRAZOS-COLORADO	FORT BEND	$0	$1,010	$1,212	$1,414	$1,616	$1,818	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$5,185	$10,328	$13,578	$18,703	$25,138
BELLAIRE	SAN JACINTO	HARRIS	$50,481	$53,889	$57,510	$61,133	$64,965	$69,225	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$335,221	$396,985	$242,209	$261,373	$275,514	$296,890
BELLVILLE	BRAZOS	AUSTIN	$0	$27,368	$30,788	$32,693	$33,588	$35,143	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$135,354	$229,702	$189,553	$171,073	$182,892
BLUE BELL MANOR UTILITY COMPANY	SAN JACINTO	HARRIS	$6,464	$6,262	$6,262	$6,060	$6,060	$6,060	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$59,585	$143,938	$134,169	$87,754	$77,113	$77,113
BOLIVAR PENINSULAR SUD	NECHES-TRINITY	GALVESTON	$20,837	$22,392	$23,014	$23,325	$23,325	$23,636	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$20,837	$22,392	$23,014	$23,325	$23,325	$23,636
BRAZORIA	BRAZOS	BRAZORIA	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$35,372	$35,372	$35,372	$5,086	$5,086
BRAZORIA	BRAZOS-COLORADO	BRAZORIA	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
BRAZORIA COUNTY MUD #1	SAN JACINTO-BRAZOS	BRAZORIA	$0	$22,392	$29,545	$35,454	$41,985	$49,136	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$136,038	$275,677	$335,602	$398,764	$477,372
BRAZORIA COUNTY MUD #2	BRAZOS	BRAZORIA	$0	$29,545	$37,942	$45,711	$53,803	$62,511	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$173,316	$345,373	$421,723	$500,374	$595,740
BRAZORIA COUNTY MUD #3	SAN JACINTO-BRAZOS	BRAZORIA	$0	$16,172	$21,148	$25,502	$30,167	$35,143	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$98,458	$198,579	$241,433	$287,099	$343,778
BRAZORIA COUNTY MUD #4	SAN JACINTO-BRAZOS	BRAZORIA	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
BRAZORIA COUNTY MUD #5	SAN JACINTO-BRAZOS	BRAZORIA	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
BRITMOORE UTILITIES	SAN JACINTO	HARRIS	$5,252	$6,262	$7,070	$7,878	$8,686	$9,696	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$37,077	$85,113	$81,849	$63,153	$60,997	$65,155
BROOKSHIRE	BRAZOS	WALLER	$0	$15,554	$19,282	$23,325	$27,990	$33,895	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$62,604	$134,614	$189,796	$251,513	$326,094
BROOKSIDE VILLAGE	SAN JACINTO-BRAZOS	BRAZORIA	$0	$3,232	$3,636	$3,839	$4,244	$4,648	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$8,544	$18,443	$24,876	$30,774	$38,772
BUFFALO	TRINITY	LEON	$0	$4,242	$4,444	$4,444	$4,444	$4,444	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$17,907	$24,562	$16,872	$13,010	$13,231
BUNKER HILL VILLAGE	SAN JACINTO	HARRIS	$27,990	$27,678	$27,368	$27,057	$27,057	$27,057	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$130,734	$130,202	$50,336	$49,902	$49,728	$49,728
CANDLELIGHT HILLS SUBDIVISION	SAN JACINTO	HARRIS	$5,050	$5,858	$6,868	$7,676	$8,686	$9,494	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$35,890	$82,354	$80,029	$62,756	$60,804	$65,054
CENTERVILLE	TRINITY	LEON	$0	$2,222	$2,424	$2,222	$2,222	$2,222	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$7,538	$10,396	$7,096	$5,511	$5,584
CHIMNEY HILL MUD	SAN JACINTO	HARRIS	$0	$8,086	$11,507	$11,507	$11,196	$11,196	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$8,086	$27,962	$27,814	$29,400	$29,350
CLEAR BROOK CITY MUD WOODMEADOWS	SAN JACINTO	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$6,833	$14,424	$10,729	$6,613	$6,617
CLEAR LAKE SHORES	SAN JACINTO-BRAZOS	GALVESTON	$3,232	$3,232	$3,232	$3,232	$3,232	$3,232	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$34,734	$178,840	$164,574	$57,252	$55,290	$55,210
CLEVELAND	SAN JACINTO	LIBERTY	$0	$7,464	$15,861	$23,325	$27,057	$28,301	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$16,574	$35,220	$46,864	$63,268	$84,254
CLUTE	SAN JACINTO-BRAZOS	BRAZORIA	$7,242	$14,271	$17,040	$17,466	$18,318	$19,170	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$7,242	$110,088	$134,106	$62,631	$62,383	$79,256
COLDSPRING	TRINITY	SAN JACINTO	$0	$2,020	$2,222	$2,424	$2,424	$2,424	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$10,750	$18,165	$17,817	$16,191	$15,070
COLDSPRING	SAN JACINTO	SAN JACINTO	$0	$606	$606	$606	$606	$606	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,263	$5,161	$4,863	$4,215	$3,977
CONROE	SAN JACINTO	MONTGOMERY	$152,082	$197,022	$250,062	$310,341	$389,790	$484,145	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$820,400	$2,699,614	$3,106,322	$1,867,088	$2,450,425	$3,629,339
CONSOLIDATED WSC	TRINITY	WALKER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$379	$100	$100	$100	$100
CONSUMERS WATER INC	SAN JACINTO	HARRIS	$7,464	$9,641	$12,129	$14,306	$16,483	$18,971	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$35,548	$84,947	$93,056	$82,080	$85,583	$95,201
CONSUMERS WATER INC	SAN JACINTO	MONTGOMERY	$4,040	$4,354	$5,598	$6,842	$8,798	$10,885	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$18,467	$38,137	$52,073	$65,962	$89,784	$118,895
COUNTY-OTHER	BRAZOS	AUSTIN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
COUNTY-OTHER	BRAZOS-COLORADO	AUSTIN	$0	$3,434	$3,636	$3,838	$3,838	$3,838	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$13,303	$20,718	$18,614	$16,229	$18,003
COUNTY-OTHER	COLORADO	AUSTIN	$0	$404	$404	$404	$404	$404	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,542	$2,361	$1,685	$1,654	$2,034
COUNTY-OTHER	SAN JACINTO-BRAZOS	BRAZORIA	$112,918	$123,926	$137,158	$148,268	$161,600	$176,144	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$972,457	$2,068,478	$1,803,269	$1,264,081	$1,316,324	$1,521,323
COUNTY-OTHER	BRAZOS	BRAZORIA	$1,414	$1,414	$1,616	$1,616	$1,616	$1,818	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,414	$33,438	$35,223	$10,458	$11,419	$12,543
COUNTY-OTHER	BRAZOS-COLORADO	BRAZORIA	$47,476	$50,298	$53,328	$55,550	$58,580	$61,812	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$391,038	$467,098	$287,042	$296,540	$320,922	$368,739
COUNTY-OTHER	NECHES-TRINITY	CHAMBERS	$606	$606	$606	$404	$404	$404	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$606	$606	$606	$404	$404	$404
COUNTY-OTHER	TRINITY	CHAMBERS	$2,828	$2,626	$2,626	$2,424	$2,424	$2,424	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$76,029	$321,626	$281,776	$102,803	$102,639	$102,574
COUNTY-OTHER	TRINITY-SAN JACINTO	CHAMBERS	$1,818	$1,818	$1,616	$1,616	$1,616	$1,414	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$41,286	$174,170	$152,573	$56,001	$55,936	$55,709
COUNTY-OTHER	SAN JACINTO	FORT BEND	$1,212	$1,010	$1,212	$6,868	$21,412	$37,876	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,212	$33,025	$87,824	$675,038	$2,174,039	$3,508,664
COUNTY-OTHER	SAN JACINTO-BRAZOS	FORT BEND	$5,656	$5,252	$4,242	$46,056	$138,774	$241,592	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$5,656	$26,129	$59,276	$3,345,874	$10,628,076	$16,763,320
COUNTY-OTHER	BRAZOS	FORT BEND	$0	$12,322	$54,338	$109,272	$215,736	$343,607	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$116,153	$1,555,413	$6,118,738	$13,787,033	$20,859,741
COUNTY-OTHER	BRAZOS-COLORADO	FORT BEND	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$7,952	$11,929	$16,000	$16,909
COUNTY-OTHER	NECHES-TRINITY	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
COUNTY-OTHER	SAN JACINTO-BRAZOS	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,505,995	$3,505,596	$1,216,899	$1,216,236	$1,215,401
COUNTY-OTHER	TRINITY-SAN JACINTO	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$14,768	$14,139	$11,143	$11,143
COUNTY-OTHER	SAN JACINTO	HARRIS	$0	$0	$166,246	$381,780	$676,700	$988,184	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,645,489	$15,426,610	$34,322,713	$31,251,329
COUNTY-OTHER	SAN JACINTO-BRAZOS	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$49,113	$44,128	$36,096	$34,573	$28,476	$26,599
COUNTY-OTHER	TRINITY	LEON	$0	$4,040	$4,848	$3,030	$1,616	$2,222	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$11,612	$13,958	$7,369	$4,611	$5,444
COUNTY-OTHER	BRAZOS	LEON	$0	$4,242	$4,646	$3,434	$2,020	$2,626	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$12,214	$14,515	$8,325	$5,369	$6,199
COUNTY-OTHER	NECHES	LIBERTY	$0	$2,020	$2,222	$2,828	$3,030	$3,233	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$11,510	$20,822	$25,579	$31,100	$38,894
COUNTY-OTHER	NECHES-TRINITY	LIBERTY	$0	$202	$202	$202	$202	$202	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$581	$1,340	$1,894	$2,243	$2,591
COUNTY-OTHER	TRINITY	LIBERTY	$0	$34,846	$39,582	$42,420	$46,662	$51,914	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$84,131	$214,053	$309,305	$383,088	$489,672
COUNTY-OTHER	TRINITY-SAN JACINTO	LIBERTY	$0	$2,424	$2,828	$3,030	$3,434	$3,838	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$13,812	$25,604	$31,030	$37,798	$47,221
COUNTY-OTHER	SAN JACINTO	LIBERTY	$0	$18,766	$19,190	$21,412	$24,038	$27,270	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$96,403	$175,813	$214,949	$251,969	$328,747
COUNTY-OTHER	TRINITY	MADISON	$0	$10,504	$10,708	$10,908	$11,110	$11,514	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$33,658	$50,941	$35,888	$29,127	$52,367
COUNTY-OTHER	BRAZOS	MADISON	$0	$808	$1,212	$1,212	$1,414	$1,414	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$2,327	$3,869	$3,806	$4,531	$5,639
COUNTY-OTHER	SAN JACINTO	MONTGOMERY	$256,944	$304,616	$430,462	$581,559	$800,324	$1,054,642	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,561,917	$3,524,768	$5,907,591	$8,647,163	$11,337,224	$14,206,883
COUNTY-OTHER	TRINITY	POLK	$0	$18,382	$19,594	$20,200	$21,008	$22,220	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$45,331	$66,660	$71,660	$94,220	$121,593
COUNTY-OTHER	TRINITY	SAN JACINTO	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$66,006	$101,688	$55,346	$29,334	$26,903
COUNTY-OTHER	SAN JACINTO	SAN JACINTO	$0	$10,908	$11,719	$12,322	$12,524	$12,726	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$51,135	$81,548	$75,185	$68,099	$65,978
COUNTY-OTHER	TRINITY	TRINITY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$12,141	$13,298	$5,680	$3,517	$3,517
COUNTY-OTHER	TRINITY	WALKER	$0	$202	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$581	$305	$100	$100	$100
COUNTY-OTHER	SAN JACINTO	WALKER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
COUNTY-OTHER	SAN JACINTO	WALLER	$0	$11,312	$13,736	$16,160	$19,392	$23,230	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$76,559	$160,133	$206,120	$276,811	$363,287
COUNTY-OTHER	BRAZOS	WALLER	$0	$4,646	$8,484	$8,888	$9,696	$10,706	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$4,646	$19,113	$13,561	$55,566	$79,338
CROSBY MUD	SAN JACINTO	HARRIS	$0	$0	$0	$0	$0	$3,421	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$5,314	$10,249	$7,373	$4,702	$8,123
CRYSTAL SPRINGS WATER COMPANY	SAN JACINTO	HARRIS	$202	$404	$404	$404	$606	$606	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$10,331	$12,904	$4,406	$3,811	$3,962	$4,258
CRYSTAL SPRINGS WATER COMPANY	SAN JACINTO	MONTGOMERY	$11,136	$13,062	$17,416	$22,392	$29,545	$37,631	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$50,286	$110,578	$162,811	$224,121	$328,650	$446,417
CUT AND SHOOT	SAN JACINTO	MONTGOMERY	$2,424	$2,626	$3,232	$3,838	$4,848	$5,858	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$16,089	$35,270	$82,622	$73,945	$43,869	$63,479
DAISETTA	NECHES	LIBERTY	$0	$202	$404	$606	$808	$1,010	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$581	$1,163	$1,744	$1,719	$2,849
DAISETTA	TRINITY	LIBERTY	$0	$404	$606	$808	$1,010	$1,212	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,163	$1,744	$1,916	$3,051	$4,565
DANBURY	SAN JACINTO-BRAZORIA	BRAZORIA	$0	$2,222	$2,626	$2,626	$2,828	$3,030	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$2,222	$5,283	$7,943	$10,889	$14,958
DAYTON	TRINITY	LIBERTY	$0	$40,119	$47,272	$54,114	$62,200	$71,530	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$200,406	$355,838	$416,298	$507,027	$629,074
DEER PARK	SAN JACINTO	HARRIS	$24,708	$43,878	$44,091	$44,304	$45,369	$46,641	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$24,708	$43,878	$44,859	$45,063	$45,713	$46,995
DEER PARK	SAN JACINTO-BRAZOS	HARRIS	$37,701	$67,308	$67,734	$68,160	$69,438	$71,355	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$37,701	$67,687	$68,493	$68,713	$69,788	$71,703
DICKINSON	SAN JACINTO-BRAZOS	GALVESTON	$41,748	$46,221	$48,351	$48,990	$49,416	$50,055	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$226,364	$355,516	$287,151	$173,030	$159,208	$162,953
EAST PLANTATION UD	SAN JACINTO	MONTGOMERY	$5,252	$6,262	$6,262	$6,272	$10,709	$13,938	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$36,375	$83,302	$193,956	$181,996	$134,353	$134,503
EL DORADO UD	SAN JACINTO	HARRIS	$2,799	$9,330	$9,952	$10,885	$11,507	$12,440	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$52,127	$132,611	$136,144	$111,092	$111,253	$121,667
EL LAGO	SAN JACINTO-BRAZOS	HARRIS	$6,060	$6,858	$6,858	$6,656	$6,656	$6,656	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$63,989	$68,139	$24,748	$23,669	$22,520	$23,061
FAIRCHILDS	BRAZOS	FORT BEND	$0	$5,858	$7,272	$8,888	$10,908	$13,332	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$179,771	$499,429	$561,067	$586,591	$742,411
FIRST COLONY MUD #9	BRAZOS	FORT BEND	$0	$26,439	$27,057	$27,992	$28,926	$30,078	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$155,909	$262,933	$229,173	$171,782	$146,306
FLO COMMUNITY WSC	TRINITY	LEON	$0	$9,641	$10,574	$10,574	$10,261	$10,574	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$50,247	$71,298	$49,029	$36,721	$37,621
FORT BEND COUNTY MUD #106	BRAZOS	FORT BEND	$0	$10,708	$10,708	$10,708	$10,708	$10,708	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$80,764	$173,628	$143,356	$97,175	$78,473
FORT BEND COUNTY MUD #108	BRAZOS	FORT BEND	$0	$6,464	$6,464	$6,464	$6,464	$6,464	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$43,407	$77,098	$47,087	$21,798	$21,798
FORT BEND COUNTY MUD #111	BRAZOS	FORT BEND	$0	$14,306	$14,306	$14,306	$14,306	$14,306	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$84,380	$146,161	$96,002	$49,295	$47,874
FORT BEND COUNTY MUD #23	SAN JACINTO-BRAZOS	FORT BEND	$15,123	$30,033	$30,033	$30,033	$30,033	$30,033	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$15,123	$205,297	$344,176	$288,059	$201,124	$159,009
FORT BEND COUNTY MUD #25	SAN JACINTO-BRAZOS	FORT BEND	$21,513	$30,033	$40,683	$51,333	$65,817	$82,431	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$21,513	$364,599	$1,758,049	$2,719,189	$3,155,970	$4,018,014
FORT BEND COUNTY MUD #67	BRAZOS	FORT BEND	$0	$15,238	$15,238	$14,928	$14,928	$14,928	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$89,368	$154,835	$101,572	$52,118	$50,424
FORT BEND COUNTY MUD #68	BRAZOS	FORT BEND	$0	$11,196	$11,196	$11,196	$11,196	$11,196	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$67,707	$112,277	$73,829	$39,338	$36,859
FORT BEND COUNTY MUD #69	BRAZOS	FORT BEND	$0	$5,454	$5,252	$5,252	$5,252	$5,252	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$52,860	$85,029	$54,852	$29,189	$25,687
FORT BEND COUNTY MUD #81	BRAZOS	FORT BEND	$8,686	$11,514	$15,150	$18,786	$23,634	$29,088	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$8,686	$362,986	$1,031,417	$1,221,285	$1,337,293	$1,695,172
FOUNTAINVIEW SUBDIVISION	HARRIS	HARRIS	$3,838	$4,448	$4,

Region H

Table 4C-2: WUG-Level Project Costs

WUG Name	wug_basin	WUG County	WUG-County-Basin Identifier	Pump Stations: Booster Pump Stations	Pump Stations: Raw Water Pump Stations	Connection Costs: Pipeline Connections	Treatment Plants: Surface Water Treatment Plants	Treatment Plants: Groundwater Treatment Plants	Treatment Plants: Direct Reuse Plants	Wells: Municipal Supply Wells	Wells: Agricultural Wells	Other Capital Costs: Land and Easements	Other Capital Costs: Mitigation	Other Capital Costs: Capital Costs for Irrigation Conservation	Other Capital Costs: Engineering, Contingencies, Financial and Legal Services	Other Capital Costs: Interest During Construction	Other Capital Costs: Project-Specific Capital Costs	Other Capital Costs: Total Capital Cost	Debt Service 2010	Debt Service 2020	Debt Service 2030	Debt Service 2040	Debt Service 2050	Debt Service 2060	Operations and Maintenance 2010	Operations and Maintenance 2020	Operations and Maintenance 2030	Operations and Maintenance 2040	Operations and Maintenance 2050	Operations and Maintenance 2060	Energy 2010	Energy 2020	Energy 2030	Energy 2040	Energy 2050	Energy 2060
HUNTSVILLE	TRINITY	WALKER	08029200023609	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
HUNTSVILLE	SAN JACINTO	WALKER	08029200023610	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IOWA COLONY	SAN JACINTO-BRAZOS	BRAZORIA	08038500020011	$0	$0	$0	$0	$30,096	$0	$32,843	$0	$0	$0	$0	$22,028	$6,539	$0	$91,906	$0	$0	$2,260	$3,463	$3,688	$3,904	$0	$0	$301	$1,109	$2,010	$2,914	$3,918	$0	$221	$810	$1,473	$2,136	$2,873
IRRIGATION	BRAZOS	AUSTIN	08100400800812	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	BRAZOS-COLORADO	AUSTIN	08100400800813	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO-BRAZOS	BRAZORIA	08100402002011	$0	$0	$0	$0	$0	$0	$2,330,305	$0	$0	$0	$183,981	$815,608	$131,090	$0	$3,460,989	$0	$0	$285,704	$285,704	$0	$0	$0	$0	$32,770	$32,770	$32,770	$32,770	$0	$0	$77,725	$34,458	$31,299	$4,397
IRRIGATION	BRAZOS	BRAZORIA	08100402002012	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$6,140	$0	$0	$0	$6,140	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	BRAZOS-COLORADO	BRAZORIA	08100402002013	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$8,134	$0	$0	$0	$8,134	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	NECHES-TRINITY	CHAMBERS	08100403603607	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$197,489	$0	$0	$0	$197,489	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	TRINITY	CHAMBERS	08100403603608	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$77,654	$0	$0	$0	$77,654	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	TRINITY-SAN JACINTO	CHAMBERS	08100403603609	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$4,187	$0	$0	$0	$4,187	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO	FORT BEND	08100407907912	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO-BRAZOS	FORT BEND	08100407907911	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$37,427	$0	$0	$0	$37,427	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	BRAZOS	FORT BEND	08100407907912	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$19,116	$0	$0	$0	$19,116	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	BRAZOS-COLORADO	FORT BEND	08100407907913	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$5,168	$0	$0	$0	$5,168	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO-BRAZOS	GALVESTON	08100408048411	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$29,422	$0	$0	$0	$29,422	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	TRINITY-SAN JACINTO	HARRIS	08100410110109	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO	HARRIS	08100410110110	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	NECHES	LIBERTY	08100414614609	$0	$0	$0	$0	$0	$0	$38,204	$0	$0	$0	$7,548	$13,398	$2,154	$0	$61,385	$0	$722	$1,444	$1,364	$1,364	$2,589	$0	$93	$166	$242	$324	$538	$0	$196	$393	$0.73	$709	$1,277
IRRIGATION	NECHES-TRINITY	LIBERTY	08100414614607	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$18,876	$0	$0	$0	$18,876	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	TRINITY	LIBERTY	08100414614608	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$120,774	$0	$0	$0	$120,774	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	TRINITY-SAN JACINTO	LIBERTY	08100414614609	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$39,631	$0	$0	$0	$39,631	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO	LIBERTY	08100414614610	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,889	$0	$0	$0	$1,889	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	TRINITY	MADISON	08100415715708	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO	MONTGOMERY	08100417017010	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	TRINITY	TRINITY	08100422822808	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	TRINITY	WALKER	08100423623608	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO	WALKER	08100423623610	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO	WALLER	08100423723710	$0	$0	$0	$0	$0	$0	$232,638	$0	$0	$0	$0	$81,423	$13,087	$0	$327,148	$0	$28,522	$28,522	$0	$0	$0	$0	$3,271	$3,271	$3,271	$3,271	$0	$7,759	$0	$213	$0	$0	$0
IRRIGATION	BRAZOS	WALLER	08100423723712	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	TRINITY	LEON	08100445145408	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO	SAN JACINTO	08100420420408	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
JACINTO CITY	HARRIS	HARRIS	08030100501015	$93,569	$0	$32,189	$0	$16,973	$0	$18,527	$0	$48,485	$48,485	$0	$56,442	$25,699	$0	$340,374	$0	$1,849	$4,520	$2,671	$13,153	$25,158	$0	$904	$2,211	$2,211	$2,876	$4,872	$0	$663	$1,621	$1,621	$2,284	$4,273
JAMAICA BEACH	SAN JACINTO-BRAZOS	GALVESTON	08088600008411	$0	$0	$0	$0	$5,402	$0	$5,896	$0	$0	$0	$0	$3,954	$1,246	$0	$16,496	$0	$822	$1,438	$616	$0	$0	$0	$402	$703	$703	$703	$0	$296	$516	$516	$516	$516
JERSEY VILLAGE	SAN JACINTO	HARRIS	08070900020110	$1,378,656	$0	$473,250	$0	$0	$0	$3,360	$0	$48,485	$48,485	$0	$648,167	$212,101	$0	$2,809,145	$0	$62,728	$122,022	$100,003	$80,853	$82,172	$0	$8,911	$18,768	$25,538	$32,210	$39,179	$0	$8,938	$18,834	$25,611	$32,256	$39,238
JEWETT	TRINITY	LEON	08087700014508	$0	$0	$0	$0	$31,638	$0	$34,527	$0	$0	$0	$0	$23,158	$7,295	$0	$96,618	$0	$5,342	$8,424	$3,082	$0	$0	$0	$2,612	$4,120	$4,120	$4,120	$4,120	$0	$1,915	$3,020	$2,947	$2,726	$2,873
JEWETT	BRAZOS	LEON	08087700014512	$0	$0	$0	$0	$10,043	$0	$10,940	$0	$0	$0	$0	$7,313	$2,313	$0	$30,630	$0	$1,849	$2,671	$822	$0	$0	$0	$904	$1,306	$1,306	$1,306	$1,306	$0	$603	$958	$958	$864	$958
JONES CREEK	BRAZOS-COLORADO	BRAZORIA	08030800020012	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
KATY	SAN JACINTO	FORT BEND	08312100007910	$0	$0	$0	$0	$589,031	$0	$643,386	$0	$0	$0	$0	$431,346	$135,879	$0	$1,799,642	$13,970	$48,875	$59,142	$46,010	$50,319	$62,016	$6,831	$23,892	$35,742	$46,388	$60,344	$76,704	$5,009	$17,532	$26,226	$34,033	$44,273	$56,286
KATY	SAN JACINTO	HARRIS	08312100031016	$0	$0	$0	$0	$3,867,194	$0	$4,443,067	$0	$0	$0	$0	$2,908,591	$916,244	$0	$12,135,096	$153,317	$486,547	$511,902	$309,435	$259,015	$262,011	$74,140	$229,447	$315,489	$378,885	$441,107	$505,982	$55,691	$181,363	$246,557	$293,892	$340,255	$388,657
KATY	SAN JACINTO	WALLER	08312100023710	$0	$0	$0	$0	$745,877	$0	$815,180	$0	$0	$0	$0	$546,370	$172,114	$0	$2,279,540	$13,353	$52,974	$70,629	$63,248	$70,220	$82,518	$6,530	$25,893	$41,051	$56,810	$75,372	$97,134	$4,788	$19,006	$30,126	$41,694	$55,322	$71,308
KEMAH	SAN JACINTO-BRAZOS	GALVESTON	08316100008411	$316,519	$0	$108,691	$0	$131,782	$0	$144,906	$0	$48,485	$48,485	$0	$245,348	$85,207	$0	$1,128,519	$35,111	$91,712	$61,052	$5,460	$1,485	$1,189	$17,167	$25,657	$25,791	$25,964	$26,161	$12,597	$6,202	$9,159	$9,331	$9,405	$9,528
KENEFICK	TRINITY	LIBERTY	08103300014608	$0	$0	$0	$0	$68,679	$0	$74,849	$0	$0	$0	$0	$50,270	$15,836	$0	$209,734	$0	$3,698	$6,985	$6,575	$6,985	$8,013	$0	$1,809	$3,416	$5,024	$6,833	$8,943	$0	$1,329	$2,505	$3,683	$5,009	$6,556
LA MARQUE	SAN JACINTO-BRAZOS	GALVESTON	08042300008411	$1,132,025	$0	$385,220	$0	$0	$0	$0	$0	$48,485	$48,485	$0	$531,072	$175,214	$0	$2,320,604	$0	$202,321	$202,321	$0	$0	$0	$0	$32,154	$32,154	$32,154	$32,154	$32,154	$0	$32,154	$32,560	$31,971	$31,746	$32,325
LA PORTE	SAN JACINTO-BRAZOS	HARRIS	08034600010111	$0	$0	$0	$0	$54,786	$0	$59,791	$0	$0	$0	$0	$40,102	$12,633	$0	$167,312	$0	$6,780	$14,587	$7,807	$0	$0	$0	$3,318	$7,134	$7,134	$7,134	$7,134	$0	$2,431	$5,230	$5,230	$5,230	$5,230
LA PORTE	SAN JACINTO	HARRIS	08034600010116	$0	$0	$0	$0	$3,360	$0	$3,683	$0	$0	$0	$0	$2,470	$712	$0	$9,426	$0	$411	$822	$411	$0	$0	$0	$201	$402	$402	$402	$402	$0	$147	$295	$295	$295	$295
LAKE JACKSON	SAN JACINTO-BRAZOS	BRAZORIA	08038800020011	$2,886,070	$0	$987,500	$0	$460,637	$0	$438,749	$0	$96,941	$96,941	$0	$1,649,535	$535,460	$0	$7,091,843	$117,728	$375,752	$307,134	$102,212	$117,613	$140,335	$18,062	$81,429	$98,869	$110,018	$121,206	$134,210	$18,259	$55,660	$69,565	$78,527	$87,809	$98,612
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPA	TRINITY	LIBERTY	08422600014608	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$233,055	$0	$233,055	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPA	TRINITY	POLK	08422600018708	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,912,990	$0	$1,912,990	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPA	SAN JACINTO	SAN JACINTO	08422600020410	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$203,923	$0	$203,923	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPA	SAN JACINTO	SAN JACINTO	08422600020408	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$443,451	$0	$443,451	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPA	TRINITY	TRINITY	08422600022808	$0	$0	$0	$0	$1,543	$0	$1,684	$0	$0	$0	$0	$1,135	$356	$0	$233,055	$237,768	$0	$411	$411	$0	$0	$0	$201	$201	$201	$201	$201	$0	$147	$74	$0	$0	$0
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPA	TRINITY	WALKER	08422600023608	$0	$0	$0	$0	$772	$0	$842	$0	$0	$0	$0	$565	$178	$0	$2,357	$3,914	$0	$205	$205	$0	$0	$0	$100	$100	$100	$100	$100	$0	$74	$74	$74	$74	$74
LEAGUE CITY	SAN JACINTO-BRAZOS	GALVESTON	08035000018411	$5,357,204	$0	$1,758,104	$0	$1,762,216	$0	$2,387,431	$0	$48,485	$48,485	$0	$3,942,735	$1,249,932	$0	$16,554,594	$528,299	$1,353,193	$892,909	$74,838	$14,090	$15,275	$234,455	$371,010	$382,320	$383,454	$384,662	$385,993	$208,840	$162,210	$176,673	$177,803	$179,006	$180,332
LEAGUE CITY	SAN JACINTO-BRAZOS	HARRIS	08035000010111	$13,878	$0	$4,776	$0	$11,575	$0	$12,632	$0	$48,485	$48,485	$0	$15,001	$12,645	$0	$167,477	$3,082	$14,453	$11,371	$0	$148	$148	$1,507	$1,977	$1,977	$1,977	$1,977	$1,902	$1,902	$1,105	$368	$368	$368	$393	$393
LIBERTY	TRINITY	LIBERTY	08035564608	$0	$0	$0	$0	$91,824	$0	$100,114	$0	$0	$0	$0	$67,213	$21,173	$0	$280,423	$0	$3,664	$4,725	$3,287	$0	$1,451	$0	$1,497	$2,311	$3,416	$4,521	$5,626	$0	$1,326	$1,694	$2,525	$5,081	$8,795
LIVESTOCK	BRAZOS	AUSTIN	08100500800812	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS-COLORADO	AUSTIN	08100500800813	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	COLORADO	AUSTIN	08100500800814	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO-BRAZOS	BRAZORIA	08100502002011	$0	$0	$0	$0	$0	$0	$19,613	$0	$0	$0	$0	$6,871	$1,104	$0	$27,608	$0	$2,407	$2,407	$0	$0	$0	$0	$276	$276	$276	$276	$276	$0	$655	$442	$442	$442	$442
LIVESTOCK	BRAZOS	BRAZORIA	08100502002012	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS-COLORADO	BRAZORIA	08100502002013	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	NECHES-TRINITY	CHAMBERS	08100503603607	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY	CHAMBERS	08100503603608	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY-SAN JACINTO	CHAMBERS	08100503603609	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO	FORT BEND	08100507907910	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO-BRAZOS	FORT BEND	08100507907911	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS	FORT BEND	08100507907912	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS-COLORADO	FORT BEND	08100507907913	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	NECHES-TRINITY	GALVESTON	08100508048407	$0	$0	$0	$0	$0	$0	$6,871	$0	$0	$0	$0	$2,405	$387	$0	$9,662	$842	$842	$0	$0	$0	$0	$0	$97	$97	$97	$97	$97	$0	$229	$229	$229	$229	$229	$229
LIVESTOCK	SAN JACINTO-BRAZOS	GALVESTON	08100508048411	$0	$0	$0	$0	$0	$0	$12,791	$0	$0	$0	$0	$4,468	$718	$0	$17,945	$0	$602	$1,565	$963	$0	$0	$0	$68	$178	$178	$178	$178	$0	$164	$426	$426	$426	$426
LIVESTOCK	TRINITY-SAN JACINTO	HARRIS	08100510110109	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO	HARRIS	08100510110110	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO-BRAZOS	HARRIS	08100510110111	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY	LEON	08100514514508	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS	LEON	08100514514512	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	NECHES	LIBERTY	08100514614606	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	NECHES-TRINITY	LIBERTY	08100514614607	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY	LIBERTY	08100514614608	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY-SAN JACINTO	LIBERTY	08100514614609	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO	LIBERTY	08100514614610	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY	MADISON	08100515715708	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS	MADISON	08100515715712	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO	MONTGOMERY	08100517017010	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY	POLK	08100518718708	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

WUG Name	wug_basin	WUG County	Annual Costs for Municipal Conservation						Annual Costs for Irrigation Conservation						Project-Specific Annual Costs						Total Annual Cost					
			2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060
HUNTSVILLE	TRINITY	WALKER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
HUNTSVILLE	SAN JACINTO	WALKER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IOWA COLONY	SAN JACINTO-BRAZOS	BRAZORIA	$0	$1,414	$1,414	$1,414	$1,616	$1,818	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$2,552	$5,569	$8,356	$10,364	$12,514
IRRIGATION	BRAZOS	AUSTIN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	BRAZOS-COLORADO	AUSTIN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO-BRAZOS	BRAZORIA	$0	$0	$0	$0	$0	$0	$1,734,868	$1,734,868	$1,718,828	$1,718,828	$1,718,828	$1,718,828	$0	$0	$0	$0	$0	$0	$1,734,868	$1,734,868	$2,115,027	$2,071,761	$1,782,897	$1,755,989
IRRIGATION	BRAZOS	BRAZORIA	$0	$0	$0	$0	$0	$0	$57,898	$57,898	$57,363	$57,363	$57,363	$57,363	$0	$0	$0	$0	$0	$0	$57,898	$57,898	$57,363	$57,363	$57,363	$57,363
IRRIGATION	BRAZOS-COLORADO	BRAZORIA	$0	$0	$0	$0	$0	$0	$76,700	$76,700	$75,991	$75,991	$75,991	$75,991	$0	$0	$0	$0	$0	$0	$76,700	$76,700	$75,991	$75,991	$75,991	$75,991
IRRIGATION	NECHES-TRINITY	CHAMBERS	$0	$0	$0	$0	$0	$0	$1,670,977	$1,670,977	$1,653,759	$1,653,759	$1,653,759	$1,653,759	$0	$0	$0	$0	$0	$0	$1,670,977	$1,670,977	$1,653,759	$1,653,759	$1,653,759	$1,653,759
IRRIGATION	TRINITY	CHAMBERS	$0	$0	$0	$0	$0	$0	$657,035	$657,035	$650,269	$650,269	$650,269	$650,269	$0	$0	$0	$0	$0	$0	$657,035	$657,035	$650,269	$650,269	$650,269	$650,269
IRRIGATION	TRINITY-SAN JACINTO	CHAMBERS	$0	$0	$0	$0	$0	$0	$35,425	$35,425	$35,060	$35,060	$35,060	$35,060	$0	$0	$0	$0	$0	$0	$35,425	$35,425	$35,060	$35,060	$35,060	$35,060
IRRIGATION	SAN JACINTO	FORT BEND	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO-BRAZOS	FORT BEND	$0	$0	$0	$0	$0	$0	$341,125	$341,125	$337,862	$337,862	$337,862	$337,862	$0	$0	$0	$0	$0	$0	$341,125	$341,125	$337,862	$337,862	$337,862	$337,862
IRRIGATION	BRAZOS	FORT BEND	$0	$0	$0	$0	$0	$0	$174,232	$174,232	$172,565	$172,565	$172,565	$136,364	$0	$0	$0	$0	$0	$0	$174,232	$174,232	$172,565	$172,565	$162,166	$136,364
IRRIGATION	BRAZOS-COLORADO	FORT BEND	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$10,512	$36,704
IRRIGATION	SAN JACINTO-BRAZOS	GALVESTON	$0	$0	$0	$0	$0	$0	$237,275	$237,275	$234,710	$234,710	$234,710	$234,710	$0	$0	$0	$0	$0	$0	$237,275	$237,275	$234,710	$234,710	$234,710	$234,710
IRRIGATION	TRINITY-SAN JACINTO	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	NECHES	LIBERTY	$0	$0	$0	$0	$0	$0	$84,316	$84,316	$83,658	$83,658	$83,658	$83,658	$0	$0	$0	$0	$0	$0	$84,316	$85,317	$85,661	$85,857	$86,135	$88,061
IRRIGATION	NECHES-TRINITY	LIBERTY	$0	$0	$0	$0	$0	$0	$210,843	$210,843	$209,197	$209,197	$209,197	$209,197	$0	$0	$0	$0	$0	$0	$210,843	$210,843	$209,197	$209,197	$209,197	$209,197
IRRIGATION	TRINITY	LIBERTY	$0	$0	$0	$0	$0	$0	$1,349,069	$1,349,069	$1,338,539	$1,338,539	$1,338,539	$1,338,539	$0	$0	$0	$0	$0	$0	$1,349,069	$1,349,069	$1,338,539	$1,338,539	$1,338,539	$1,338,539
IRRIGATION	TRINITY-SAN JACINTO	LIBERTY	$0	$0	$0	$0	$0	$0	$442,688	$442,688	$439,233	$439,233	$439,233	$439,233	$0	$0	$0	$0	$0	$0	$442,688	$442,688	$439,233	$439,233	$439,233	$439,233
IRRIGATION	SAN JACINTO	LIBERTY	$0	$0	$0	$0	$0	$0	$21,105	$21,105	$20,940	$20,940	$20,940	$20,940	$0	$0	$0	$0	$0	$0	$21,105	$21,105	$20,940	$20,940	$20,940	$20,940
IRRIGATION	TRINITY	MADISON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO	MONTGOMERY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	TRINITY	TRINITY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	TRINITY	WALKER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO	WALKER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	SAN JACINTO	WALLER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$574,090	$574,090	$0	$0	$0	$0	$0	$0	$0	$0	$0	$39,552	$31,798	$3,484	$577,361	$577,361
IRRIGATION	BRAZOS	WALLER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$152,570	$152,570	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$152,570	$152,570
IRRIGATION	TRINITY	LEON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IRRIGATION	TRINITY	SAN JACINTO	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
JACINTO CITY	SAN JACINTO	HARRIS	$0	$0	$12,141	$19,596	$20,663	$21,726	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,416	$20,468	$26,099	$38,973	$56,026
JAMAICA BEACH	SAN JACINTO-BRAZOS	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,519	$2,657	$1,835	$1,219	$1,219
JERSEY VILLAGE	SAN JACINTO	HARRIS	$0	$34,832	$40,119	$45,717	$51,004	$56,603	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$115,423	$199,743	$196,868	$196,357	$217,261
JEWETT	TRINITY	LEON	$0	$2,020	$2,222	$2,222	$2,020	$2,222	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$11,888	$17,788	$12,373	$8,866	$9,215
JEWETT	BRAZOS	LEON	$0	$606	$808	$808	$606	$808	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$4,022	$5,743	$3,954	$2,799	$3,072
JONES CREEK	BRAZOS-COLORADO	BRAZORIA	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
KATY	SAN JACINTO	FORT BEND	$3,836	$5,112	$6,603	$8,094	$10,011	$12,354	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$29,644	$95,411	$127,712	$134,529	$164,947	$207,354
KATY	SAN JACINTO	HARRIS	$43,238	$52,185	$61,344	$70,716	$79,662	$89,247	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$328,451	$949,542	$1,135,258	$1,052,886	$1,120,073	$1,245,878
KATY	SAN JACINTO	WALLER	$3,621	$5,538	$7,455	$9,798	$12,354	$15,549	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$28,292	$103,411	$149,264	$171,550	$213,268	$266,510
KEMAH	SAN JACINTO-BRAZOS	GALVESTON	$3,036	$3,636	$3,838	$4,040	$4,040	$4,040	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$87,899	$128,601	$99,848	$44,825	$40,967	$40,917
KENEFICK	TRINITY	LIBERTY	$0	$1,212	$1,414	$1,616	$1,818	$2,020	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$8,045	$14,320	$16,898	$20,645	$25,532
LA MARQUE	SAN JACINTO-BRAZOS	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$287,428	$267,039	$64,125	$63,388	$62,479
LA PORTE	SAN JACINTO-BRAZOS	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$12,527	$26,951	$20,171	$12,384	$12,364
LA PORTE	SAN JACINTO	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$706	$1,519	$1,108	$697	$697
LAKE JACKSON	SAN JACINTO-BRAZOS	BRAZORIA	$54,315	$58,576	$62,198	$66,030	$70,292	$75,615	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$208,374	$571,447	$537,764	$355,786	$396,919	$448,772
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPA	TRINITY	LIBERTY	$0	$1,491	$1,704	$1,704	$1,917	$2,130	$0	$0	$0	$0	$0	$0	$40,419	$39,858	$20,100	$20,379	$21,496	$22,333	$40,419	$41,349	$21,804	$22,083	$23,413	$24,463
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPA	TRINITY	POLK	$0	$11,502	$13,206	$13,632	$14,058	$14,910	$0	$0	$0	$0	$0	$0	$331,772	$323,913	$158,647	$158,568	$159,405	$161,080	$331,772	$335,415	$172,053	$172,200	$173,463	$175,990
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPA	SAN JACINTO	SAN JACINTO	$1,278	$1,491	$1,704	$1,704	$1,917	$1,917	$0	$0	$0	$0	$0	$0	$35,367	$39,296	$20,379	$20,938	$20,938	$20,656	$36,645	$40,787	$22,083	$22,642	$22,855	$22,573
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPA	TRINITY	SAN JACINTO	$2,769	$3,408	$3,621	$3,834	$4,047	$4,047	$0	$0	$0	$0	$0	$0	$76,908	$84,206	$44,388	$45,505	$45,225	$44,104	$79,677	$87,614	$48,009	$49,339	$49,272	$48,151
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPA	TRINITY	TRINITY	$0	$426	$213	$0	$0	$0	$0	$0	$0	$0	$0	$0	$40,419	$38,173	$17,867	$16,471	$15,075	$13,958	$40,419	$39,358	$18,766	$16,679	$15,276	$14,159
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPA	TRINITY	WALKER	$0	$0	$213	$0	$0	$0	$0	$0	$0	$0	$0	$0	$10,666	$10,105	$4,746	$4,467	$4,188	$4,188	$10,666	$10,105	$5,338	$4,773	$4,288	$4,288
LEAGUE CITY	SAN JACINTO-BRAZOS	GALVESTON	$100,962	$111,899	$117,150	$118,215	$119,280	$120,771	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,072,583	$1,997,812	$1,569,052	$754,310	$697,038	$702,371
LEAGUE CITY	SAN JACINTO-BRAZOS	HARRIS	$426	$426	$426	$426	$426	$426	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$6,120	$17,124	$14,042	$2,671	$2,869	$2,869
LIBERTY	TRINITY	LIBERTY	$0	$5,586	$7,153	$10,574	$21,458	$30,167	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$12,431	$15,883	$19,762	$42,926	$68,352
LIVESTOCK	BRAZOS	AUSTIN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS-COLORADO	AUSTIN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	COLORADO	AUSTIN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO-BRAZOS	BRAZORIA	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,338	$3,126	$718	$718	$718	$718
LIVESTOCK	BRAZOS	BRAZORIA	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS-COLORADO	BRAZORIA	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	NECHES-TRINITY	CHAMBERS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY	CHAMBERS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY-SAN JACINTO	CHAMBERS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO	FORT BEND	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO-BRAZOS	FORT BEND	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS	FORT BEND	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS-COLORADO	FORT BEND	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	NECHES-TRINITY	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,168	$1,168	$326	$326	$326	$326
LIVESTOCK	SAN JACINTO-BRAZOS	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$835	$2,174	$1,568	$609	$609	$609
LIVESTOCK	TRINITY-SAN JACINTO	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO-BRAZOS	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY	LEON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS	LEON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	NECHES	LIBERTY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	NECHES-TRINITY	LIBERTY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY	LIBERTY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY-SAN JACINTO	LIBERTY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO	LIBERTY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY	MADISON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS	MADISON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO	MONTGOMERY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$41,744	$81,972	$83,292	$81,256	$87,672	$93,311
LIVESTOCK	TRINITY	POLK	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$759	$1,138	$1,108	$1,281	$1,455
LIVESTOCK	TRINITY	SAN JACINTO	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO	SAN JACINTO	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY	TRINITY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	TRINITY	WALKER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO	WALKER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	SAN JACINTO	WALLER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LIVESTOCK	BRAZOS	WALLER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
MISSOURI CITY	SAN JACINTO	FORT BEND	$0	$43,239	$51,546	$60,279	$66,669	$81,153	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$43,239	$51,546	$60,279	$66,669	$81,153
MISSOURI CITY	SAN JACINTO-BRAZOS	FORT BEND	$0	$195,321	$233,448	$272,645	$301,821	$366,999	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$195,321	$233,448	$272,645	$301,821	$366,999
MISSOURI CITY	SAN JACINTO	HARRIS	$17,679	$20,874	$24,069	$27,477	$31,098	$34,506	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$17,679	$20,874	$24,069	$27,477	$31,098	$34,506
MISSOURI CITY	BRAZOS	FORT BEND	$0	$5,325	$6,390	$7,455	$8,094	$9,798	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$5,325	$6,390	$7,455	$8,094	$9,798
MONT BELVIEU	TRINITY	CHAMBERS	$7,474	$9,696	$11,918	$13,534	$15,564	$17,372	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$202,151	$1,097,687	$1,200,988	$752,154	$803,170	$876,190
MONT BELVIEU	TRINITY-SAN JACINTO	CHAMBERS	$3,434	$4,646	$5,454	$6,464	$7,272	$8,080	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$80,420	$440,594	$494,088	$325,278	$354,470	$394,827
MONTGOMERY COUNTY MUD #12	SAN JACINTO	MONTGOMERY	$34,832	$44,162	$65,310	$90,190	$123,467	$161,726	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$155,265	$370,810	$699,688	$1,162,955	$1,317,196	$1,216,361

Region H
Table 4C-2: WUG-Level Project Costs

				Pump Stations		Connection Costs	Treatment Plants			Wells			Other Capital Costs					Debt Service				Operations and Maintenance				Energy			
WUG Name	wug_basin	WUG County	WUG-County-Basin Identifier	Booster Pump Stations	Raw Water Pump Stations	Pipeline Connections	Surface Water Treatment Plants	Groundwater Treatment Plants	Direct Reuse Plants	Municipal Supply Wells	Agricultural Wells	Land and Easements	Mitigation	Capital Costs for Irrigation Conservation	Engineering, Contingencies, Financial and Legal Services	Interest During Construction	Project-Specific Capital Costs	Total Capital Cost	2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060
MONTGOMERY COUNTY MUD #11	SAN JACINTO	MONTGOMERY	08426200017010	$352,681	$0	$0	$120,983	$0	$128,836	$0	$140,639	$0	$48,485	$48,485	$0	$260,099	$89,853	$0	$1,190,048	$16,434	$34,306	$87,320	$69,448	$0	$0	$8,039	$16,775	$26,802	$26,802	$26,802	$26,802	$5,893	$12,302	$10,068	$8,306	$8,864	$9,208
MONTGOMERY COUNTY MUD #8	SAN JACINTO	MONTGOMERY	08426300017010	$675,523	$185,200	$231,418	$3,812,841	$123,369	$0	$134,746	$0	$48,485	$48,485	$0	$1,807,011	$577,151	$6,000,000	$13,644,010	$29,367	$361,995	$403,873	$296,137	$230,234	$8,309	$14,356	$149,393	$179,209	$249,062	$249,946	$250,443	$10,534	$13,301	$26,462	$35,457	$36,341	$36,832
MONTGOMERY COUNTY MUD #9	SAN JACINTO	MONTGOMERY	08426400017010	$765,044	$203,052	$262,027	$4,185,132	$155,778	$0	$170,112	$0	$48,485	$48,485	$0	$2,009,389	$640,903	$6,000,000	$14,488,374	$28,341	$354,373	$427,142	$310,854	$278,639	$14,838	$13,857	$146,078	$189,625	$275,096	$277,175	$278,161	$10,166	$13,739	$30,036	$38,658	$40,134	$41,114
MONTGOMERY COUNTY MUD #2	SAN JACINTO	MONTGOMERY	08426500017010	$0	$0	$0	$284,665	$0	$0	$310,745	$0	$0	$0	$0	$0	$208,394	$65,647	$0	$869,450	$19,925	$41,698	$33,278	$19,517	$16,025	$14,587	$9,743	$20,389	$26,019	$29,933	$33,852	$37,067	$7,146	$14,954	$19,079	$21,952	$24,825	$27,192
MONTGOMERY COUNTY MUD #3	SAN JACINTO	MONTGOMERY	08426600017010	$615,702	$0	$211,300	$0	$203,649	$0	$222,322	$0	$48,485	$48,485	$0	$0	$438,541	$146,065	$0	$1,934,549	$16,845	$37,797	$37,386	$95,773	$95,926	$35,093	$8,237	$18,482	$26,518	$38,190	$40,947	$44,024	$6,041	$13,554	$19,448	$31,733	$34,487	$37,557
MONTGOMERY COUNTY MUD #4	SAN JACINTO	MONTGOMERY	08426700017010	$683,814	$0	$234,104	$0	$348,378	$0	$380,642	$0	$48,485	$48,485	$0	$0	$676,426	$189,501	$0	$2,509,830	$34,290	$72,473	$68,522	$134,624	$121,259	$11,716	$16,761	$35,424	$45,367	$52,855	$64,014	$64,812	$12,353	$25,004	$33,297	$37,686	$18,834	$19,619
MONTGOMERY COUNTY WCID #1	SAN JACINTO	MONTGOMERY	08426800017010	$0	$0	$0	$462,773	$0	$505,277	$0	$0	$0	$0	$0	$338,819	$106,732	$0	$1,413,605	$17,256	$38,823	$38,618	$34,717	$40,671	$49,704	$8,438	$18,984	$27,321	$35,960	$47,208	$60,261	$6,188	$13,923	$20,037	$26,372	$34,623	$44,196
NASSAU BAY	SAN JACINTO-BRAZOS	HARRIS	08042400010011	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
NEEDVILLE	BRAZOS	FORT BEND	08042800007912	$0	$0	$0	$246,881	$0	$269,481	$0	$0	$0	$0	$0	$180,727	$56,931	$0	$0	$754,020	$0	$8,834	$19,928	$22,393	$27,118	$34,511	$0	$4,320	$9,746	$15,271	$23,007	$32,147	$0	$3,168	$7,146	$11,197	$16,899	$23,573
NEEDVILLE	BRAZOS-COLORADO	FORT BEND	08042800007913	$0	$0	$0	$298,541	$0	$325,902	$0	$0	$0	$0	$0	$218,556	$68,848	$0	$911,846	$10,889	$24,742	$27,118	$32,663	$41,067	$49,704	$5,225	$11,859	$18,586	$27,827	$38,914	$50	$3,904	$8,692	$13,528	$20,405	$28,508	$28,508
NEW CANEY MUD	SAN JACINTO	MONTGOMERY	08427200017010	$0	$0	$0	$2,205,956	$0	$2,449,756	$0	$0	$0	$0	$0	$1,629,499	$513,312	$0	$6,798,508	$54,566	$111,995	$138,916	$173,936	$228,148	$306,794	$26,649	$54,691	$94,418	$139,447	$205,226	$287,697	$19,559	$40,223	$69,540	$102,838	$151,971	$214,291
NEW WAVERLY	SAN JACINTO	WALKER	08030500020010	$0	$0	$0	$19,252	$0	$21,057	$0	$0	$0	$0	$0	$14,121	$4,448	$0	$59,918	$1,725	$3,459	$5,136	$4,644	$0	$0	$0	$1,708	$2,512	$3,512	$2,512	$2,512	$1,822	$1,842	$3,128	$1,252	$1,842	$3,128	$2,512
NIKONIA	SAN JACINTO	HARRIS	08000000010110	$28,832,697	$14,018,318	$0	$0	$132,435,377	$0	$2,954,458	$0	$0	$48,485	$48,485	$0	$62,384,297	$19,659,775	$0	$290,381,892	$0	$2,053,469	$3,883,126	$11,697,219	$18,793,578	$8,950,592	$0	$451,441	$1,404,384	$12,062,009	$21,342,561	$21,508,847	$0	$1,377,262	$2,059,402	$2,461,582	$2,747,416	$2,613,832
NORMANGEE	BRAZOS	LEON	08927700014508	$0	$0	$0	$12,347	$0	$13,474	$0	$0	$0	$0	$0	$9,037	$2,847	$0	$37,705	$0	$2,250	$3,287	$1,077	$0	$0	$0	$1,105	$1,608	$1,608	$1,608	$1,608	$0	$810	$1,179	$1,031	$958	$1,031	
NORMANGEE	BRAZOS	LEON	08927700014512	$0	$0	$0	$0	$0	$5,492	$0	$0	$0	$0	$0	$3,954	$1,246	$0	$16,496	$0	$822	$1,438	$616	$0	$0	$0	$402	$703	$703	$703	$703	$0	$295	$516	$442	$366	$466	$466
NORMANGEE	TRINITY	MADISON	08092700015708	$0	$0	$0	$3,087	$0	$3,369	$0	$0	$0	$0	$0	$2,259	$712	$0	$9,426	$0	$411	$616	$205	$205	$205	$0	$201	$301	$301	$402	$402	$0	$147	$221	$221	$295	$295	
NORTH BELT UD	SAN JACINTO	HARRIS	08427500014010	$0	$0	$0	$713,451	$0	$778,911	$0	$0	$0	$0	$0	$522,642	$164,639	$0	$2,180,543	$23,005	$78,798	$88,033	$57,913	$52,373	$53,399	$11,248	$38,494	$54,253	$68,805	$79,859	$92,512	$8,259	$28,287	$39,853	$49,061	$58,672	$68,214
NORTH GREEN MUD	SAN JACINTO	HARRIS	08427700010110	$0	$0	$0	$286,897	$0	$313,272	$0	$0	$0	$0	$0	$210,059	$66,171	$0	$876,398	$17,256	$49,700	$44,366	$16,230	$9,245	$10,478	$8,438	$24,297	$30,124	$32,234	$34,646	$37,356	$6,188	$17,827	$22,100	$23,646	$25,414	$27,403
NORTHWEST HARRIS COUNTY MUD #23	SAN JACINTO	HARRIS	08428600010110	$0	$0	$0	$805,393	$0	$880,866	$0	$0	$0	$0	$0	$590,191	$185,918	$0	$2,462,367	$26,017	$95,779	$103,573	$62,218	$53,809	$56,682	$14,156	$46,767	$64,729	$77,183	$91,039	$104,851	$10,387	$34,402	$47,588	$56,722	$66,898	$77,054
NORTHWEST PARK MUD	SAN JACINTO	HARRIS	08428700010110	$0	$0	$0	$1,834,269	$0	$2,126,377	$0	$0	$0	$0	$0	$1,386,229	$436,679	$0	$5,783,545	$134,701	$433,335	$369,535	$70,901	$0	$0	$0	$65,259	$205,598	$240,190	$240,190	$240,190	$48,766	$160,516	$186,004	$182,241	$180,476	$180,475
OAK RIDGE NORTH	SAN JACINTO	MONTGOMERY	08072600017010	$1,135,228	$0	$388,810	$0	$209,708	$0	$229,055	$0	$48,485	$48,485	$0	$0	$685,983	$224,326	$0	$2,971,090	$23,621	$55,866	$160,367	$128,043	$34,704	$75,130	$11,548	$27,308	$47,087	$47,087	$52,856	$59,537	$8,471	$20,037	$20,037	$19,898	$25,807	$32,536
OLD RIVER-WINFREE	TRINITY	CHAMBERS	08077700003808	$0	$78,007	$0	$1,610,128	$124,865	$0	$136,425	$0	$0	$0	$0	$682,297	$214,932	$0	$3,006,377	$4,845,651	$33,250	$203,236	$180,491	$19,126	$21,038	$25,824	$35,260	$87,986	$92,418	$96,045	$103,295	$106,925	$11,934	$5,828	$6,186	$6,483	$6,982	$7,588
ONALASKA	TRINITY	POLK	08093300018708	$0	$0	$0	$0	$104,944	$0	$114,525	$0	$0	$0	$0	$76,916	$24,198	$0	$320,488	$0	$8,218	$14,587	$10,684	$8,629	$9,046	$0	$4,019	$7,134	$9,244	$11,354	$13,665	$0	$2,947	$5,230	$6,777	$8,324	$10,018	
ONALASKA WSC	TRINITY	TRINITY	08429300018708	$0	$0	$0	$0	$11,575	$0	$12,630	$0	$0	$0	$0	$8,478	$2,669	$0	$35,349	$0	$906	$1,438	$616	$0	$1,644	$0	$402	$703	$703	$703	$1,507	$0	$295	$516	$147	$442	$1,105	
ORBIT SYSTEMS INC	BRAZOS-COLORADO	BRAZORIA	08424000020910	$0	$0	$0	$0	$27,781	$0	$30,311	$0	$0	$0	$0	$20,334	$6,405	$0	$84,837	$0	$1,027	$2,465	$3,082	$3,082	$3,287	$0	$602	$1,206	$2,010	$2,713	$3,617	$0	$368	$886	$1,477	$1,989	$2,652	
ORBIT SYSTEMS INC	BRAZOS-SAN JACINTO	BRAZORIA	08424000020911	$0	$0	$0	$0	$247,656	$0	$270,327	$0	$0	$0	$0	$181,295	$57,110	$0	$756,391	$0	$9,153	$22,727	$25,474	$25,269	$29,269	$0	$5,226	$12,458	$18,598	$24,813	$32,248	$0	$4,567	$8,134	$13,628	$18,135	$23,646	
ORBIT SYSTEMS INC	FORT BEND	BRAZORIA	08429400007911	$0	$5,900	$0	$121,295	$0	$0	$0	$0	$0	$0	$0	$0	$44,693	$14,079	$0	$186,466	$0	$3,825	$9,563	$7,660	$3,825	$4,781	$0	$1,612	$4,930	$4,836	$5,642	$6,856	$0	$131	$327	$393	$458	$557	
OYSTER CREEK	SAN JACINTO-BRAZOS	BRAZORIA	08073200002011	$162,188	$0	$55,813	$0	$23,150	$0	$25,264	$0	$96,941	$96,941	$0	$93,248	$45,209	$0	$598,764	$12,850	$34,572	$25,967	$7,981	$8,393	$9,648	$672	$3,702	$8,586	$5,825	$9,717	$12,707	$1,414	$2,504	$5,487	$4,152	$4,861	$5,624	
PANORAMA VILLAGE	MONTGOMERY	MONTGOMERY	08072200017010	$587,557	$0	$201,211	$0	$193,540	$0	$211,374	$0	$48,485	$48,485	$0	$0	$417,792	$139,529	$0	$1,847,980	$23,415	$51,551	$132,211	$104,075	$0	$0	$5,485	$11,449	$25,204	$40,992	$40,992	$40,992	$4,961	$9,398	$18,490	$15,936	$13,923	$16,845
PARKWAY UD	SAN JACINTO	HARRIS	08429800010110	$194,295	$0	$66,753	$0	$0	$0	$0	$0	$48,462	$48,462	$0	$0	$91,367	$36,698	$0	$486,037	$42,375	$42,375	$0	$0	$0	$0	$0	$5,525	$5,525	$5,525	$5,525	$5,525	$5,525	$5,525	$5,427	$5,255	$5,157	$5,034	$5,083	
PASADENA	BRAZOS	HARRIS	08456000010110	$0	$0	$0	$0	$0	$0	$233,260	$0	$0	$0	$0	$0	$156,398	$49,266	$0	$652,494	$0	$5,277	$56,887	$27,110	$0	$0	$0	$14,567	$27,811	$27,811	$27,811	$27,811	$0	$10,683	$20,409	$20,409	$20,409	$20,409	
PASADENA	BRAZOS	HARRIS	08456000010111	$0	$0	$0	$0	$59,416	$0	$64,844	$0	$0	$0	$0	$0	$43,491	$13,700	$0	$181,450	$0	$8,218	$15,820	$7,602	$0	$0	$0	$4,019	$7,737	$7,737	$7,737	$7,737	$0	$2,947	$5,677	$5,677	$5,672	$5,672	
PATTON VILLAGE	MONTGOMERY	MONTGOMERY	08073400017010	$0	$0	$0	$0	$95,166	$0	$103,867	$0	$0	$0	$0	$0	$67,198	$20,106	$0	$286,290	$6,573	$16,057	$6,575	$6,575	$7,602	$10,067	$1,567	$3,715	$4,723	$6,433	$8,449	$11,354	$1,105	$2,357	$3,452	$4,715	$6,324	
PEARLAND	SAN JACINTO-BRAZOS	BRAZORIA	08457000020011	$0	$2,840,512	$0	$41,990,607	$1,576,628	$0	$1,746,573	$0	$0	$0	$0	$0	$16,854,012	$5,309,231	$256,081,548	$326,399,112	$0	$3,712,777	$3,947,952	$859,983	$1,347,896	$1,557,846	$0	$2,555,988	$2,660,838	$2,935,594	$3,252,463	$3,618,984	$0	$207,637	$243,756	$313,438	$375,266	$430,089	
PEARLAND	SAN JACINTO-BRAZOS	HARRIS	08457000010111	$0	$0	$0	$0	$20,035	$0	$22,257	$0	$0	$0	$0	$0	$15,254	$4,804	$0	$8,918,424	$8,982,080	$0	$2,813	$5,547	$2,813	$0	$0	$1,407	$2,713	$2,713	$2,713	$2,713	$0	$1,031	$1,989	$1,989	$1,989	$1,989	
PECAN GROVE MUD #1	BRAZOS	FORT BEND	08429900007912	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,354,188	$3,354,180	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	
PECAN GROVE MUD #1	SAN JACINTO-BRAZOS	FORT BEND	08429900007911	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$12,605,812	$12,605,812	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	
PINE ISLAND	BRAZOS	WALLER	08093800023712	$0	$0	$0	$0	$145,066	$0	$158,326	$0	$0	$0	$0	$106,189	$33,450	$0	$443,020	$0	$5,958	$12,327	$13,149	$15,820	$19,517	$0	$2,914	$6,029	$9,344	$13,765	$18,889	$0	$2,136	$4,420	$6,851	$10,092	$13,849	
PINE TRAILS UTILITI	SAN JACINTO	HARRIS	08430200010110	$450,836	$0	$155,020	$0	$20,064	$0	$21,895	$0	$48,462	$48,462	$0	$226,735	$79,340	$0	$1,050,814	$40,905	$51,345	$19,728	$19,220	$19,569	$21,049	$5,231	$7,944	$10,284	$11,935	$13,537	$15,434	$5,279	$7,563	$9,576	$11,221	$12,817	$14,708	
PINEY POINT VILLAGE	HARRIS	HARRIS	08048400010110	$773,665	$0	$265,096	$0	$0	$0	$0	$0	$48,462	$48,462	$0	$0	$373,168	$125,469	$0	$1,661,757	$13,115	$31,665	$73,167	$13,568	$14,904	$16,918	$2,433	$12,418	$23,741	$31,568	$39,395	$47,717	$3,116	$18,539	$29,753	$31,479	$31,479	$31,479	
PLANTATION MUD	SAN JACINTO-BRAZOS	FORT BEND	08430300007911	$230,458	$0	$79,281	$0	$122,643	$0	$133,898	$0	$48,485	$48,485	$0	$0	$198,198	$70,354	$0	$931,802	$0	$31,487	$61,816	$42,481	$17,196	$7,271	$0	$6,764	$19,296	$21,316	$22,154	$22,524	$0	$5,525	$15,028	$10,558	$8,741	$8,000	
PLEAK	BRAZOS	FORT BEND	08105300007912	$0	$0	$0	$0	$335,037	$0	$366,553	$0	$0	$0	$0	$0	$492,675	$151,509	$0	$1,505,149	$0	$36,974	$0	$36,974	$48,268	$59,886	$0	$14,567	$34,578	$34,578	$34,578	$34,578	$0	$14,553	$33,265	$33,665	$33,665	$47,072	
PLUM GROVE	SAN JACINTO	LIBERTY	08105400014610	$0	$0	$0	$137,351	$0	$149,899	$0	$0	$0	$0	$0	$100,538	$31,671	$0	$419,458	$0	$7,191	$13,560	$13,149	$14,382	$16,231	$0	$3,517	$6,631	$9,941	$13,660	$17,886	$0	$2,578	$4,862	$7,293	$10,018	$13,113	
POINT AQUA(MISS MUD	SAN JACINTO	MONTGOMERY	08435000017010	$0	$0	$0	$0	$1,977,331	$0	$2,165,512	$0	$0	$0	$0	$1,318,401	$415,313	$0	$5,876,557	$25,460	$87,767	$110,126	$156,031	$206,575	$276,537	$12,450	$31,734	$66,222	$109,256	$166,746	$233,281	$9,134	$34,378	$68,693	$90,516	$136,303	$172,965	
POINT BLANK	TRINITY	SAN JACINTO	08105600020408	$0	$0	$0	$0	$20,835	$0	$22,731	$0	$0	$0	$0	$0	$15,258	$4,804	$0	$63,627	$0	$2,250	$3,904	$2,465	$1,438	$822	$0	$1,105	$1,909	$2,311	$2,612	$2,713	$0	$810	$1,400	$1,694	$1,915	$1,989	
POTTER WSC	SAN JACINTO	MONTGOMERY	08435100017010	$0	$0	$0	$1,732,579	$0	$1,925,580	$0	$0	$0	$0	$0	$1,255,929	$396,666	$0	$5,253,930	$66,210	$159,096	$171,772	$191,581	$214,196	$160,826	$44,777	$32,337	$97,597	$135,781	$203,860	$274,514	$23,794	$57,239	$92,818	$134,514	$150,762	$164,936	
PRAIRIE VIEW	BRAZOS	WALLER	08048500023712	$0	$0	$0	$460,330	$0	$502,750	$0	$0	$0	$0	$0	$337,078	$106,184	$0	$1,406,342	$0	$16,845	$36,565	$42,519	$51,553	$63,247	$0	$8,237	$17,880	$29,027	$43,083	$59,944	$0	$6,041	$13,110	$21,289	$31,602	$43,978	
PRAIRIE VIEW	SAN JACINTO	WALLER	08048500023710	$0	$0	$0	$50,931	$0	$55,586	$0	$0	$0	$0	$0	$37,279	$11,743	$0	$155,533	$0	$841	$4,109	$4,725	$5,547	$6,985	$0	$904	$2,010	$3,215	$4,723	$6,632	$0	$663	$1,473	$2,357	$3,462	$4,862	
RAYFORD ROAD MUD	SAN JACINTO	HARRIS	08431200007904	$1,707,584	$0	$577,810	$0	$632,334	$0	$695,000	$0	$48,485	$48,485	$0	$0	$1,264,666	$455,306	$0	$5,381,274	$78,640	$169,091	$390,525	$300,103	$0	$38,342	$62,350	$130,864	$130,864	$130,864	$130,864	$28,287	$60,847	$90,461	$142,112	$144,911	$146,728	
RICHMOND	BRAZOS	FORT BEND	08050000007912	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	
RICHWOOD	SAN JACINTO-BRAZOS	BRAZORIA	08050100002011	$189,562	$0	$65,220	$0	$19,365	$0	$17,749	$0	$0	$0	$0	$96,941	$96,941	$0	$486,958	$0	$102,166	$48,017	$0	$0	$0	$0	$0	$5,451	$14,481	$5,451	$6,028	$6,332	$6,942	$7,702	$884	$3,292	$3,757	$4,494	$5,132	
RIVER PLANTATION MUD	SAN JACINTO	MONTGOMERY	08432200017010	$344,220	$0	$118,335	$0	$108,708	$332,082	$118,746	$0	$48,485	$48,485	$0	$0	$357,730	$120,609	$0	$1,597,395	$48,258	$71,235	$22,977	$20,409	$49,380	$47,624	$86,156	$171,871	$171,871	$173,743	$178,559	$181,660	$14,512	$9,036	$10,215	$10,902	$15,710	$18,809	
RIVERSIDE WSC	TRINITY	WALKER	08432300023608	$0	$0	$0	$0	$84,108	$0	$91,792	$0	$0	$0	$0	$0	$61,565	$19,394	$0	$256,859	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	
RIVERSIDE WSC	SAN JACINTO	WALKER	08432300023608	$0	$0	$0	$0	$84,108	$0	$91,792	$0	$0	$0	$0	$0	$61,565	$19,394	$0	$256,859	$0	$0	$1,027	$10,067	$13,765	$12,327	$0	$0	$0	$0	$4,923	$7,231	$10,952	$0	$0	$0	$368	$3,616	$5,304	$8,029	
ROLLING FORK PUD	SAN JACINTO	HARRIS	08441100010110	$553,811	$0	$190,310	$0	$0	$0	$0	$0	$48,462	$48,462	$0	$0	$260,443	$89,959	$0	$1,191,447	$34,725	$78,522	$57,137	$17,638	$7,419	$7,716	$4,297	$11,534	$13,751	$14,466	$14,968	$15,748	$4,268	$11,541	$13,751	$14,463	$14,978	$15,740	
ROMAN FOREST	SAN JACINTO	MONTGOMERY	08080100017010	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,770,151	$0	$18,154	$125,086	$0	$140,781	$19,843	$0	$0	$70,391	$105,873	$153,154	$209,501	$0	$6,851	$27,335	$51,786	$77,938	$154,844	
ROSENBERG	BRAZOS	FORT BEND	08051800007912	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	
SAN FELIPE	BRAZOS	AUSTIN	08095400008012	$0	$0	$0	$40,127	$0	$43,611	$0	$0	$0	$0	$0	$29,371	$9,252	$0	$122,541	$0	$4,313	$7,191	$4,520	$2,260	$1,849	$0	$2,114	$3,517	$4,321	$4,622	$5,225	$0	$1,547	$2,579	$3,167	$3,383	$3,833	
SAN JACINTO WSC	TRINITY	SAN JACINTO	08432800020408	$0	$0	$0	$139,656	$0	$152,425	$0	$0	$0	$0	$0	$102,222	$32,203	$0	$426,513	$0	$13,970	$25,064	$17,874	$10,067	$5,342	$0	$6,831	$12,257	$15,572	$17,180	$18,185	$0	$5,009	$8,987	$11,418	$12,597	$13,333	
SAN LEON MUD	SAN JACINTO-BRAZOS	GALVESTON	08432600010411	$2,173,678	$0	$731,902	$0	$3,858	$0	$4,359,555	$0	$48,485	$48,485	$0	$0	$329,162	$85,800	$0	$8,359,555	$0	$380,086	$205	$0	$0	$0	$0	$66,162	$66,162	$66,162	$66,162	$66,162	$0	$64,397	$64,383	$64,502	$62,689	
SANTA FE	SAN JACINTO-BRAZOS	GALVESTON	08074300008411	$414,841	$0	$142,220	$0	$0	$0	$0	$0	$48,485	$48,485	$0	$0	$194,972	$69,338	$0	$918,341	$0	$80,065	$80,065	$0	$0	$0	$0	$11,793	$11,793	$11,793	$11,793	$11,793	$0	$11,860	$11,713	$11,516	$11,246	$10,927	
SEABROOK	SAN JACINTO	HARRIS	08045000010110	$2,556,573	$0	$876,277	$0	$67,132	$0	$73,264	$0	$48,462	$48,462	$0	$0	$1,250,908	$401,722	$0	$5,321,227	$169,645	$229,266	$117,057	$118,870	$116,230	$115,579	$26,766	$39,606	$51,934	$61,159	$71,260	$81,429	$27,231	$38,944	$50,160	$60,124	$69,564	$79,750	
SEALY	BRAZOS	AUSTIN	08054900000812	$0	$0	$0	$0	$0	$0	$0	$0	$6,450,000	$6,450,000	$0	$0	$0	$0	$0	$6,450,000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	
SHENANDOAH	SAN JACINTO	MONTGOMERY	08074500017010	$2,680,728	$0	$910,535	$0	$564,770	$0	$620,648	$0	$48,485	$48,485	$0	$0	$1,671,840	$534,571	$0	$7,080,068	$60,902	$150,918	$402,093	$332,077	$66,271	$54,277	$29,733	$73,586	$124,054	$124,054	$135,073	$149,731	$21,873	$54,291	$52,646	$50,731	$63,726	$78,478	
SHEPHERD	TRINITY	SAN JACINTO	08074600020408	$0	$0	$0	$0	$100,313	$0	$109,417	$0	$0	$0	$0	$0	$73,428	$23,130	$0	$306,343	$0	$11,094	$14,106	$11,505	$9,164	$4,931	$0	$5,425	$9,340	$11,052	$12,356	$13,062	$0	$3,978	$6,853	$8,103	$9,061	$9,726	
SHOREACRES	SAN JACINTO-BRAZOS	HARRIS	08055800010110	$0	$0	$0	$0	$2,315	$0	$2,526	$0	$0	$0	$0	$1,695	$534	$0	$7,070	$0	$411	$616	$205	$0	$0	$0	$0	$201	$301	$301	$301	$0	$147	$221	$221	$221	$221	
SIENNA PLANTATION MUD #2	FORT BEND	FORT BEND	08433400007911	$664,726	$0	$228,117	$0	$0	$0	$0	$0	$48,485	$48,485	$0	$0	$512,496	$106,360	$0	$1,408,669	$0	$56,034	$118,066	$66,796	$4,748	$0	$0	$17,792	$33,116	$18,899	$18,899	$18,899	$0	$8,678	$18,173	$18,956	$18,956	$18,956	
SIMONTON	BRAZOS	FORT BEND	08106200007912	$0	$0	$0	$0	$380,994	$0	$416,011	$0	$0	$0	$0	$0	$278,952	$87,873	$0	$1,163,830	$0	$16,023	$35,538	$31,636	$36,768	$53,800	$0	$7,836	$13,378	$23,305	$35,356	$49,612	$0	$5,749	$12,744	$17,090	$25,936	$36,391	
SOUTH HOUSTON	SAN JACINTO	HARRIS	08058900010110	$0	$0	$0	$0	$36,268	$0	$39,585	$0	$0	$0	$0	$0	$26,547	$8,363	$0	$110,758	$0	$5,342	$9,656	$5,342	$0	$0	$0	$4,722	$4,722	$4,722	$4,722	$4,722	$0	$3,482	$3,482	$3,482	$3,482	$3,482	
SOUTHERN MONTGOMERY COUNTY MUD	SAN JACINTO	MONTGOMERY	08439900017010	$1,814,583	$0	$613,326	$0	$661,228	$0	$729,283	$0	$48,485	$48,485	$0	$0	$1,336,447	$428,917	$0	$5,680,754	$64,578	$177,028	$430,697	$318,246	$0	$0	$0	$31,520	$86,182	$137,680	$137,680	$137,680	$23,204	$63,794	$53,775	$46,286	$49,969	$53,198	
SOUTHSIDE PLACE	HARRIS	HARRIS	08052300010110	$86,711	$0	$29,843	$0	$81,795	$0	$89,266	$0	$0	$0	$0	$0	$59,870	$18,860	$0	$249,792	$0	$3,493	$7,602	$10,478	$14,178	$0	$0	$1,708	$2,718	$3,818	$4,933	$10,651	$0	$0	$1,253	$2,726	$5,009	$7,808	
SOUTHWEST UTILITIES	SAN JACINTO	HARRIS	08430300020011	$0	$0	$0	$0	$5,402	$0	$5,895	$0	$0	$0	$0	$0	$3,954	$1,246	$0	$16,496	$0	$0	$0	$205	$616	$1,233	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	
SOUTHWEST UTILITIES	SAN JACINTO	HARRIS	08430300010110	$780,099	$0	$268,061	$0	$0	$0	$0	$0	$48,462	$48,462	$0	$0	$366,856	$123,480	$0	$1,635,419	$34,430	$84,226

Region H
Table 4C-2: WUG-Level Project Costs

WUG Name	wug_basin	WUG County	Annual Costs for Municipal Conservation						Annual Costs for Irrigation Conservation						Project-Specific Annual Costs						Total Annual Cost					
			2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060	2010	2020	2030	2040	2050	2060
MONTGOMERY COUNTY MUD #11	SAN JACINTO	MONTGOMERY	$5,050	$5,050	$5,050	$5,050	$5,050	$5,050	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$35,413	$68,433	$129,249	$109,600	$40,716	$41,060
MONTGOMERY COUNTY MUD #8	SAN JACINTO	MONTGOMERY	$15,556	$20,215	$24,569	$25,813	$25,502	$25,502	$0	$0	$0	$0	$0	$0	$1,004,776	$1,004,776	$481,669	$481,669	$481,669	$481,669	$1,074,584	$1,549,676	$1,115,773	$1,088,137	$1,023,695	$892,754
MONTGOMERY COUNTY MUD #9	SAN JACINTO	MONTGOMERY	$8,888	$12,129	$15,353	$16,766	$17,170	$17,272	$0	$0	$0	$0	$0	$0	$1,004,776	$1,004,776	$481,669	$481,669	$481,669	$481,669	$1,096,027	$1,531,072	$1,143,288	$1,183,643	$1,094,783	$833,142
MONTGOMERY COUNTY UD #2	SAN JACINTO	MONTGOMERY	$6,262	$6,262	$6,060	$6,060	$6,060	$6,060	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$43,076	$83,303	$84,432	$77,462	$80,760	$84,899
MONTGOMERY COUNTY UD #3	SAN JACINTO	MONTGOMERY	$9,019	$9,330	$10,263	$11,507	$13,373	$15,861	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$40,142	$79,163	$93,615	$157,208	$164,733	$112,534
MONTGOMERY COUNTY UD #4	SAN JACINTO	MONTGOMERY	$18,038	$18,038	$17,727	$17,416	$17,416	$17,416	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$81,391	$151,941	$154,918	$232,576	$221,523	$113,557
MONTGOMERY COUNTY WCID #1	SAN JACINTO	MONTGOMERY	$9,330	$9,641	$10,574	$12,125	$13,995	$16,483	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$41,212	$81,373	$96,559	$109,178	$136,497	$170,647
NASSAU BAY	SAN JACINTO-BRAZOS	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
NEEDVILLE	BRAZOS	FORT BEND	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$16,322	$36,835	$48,861	$66,994	$90,231
NEEDVILLE	BRAZOS-COLORADO	FORT BEND	$0	$5,598	$6,842	$8,086	$9,643	$11,818	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$25,724	$51,631	$67,418	$90,539	$120,693
NEW CANEY MUD	SAN JACINTO	MONTGOMERY	$14,697	$32,589	$42,600	$53,676	$69,438	$87,756	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$115,507	$239,496	$345,474	$469,895	$654,777	$896,538
NEW WAVERLY	SAN JACINTO	WALKER	$0	$2,626	$2,626	$2,626	$2,626	$2,626	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$9,079	$12,118	$8,108	$6,397	$6,397
NHCRWA	SAN JACINTO	HARRIS	$1,301,082	$1,534,796	$1,712,960	$1,810,122	$1,849,512	$1,896,578	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,301,082	$5,366,973	$9,039,872	$28,030,928	$44,733,069	$34,969,854
NORMANGEE	TRINITY	LEON	$0	$1,212	$1,414	$1,414	$1,414	$1,414	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$5,387	$7,488	$5,080	$3,980	$4,053
NORMANGEE	BRAZOS	LEON	$0	$606	$606	$606	$606	$606	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$2,125	$3,263	$2,367	$1,677	$1,751
NORMANGEE	TRINITY	MADISON	$202	$202	$202	$202	$202	$202	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$202	$961	$1,340	$939	$1,104	$1,104
NORTH BELT UD	SAN JACINTO	HARRIS	$8,397	$11,196	$13,684	$15,862	$17,916	$21,148	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$50,900	$156,778	$195,823	$189,649	$209,529	$235,673
NORTH GREEN MUD	SAN JACINTO	HARRIS	$6,531	$7,153	$7,464	$8,088	$8,708	$9,330	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$38,413	$98,977	$104,048	$80,196	$78,013	$84,570
NORTHWEST HARRIS COUNTY MUD #23	SAN JACINTO	HARRIS	$10,889	$13,373	$16,172	$18,660	$21,459	$23,947	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$64,385	$190,321	$232,062	$214,763	$233,152	$262,574
NORTHWEST PARK MUD	SAN JACINTO	HARRIS	$39,165	$46,221	$46,221	$45,369	$44,943	$44,943	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$287,958	$845,670	$841,950	$538,707	$465,612	$465,612
OAK RIDGE NORTH	SAN JACINTO	MONTGOMERY	$12,751	$13,995	$16,483	$19,904	$23,947	$29,234	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$56,392	$117,200	$243,889	$214,924	$137,314	$196,476
OLD RIVER-WINFREE	TRINITY	CHAMBERS	$3,732	$4,043	$4,354	$4,665	$4,976	$5,287	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$65,191	$301,096	$283,454	$126,318	$134,286	$145,629
ONALASKA	TRINITY	POLK	$0	$2,626	$2,828	$3,232	$3,434	$3,636	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$17,810	$29,779	$29,937	$31,741	$35,359
ONALASKA WSC	TRINITY	POLK	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,513	$2,657	$1,466	$1,149	$4,258
ORBIT SYSTEMS INC	BRAZOS-COLORADO	BRAZORIA	$0	$933	$1,244	$1,244	$1,555	$1,555	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$2,830	$5,799	$7,809	$9,339	$11,111
ORBIT SYSTEMS INC	SAN JACINTO-BRAZOS	BRAZORIA	$0	$8,397	$9,641	$10,574	$11,818	$13,062	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$31,938	$56,707	$68,057	$80,097	$96,899
ORBIT SYSTEMS INC	SAN JACINTO-BRAZOS	FORT BEND	$311	$311	$311	$311	$311	$311	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$311	$5,878	$14,231	$13,180	$10,238	$12,499
OYSTER CREEK	SAN JACINTO-BRAZOS	BRAZORIA	$1,818	$2,020	$2,424	$2,828	$3,030	$3,030	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$15,899	$42,796	$36,769	$20,582	$22,790	$25,923
PANORAMA VILLAGE	SAN JACINTO	MONTGOMERY	$7,272	$7,676	$7,878	$8,282	$8,686	$9,090	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$50,534	$102,921	$197,017	$167,272	$65,172	$73,329
PARKWAY UD	SAN JACINTO	HARRIS	$3,434	$3,232	$3,232	$3,232	$3,030	$3,030	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$56,859	$56,559	$14,012	$13,914	$13,589	$13,638
PASADENA	SAN JACINTO	HARRIS	$215,962	$235,578	$253,257	$272,214	$292,662	$315,666	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$215,962	$290,593	$358,364	$347,540	$340,878	$363,882
PASADENA	SAN JACINTO-BRAZOS	HARRIS	$60,492	$65,817	$70,929	$76,254	$82,005	$88,395	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$60,492	$81,001	$100,158	$97,265	$95,414	$101,804
PATTON VILLAGE	SAN JACINTO	MONTGOMERY	$1,010	$1,010	$1,212	$1,212	$1,616	$1,818	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$6,704	$13,157	$15,972	$18,933	$23,848	$31,563
PEARLAND	SAN JACINTO-BRAZOS	BRAZORIA	$92,016	$229,188	$268,806	$306,294	$348,042	$391,925	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$21,461,870	$21,521,494	$13,713,997	$14,187,376	$14,237,389	$14,285,229
PEARLAND	SAN JACINTO-BRAZOS	HARRIS	$1,704	$3,834	$4,473	$4,899	$5,313	$5,964	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$391,570	$389,347	$293,015	$201,683	$176,676	$152,753
PECAN GROVE MUD #1	FORT BEND	FORT BEND	$24,495	$34,509	$34,932	$35,358	$36,423	$37,914	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$391,302	$391,302	$197,303	$197,303	$415,797	$425,808
PECAN GROVE MUD #3	FORT BEND	FORT BEND	$6,603	$9,158	$9,372	$9,372	$9,586	$10,011	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,470,609	$1,470,609	$743,554	$743,554	$743,554	$743,554
PINE ISLAND	BRAZOS	WALLER	$0	$1,616	$2,020	$2,424	$2,828	$3,434	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$12,624	$24,796	$31,768	$42,505	$56,689
PINE TRAILS UTILITI	SAN JACINTO	HARRIS	$17,416	$18,660	$19,904	$21,148	$22,392	$23,947	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$68,881	$85,512	$59,492	$63,524	$68,315	$75,138
PINEY POINT VILLAGE	SAN JACINTO	HARRIS	$23,636	$24,258	$25,191	$26,124	$26,746	$27,996	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$168,668	$179,048	$78,737	$82,266	$84,153	$88,727
PLANTATION MUD	SAN JACINTO-BRAZOS	FORT BEND	$10,574	$10,263	$9,952	$9,952	$9,952	$9,952	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$10,574	$54,040	$106,092	$84,307	$58,044	$47,752
PLEAK	BRAZOS	FORT BEND	$0	$7,272	$8,686	$10,100	$11,918	$14,146	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$31,189	$76,999	$110,249	$148,357	$195,377
PLUM GROVE	SAN JACINTO	LIBERTY	$0	$2,020	$2,222	$2,626	$3,030	$3,636	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$15,306	$27,279	$33,015	$41,099	$50,864
POINT AQUARIUS MUD	SAN JACINTO	MONTGOMERY	$13,684	$16,794	$24,258	$32,655	$44,152	$57,224	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$60,738	$142,348	$249,301	$379,492	$540,829	$719,049
POINT BLANK	TRINITY	SAN JACINTO	$0	$1,010	$1,212	$1,212	$1,212	$1,212	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$5,185	$8,429	$7,682	$7,17	$6,739
PORTER WSC	SAN JACINTO	MONTGOMERY	$26,199	$31,181	$30,425	$35,156	$44,730	$44,730	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$148,517	$323,022	$446,418	$575,578	$560,216	$517,578
PRAIRIE VIEW	BRAZOS	WALLER	$0	$2,488	$2,799	$2,799	$3,110	$3,421	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$33,611	$70,356	$95,634	$129,346	$170,590
PRAIRIE VIEW	SAN JACINTO	WALLER	$0	$22,392	$24,258	$26,435	$28,923	$32,033	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$25,808	$31,850	$36,732	$42,655	$50,512
RAYFORD ROAD MUD	SAN JACINTO	MONTGOMERY	$31,098	$32,889	$30,672	$30,672	$30,672	$30,672	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$176,372	$343,189	$602,522	$503,751	$506,447	$508,264
RICHMOND	BRAZOS	FORT BEND	$0	$38,127	$45,369	$52,185	$64,113	$77,319	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$38,127	$45,369	$52,185	$64,113	$77,319
RICHWOOD	SAN JACINTO-BRAZOS	BRAZORIA	$6,225	$6,531	$6,842	$7,153	$7,464	$8,086	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$22,473	$60,508	$48,719	$19,963	$23,299	$27,744
RIVER PLANTATION MUD	SAN JACINTO	MONTGOMERY	$15,556	$15,239	$14,928	$14,928	$14,928	$14,928	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$164,476	$267,381	$219,992	$219,982	$258,581	$263,021
RIVERSIDE WSC	TRINITY	SAN JACINTO	$0	$1,421	$4,043	$4,978	$5,598	$6,220	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$14,429	$27,958	$44,569	$50,352	$52,540
RIVERSIDE WSC	TRINITY	WALKER	$0	$0	$1,555	$7,153	$7,464	$8,086	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,452	$25,753	$33,767	$39,394
ROLLING FORK PUD	SAN JACINTO	HARRIS	$7,878	$8,080	$8,484	$8,686	$9,090	$9,494	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$51,104	$109,677	$93,118	$55,253	$46,473	$48,698
ROMAN FOREST	SAN JACINTO	MONTGOMERY	$9,952	$15,556	$21,583	$28,564	$38,564	$49,766	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$45,248	$156,186	$289,324	$353,515	$674,486	$627,378
ROSENBERG	BRAZOS	FORT BEND	$31,950	$105,861	$131,208	$157,194	$192,552	$234,513	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$31,950	$105,861	$131,208	$157,194	$192,552	$234,513
SAN FELIPE	BRAZOS	AUSTIN	$0	$1,616	$1,818	$1,818	$2,020	$2,020	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$9,588	$15,104	$13,827	$12,089	$12,922
SAN JACINTO WSC	TRINITY	SAN JACINTO	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$25,810	$46,308	$44,864	$39,844	$36,860
SAN LEON MUD	SAN JACINTO-BRAZOS	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$207,284	$507,246	$126,751	$125,789	$124,852
SANTA FE	SAN JACINTO-BRAZOS	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$103,718	$103,573	$23,309	$23,039	$22,720
SEABROOK	HARRIS	HARRIS	$32,589	$38,766	$44,304	$50,481	$56,220	$62,405	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$256,168	$346,581	$263,431	$291,938	$313,288	$339,306
SEALY	BRAZOS	AUSTIN	$0	$30,167	$34,832	$37,009	$38,253	$40,119	$0	$0	$0	$0	$0	$0	$783,504	$783,504	$221,164	$221,164	$238,451	$0	$0	$813,671	$818,336	$258,173	$259,41	$278,57
SHENANDOAH	SAN JACINTO	MONTGOMERY	$32,344	$37,631	$43,851	$50,382	$59,401	$70,286	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$144,858	$316,429	$622,644	$537,244	$324,465	$452,751
SHEPHERD	TRINITY	SAN JACINTO	$0	$4,043	$4,444	$4,648	$4,848	$5,257	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$24,517	$39,746	$35,306	$32,431	$31,595
SHORECREST	SAN JACINTO-BRAZOS	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$759	$1,138	$727	$522	$522
SIENNA PLANTATION MUD #2	FORT BEND	FORT BEND	$19,503	$22,392	$22,392	$22,392	$22,392	$22,392	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$19,503	$94,008	$176,746	$127,046	$64,995	$60,247
SIMONTON	BRAZOS	FORT BEND	$0	$0	$0	$7,676	$9,090	$10,908	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$29,605	$65,660	$79,707	$107,144	$150,720
SOUTH HOUSTON	HARRIS	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$7,972	$17,840	$13,529	$8,184	$8,184
SOUTHERN MONTGOMERY COUNTY MUD	SAN JACINTO	MONTGOMERY	$25,773	$32,376	$32,589	$33,654	$34,086	$34,932	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$145,075	$359,380	$654,741	$535,866	$221,729	$225,798
SOUTHSIDE PLACE	SAN JACINTO	HARRIS	$1,212	$4,848	$5,050	$5,454	$5,656	$6,060	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,212	$16,864	$22,537	$16,466	$19,213	$20,883
SOUTHWEST UTILITIES	SAN JACINTO-BRAZOS	BRAZORIA	$0	$622	$1,244	$1,555	$1,555	$1,555	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$622	$1,244	$1,934	$2,693	$4,007
SOUTHWEST UTILITIES	SAN JACINTO	HARRIS	$8,946	$10,011	$11,289	$12,141	$13,419	$14,484	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$51,779	$119,218	$114,454	$81,893	$76,667	$83,588
SOUTHWEST UTILITIES	SAN JACINTO	LIBERTY	$0	$311	$311	$311	$311	$311	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,070	$1,834	$2,178	$2,905	$3,947
SOUTHWEST UTILITIES	SAN JACINTO	MONTGOMERY	$4,665	$5,287	$6,531	$8,086	$9,952	$12,446	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$20,987	$44,004	$60,706	$77,089	$103,379	$137,197
SPLENDORA	SAN JACINTO	MONTGOMERY	$2,020	$2,424	$3,232	$4,242	$5,656	$7,272	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$14,547	$33,929	$49,973	$69,936	$101,937	$137,069
SPRING CREEK UD	SAN JACINTO	MONTGOMERY	$9,952	$11,196	$14,928	$18,971	$24,880	$31,411	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$44,490	$96,200	$215,538	$202,339	$152,498	$219,790
SPRING VALLEY	SAN JACINTO	HARRIS	$16,483	$17,705	$17,416	$18,030	$18,660	$19,593	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$67,556	$141,198	$123,367	$75,747	$64,822	$68,364
STAFFORD	SAN JACINTO	FORT BEND	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
STAFFORD	SAN JACINTO-BRAZOS	FORT BEND	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
STAFFORD	SAN JACINTO	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
STANLEY LAKE MUD	SAN JACINTO	MONTGOMERY	$13,684	$16,794	$16,794	$16,483	$16,483	$16,483	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$61,497	$141,594	$151,389	$219,439	$209,215	$106,839
STEAM ELECTRIC POWER	TRINITY-SAN JACINTO	CHAMBERS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
STEAM ELECTRIC POWER	BRAZOS	FORT BEND	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
STEAM ELECTRIC POWER	SAN JACINTO-BRAZOS	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$991,950	$2,909,972	$3,278,817	$3,015,678	$3,838,219	$4,744,809
STEAM ELECTRIC POWER	SAN JACINTO	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$6,970,587	$11,147,281	$15,685,594	$18,051,177	$17,739,999
STEAM ELECTRIC POWER	HARRIS	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$554,054	$1,732,692	$1,653,559	$2,630,178	$2,671,173	$1,475,660
STEAM ELECTRIC POWER	SAN JACINTO	MONTGOMERY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$384,291	$367,642	$153,318	$598,132	$1,506,780
STEAM ELECTRIC POWER	TRINITY	LIBERTY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$468,754	$737,753	$809,648	$1,058,209	$1,357,694
SUGAR LAND	SAN JACINTO-BRAZOS	FORT BEND	$0	$181,902	$186,588	$185,736	$185,736	$185,736	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$181,902	$186,588	$185,736	$185,736	$185,736
SUGAR LAND	BRAZOS	FORT BEND	$0	$133,129	$136,533	$135,894	$135,894	$135,894	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$133,129	$136,533	$135,894	$135,894	$135,894
SUGAR LAND	SAN JACINTO	FORT BEND	$0	$13,419	$13,632	$13,632	$13,632	$13,632	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$13,419	$13,632	$13,632	$13,632	$13,632
SUNBELT FWSD	SAN JACINTO	HARRIS	$60,705	$70,503	$79,875	$89,886	$99,684	$110,122	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$182,419	$620,317	$1,345,838	$1,593,029	$1,503,468	$1,551,576
SURFSIDE BEACH	BRAZOS	BRAZORIA	$0	$2,020	$2,424	$2,626	$2,828	$3,030	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$6,199	$13,432	$18,207	$21,924	$26,778
SWEENY	BRAZOS-COLORADO	BRAZORIA	$0	$9,330	$12,440	$12,751	$13,373	$13,995	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$9,330	$18,893	$26,797	$35,693	$46,630
TAYLOR LAKE VILLAGE	SAN JACINTO-BRAZOS	HARRIS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
TEXAS CITY	SAN JACINTO-BRAZOS	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$2,611,724	$2,609,022	$776,129	$771,018	$764,830
THE WOODLANDS	SAN JACINTO	MONTGOMERY	$198,099	$359,118	$382,548	$380,844	$378,927	$378,927	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,047,973	$3,958,418	$3,919,988	$1,800,703	$1,532,735	$1,555,399
TIKI ISLAND	SAN JACINTO-BRAZOS	GALVESTON	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$962,626	$963,262	$297,016	$296,360	$296,090
TOMBALL	SAN JACINTO	HARRIS	$35,358	$44,517	$51,972	$65,178	$75,189	$89,465	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$268,632	$816,598	$970,732	$1,037,897	$1,155,834	$1,354,101
TRAIL OF THE LAKES MUD	SAN JACINTO	HARRIS	$19,170	$18,531	$18,318	$18,105	$18,105	$18,105	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$145,632	$349,346	$329,631	$217,383	$160,887	$180,887
TRINITY	TRINITY	TRINITY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$759	$612	$201	$201	$201
TRINITY BAY CONSERVATION DISTRICT	NECHES-TRINITY	CHAMBERS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
TRINITY BAY CONSERVATION DISTRICT	TRINITY	CHAMBERS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
TRINITY RURAL WSC	TRINITY	POLK	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
TRINITY RURAL WSC	TRINITY	TRINITY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
TRINITY RURAL WSC	TRINITY	WALKER	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
VARNER CREEK UD	BRAZOS	BRAZORIA	$0	$4,848	$5,454	$6,262	$7,070	$7,878	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

Attachment M:

Amended Appendix 4E: Environmental Flows Modeling for New WMS

Section 1- Introduction

The *Environmental Flows Study* completed during the 1st biennium of the 2011 Regional Water plan (RWP) planning process revealed impacts to volume, timing, and location of bay and estuary inflows caused by water management strategy (WMS) implementation. Model results indicated that implementation of individual WMS would not have a substantial impact on net bay and estuary (B&E) inflow; however, the combined effect of multiple WMS resulted in some impacts to B&E flows in terms of volume.

The 1st biennium study examined strategies recommended by the 2006 Region H RWP and the 2007 State water Plan (SWP); the 2011 RWP contains 37 WMS strategies which were not included in the 2006 RWP. As such, the Region H Regional Planning Group elected to re-run the water availability models from the 1st biennium *Environmental Flows Study* to test the environmental impacts of new WMS on environmental flows. In order to determine the effects of WMS implementation, WAM models were developed for each WMS for any basin in which the WMS was active. Strategies were modeled in a manner similar to that used in the *Environmental Flows Study*, with WMS simulated using the Water Rights Analysis Package (WRAP) software package. Strategies were modeled on an individual basis and results were examined to determine attainment of B&E inflow targets and impacts of individual WMS to instream flows.

Section 2- Model Development

The Water Rights Analysis Package (WRAP [Wurbs 2007]) was developed as a tool for modeling water rights allocations and river and reservoir operations on a monthly time-step. In addition to this basic objective, the nature of the application allows for the modeling of various environmental conditions, especially the determination of instream flows and bay and estuary (B&E) flows as a result of operations within the basin. This process is made simpler by the constant maintenance of Water Availability Models (WAMs) for each basin in the State of Texas by the Texas Commission on Environmental Quality (TCEQ). These WAMs can then be modified as necessary and executed by WRAP to determine impacts from various changes. Currently, TCEQ maintains two versions of the WAMs for permitting purposes: 1) a full-diversion model with no return flows, known as the WAM Run 3, and 2) a current conditions model based on historical water use, known as the WAM Run 8. The period of record for both models contains the critical drought period for each basin.

2.1 Base Model

Models carried out for this study were based on the Scenario D model from the first biennium *Environmental Flows Study*. In order to develop the original D_0 base model in the 1st biennium study, changes were made to the TCEQ Run 3 model. Because the Run 3 model includes almost no return flows, Constant Inflow (CI) and Return Flow (RF) cards for each basin were imported from the Run 8 model if present in the Run 8. CI cards imported from Run 8 reflect flows from a current conditions diversion level. However, since the majority of CI cards represent groundwater inputs to the system, no adjustment was required. The exception was the San Jacinto Basin, which includes considerable surface water inflows. For the San Jacinto model, CI cards were scaled up to represent Full Authorized Diversion conditions.

In order to create a Full Authorized Diversions With Return Flows model, a program was developed to extract Run 8 return flows and insert them into the Run 3 model. The program scanned the Run 8 and Run 3 models and, for each model, developed a table of several parameters included on the WR (Water Right) cards. These included the control point, use, priority number, return flow parameters (Run 8 only), and water right identifier. The two tables were then compared and, for diversions with matching parameters, the Run 8 return flow data was copied into the corresponding Run 3 diversion. Non-matching records, or records for which no change was necessary, were not altered.

Year 2060 SV/SA (Storage Volume/Surface Area) records (if available) giving surface area and volume relationships for reservoirs replaced the existing Year 2000 SV/SA records to account for the loss of reservoir storage volume from the effects of sedimentation over time. For the Neches Trinity, Trinity-San Jacinto, and San Jacinto models, no other changes required consideration. Two of the basins, the Trinity and the Brazos/San Jacinto-Brazos, required modification due to the presence of WMS in portions of the basins located in areas outside of Region H.

For the Trinity model, upstream strategies from Region C were included. Sections of code related to these strategies were copied from a file representing Region C's WMS for the TWDB Streamflow Assessment Study found in the 2007 SWP. This file was provided by TWDB. In addition to altering the Strategy D DAT file, changes were also made to the DIS file due to the addition of several control points. For the Brazos/San Jacinto-Brazos model, changes were made based on Region G's 2001 WMS (Brazos G Regional Water Planning Group 2001) as modeled in the same TWDB study. As with the Trinity model, changes for Strategy D were made to both the DAT and DIS files. The resultant models, identified as D_0 models, represent Year 2060 conditions with Full Authorized Diversions and expected return flows, upstream WMS, and no term water rights. However, the D_0 model contained no Region H strategies.

2.2 2011 RWP WMS Models

Nineteen of the new WMS for the 2011 RWP were deemed suitable for modeling. The primary reason for a majority of unmodeled strategies was that the WMS generated no new yield but rather simply facilitated implementation of another strategy (either from the 2006 or 2011 RWP). Examples of this situation include major WWP treatment and transmission projects. The 19 strategies which were modeled are listed in Table 2-1 below, which describes the modeling methodology used for each WMS.

Table 1-1.

WMS Methodology

Model ID	WMS Name	Modeling Methodology
IGW	Interim Strategies	Add CI cards to reflect return flows from points of use.
NWL	New Groundwater Wells for Livestock	Add CI cards to reflect return flows from points of use.
FRU	Fulshear Reuse	Reduce return flows (CI cards) at participating WUGs.
COH	COH GRP	Return flows from WUGs getting more groundwater. No change at converting WUGs (change return flow source from GW to SW only)
CMC	City of Missouri City GRP	Return flows from WUGs getting more groundwater or ASR. For reuse divert WWTP discharge with appropriate return flow.
M25	Fort Bend MUD 25 GRP	For direct reuse reduce CI card for WWTP discharge.
NFB	NFBWA GRP	Return flows from WUGs getting more groundwater. No change at converting WUGs (change return flow source from GW to SW only)
NHC	NHCRWA GRP	Return flows from WUGs getting more groundwater. No change at converting WUGs (change return flow source from GW to SW only)
SJW	SJRA WRAP	Return flows from WUGs getting more groundwater or Lake Conroe water.
SLG	Sugar Land GRP	Return flows from WUGs getting more groundwater. For reuse divert WWTP discharge with appropriate return flow.
WHC	WHCRWA GRP	Return flows from WUGs getting more groundwater. No change at converting WUGs (change return flow source from GW to SW only)
WCS	CLCND West Chambers System	Reflect return flows from points of use.
GOC	GCWA Off-channel Reservoir	Add off-channel diversion and reservoir
MCR	Montgomery MUD 8/9 Indirect Reuse	Reuse diversion with appropriate return flows.
GCR	GCWA Reclaimed Water from COH	Add CI cards to reflect return flows from points of use.
RMI	Wastewater Reclamation for Mun. Irrigation	Reduce return flows (CI cards) at participating WUGs.
FBO	Fort Bend County Off-Channel Reservoir	Add off-channel diversion and reservoir.
BSW	BWA Brackish Groundwater	Add CI cards to reflect return flows from points of use.
BCO	Brazoria County Off-Channel Reservoir	Add off-channel diversion and reservoir.
BII	Brazoria Co Interruptible Supplies for Irrigation	Add interruptible diversions

Section 3 – WMS Impacts to Environmental Flows

3.1 B&E Inflows

WRAP strategy model output was used to determine effects of WMS implementation on B&E flows into Galveston Bay for the Year 2060 condition. Targets were examined primarily in terms of frequency of target attainment (FTA) for B&E inflow targets recommended by the TWDB and Texas Parks and Wildlife Department. There are three sets of targets designed for maintaining fisheries. These are:

- Max H – sequence of monthly inflows for maximum B&E fisheries harvest
- Min Q – sequence of monthly inflows that minimizes the annual volume needed to maintain the B&E fisheries harvest
- Min Q-Sal – sequence of monthly inflows that maintains B&E salinity constraint

Monthly values for all three annual targets for the Galveston Bay system are given in *Table ES-2* below. In general, Max H represents a target condition for ultimate production while Min Q-Sal represents a base condition that must be maintained on a more reliable basis.

Table 3-1

Monthly Galveston Bay Inflow Targets

Month	Max H	Min Q	Min Q-Sal
1	150,500	150,500	150,490
2	155,200	216,700	216,700
3	652,800	363,900	363,900
4	632,500	352,600	267,270
5	1,273,700	679,700	309,970
6	839,700	448,100	413,560
7	211,500	232,700	211,500
8	140,000	154,000	140,000
9	103,000	330,200	102,960
10	78,600	251,900	78,600
11	351,500	351,500	164,390
12	626,800	626,800	93,870
TOTAL	**5,215,800**	**4,158,600**	**2,513,210**

Region H formally adopted GBFIG-proposed frequencies for meeting TWDB flow targets during the 2001 cycle of Regional Water Planning. GBFIG proposed a 50 percent frequency of attainment for Max H, 60 percent for Min Q, and 75 percent for Min Q-Sal (2006 Region H RWP). GBFIG-proposed frequencies were presented to the Region H Planning Group during the 2001 Regional Water Planning cycle and were adopted by the Region H Planning Group for the 2001 RWP. For additional information and documentation, please see the 2001 and 2006 Region H RWPs. However, the

GBFIG recommendations do not explicitly address how to measure frequency of attaining these targets, nor do they define a desired frequency for the seasonality (i.e., monthly distribution) of freshwater inflows. For this study, the recommended annual frequency was used as a placeholder for the evaluation of seasonal variations (i.e., monthly distribution). Targets were assumed to be attained for a time period in which the flow met or exceeded the target.

There are several considerations that should be taken into account when interpreting the FTA results. A concern with the approach taken is the validity of assuming that annual GBFIG targets are applicable on a seasonal or monthly basis. Sub-annual time scales are clearly of importance; it is mathematically possible to meet an annual flow target while flows for one or more months could be low enough to be ecologically inadequate. Whether FTA is more critical for some seasons or months than others has not yet been established. The application of the annual GBFIG FTA to monthly targets was made due to a lack of a more reasonable alternative and should be studied further.

While the purpose of this study is not to evaluate B&E needs or develop new flow targets or FTA, the underlying assumption that B&E flow needs are met if the desired FTA is achieved must be considered critically. One potential concern is that this approach does not consider a bracket of flows, but only if the flow equals or exceeds the desired B&E flow. This does not account for the possibility that, in some circumstances, excessive flows may also result in less than optimum conditions. It is important to remember that the State's Max H, Min Q, and Min Q-Sal flow regimes are not made up of individual flow targets but rather represent optimal harvest when all 12 months in a year are at or near the monthly target. However, Espey Consultants (2008) has noted that the pattern of flows defined by Max H does not occur historically; in order to meet the 50% frequency on Max H, the monthly Max H targets would have to be bracketed by ±1,045 percent.

Seasonal FTA is shown in *Table 3-2* below, with monthly FTA shown in *Table 3-3.* Changes from the base model are shown in bold text.

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Table 3-2

Seasonal Frequency of Target Attainment for B&E Flow Targets

Max H																				
Season	**Base**	**BCO**	**BII**	**BSW**	**CMC**	**COH**	**FBO**	**FRU**	**GCR**	**GOC**	**IGW**	**M25**	**MCR**	**NFB**	**NHC**	**NWL**	**RMI**	**SJW**	**SLG**	**WCS**	**WHC**
Spring	44%	44%	44%	44%	44%	44%	44%	44%	44%	44%	44%	44%	44%	44%	44%	44%	44%	44%	44%	44%	44%
Summer	70%	70%	70%	70%	70%	71%	70%	70%	71%	70%	70%	70%	71%	70%	70%	70%	71%	70%	70%	71%	70%
Winter	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%

Min Q																				
Season	**Base**	**BCO**	**BII**	**BSW**	**CMC**	**COH**	**FBO**	**FRU**	**GCR**	**GOC**	**IGW**	**M25**	**MCR**	**NFB**	**NHC**	**NWL**	**RMI**	**SJW**	**SLG**	**WCS**	**WHC**
Spring	64%	64%	64%	64%	64%	65%	64%	64%	65%	65%	64%	64%	65%	65%	64%	64%	65%	64%	64%	65%	64%
Summer	40%	40%	40%	40%	40%	41%	40%	40%	41%	40%	40%	40%	41%	40%	40%	40%	41%	40%	40%	41%	40%
Winter	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%

Min Q-Sal																				
Season	**Base**	**BCO**	**BII**	**BSW**	**CMC**	**COH**	**FBO**	**FRU**	**GCR**	**GOC**	**IGW**	**M25**	**MCR**	**NFB**	**NHC**	**NWL**	**RMI**	**SJW**	**SLG**	**WCS**	**WHC**
Spring	71%	71%	71%	71%	71%	71%	71%	71%	71%	71%	71%	71%	71%	71%	71%	71%	71%	71%	71%	71%	71%
Summer	70%	70%	70%	70%	70%	71%	70%	70%	71%	70%	70%	70%	71%	70%	70%	70%	71%	70%	70%	71%	70%
Winter	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%

Table 3-3a

Monthly Frequency of Target Attainment for B&E Flow Targets – Max H

Max H																					
Month	**Base**	**BCO**	**BII**	**BSW**	**CMC**	**COH**	**FBO**	**FRU**	**GCR**	**GOC**	**IGW**	**M25**	**MCR**	**NFB**	**NHC**	**NWL**	**RMI**	**SJW**	**SLG**	**WCS**	**WHC**
Jan	84%	84%	84%	84%	84%	85%	84%	84%	85%	84%	84%	84%	84%	84%	84%	84%	84%	85%	84%	84%	84%
Feb	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%
Mar	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Apr	41%	41%	41%	41%	41%	41%	41%	41%	41%	41%	41%	41%	41%	41%	41%	41%	41%	41%	41%	41%	41%
May	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%
Jun	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%
Jul	47%	47%	47%	47%	47%	47%	47%	47%	48%	47%	47%	47%	47%	47%	47%	47%	47%	47%	47%	47%	47%
Aug	65%	65%	65%	65%	65%	66%	65%	65%	66%	65%	65%	65%	65%	65%	65%	65%	64%	65%	65%	65%	65%
Sep	91%	91%	91%	91%	91%	92%	91%	91%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	92%
Oct	78%	78%	78%	78%	78%	80%	79%	78%	81%	78%	78%	78%	78%	78%	78%	78%	78%	80%	78%	78%	79%
Nov	47%	47%	47%	47%	47%	48%	48%	47%	48%	47%	48%	47%	47%	47%	48%	47%	47%	48%	47%	47%	48%
Dec	47%	47%	47%	47%	47%	47%	47%	47%	47%	47%	47%	47%	47%	47%	47%	47%	46%	47%	47%	47%	47%

Table 3-3b

Monthly Frequency of Target Attainment for B&E Flow Targets – Min Q

Min Q																					
Month	**Base**	**BCO**	**BII**	**BSW**	**CMC**	**COH**	**FBO**	**FRU**	**GCR**	**GOC**	**IGW**	**M25**	**MCR**	**NFB**	**NHC**	**NWL**	**RMI**	**SJW**	**SLG**	**WCS**	**WHC**
Jan	84%	84%	84%	84%	84%	85%	84%	84%	85%	84%	84%	84%	84%	84%	84%	84%	84%	84%	85%	84%	84%
Feb	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Mar	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%
Apr	69%	69%	69%	69%	69%	70%	69%	69%	70%	69%	70%	69%	69%	70%	69%	69%	69%	69%	70%	69%	69%
May	64%	64%	64%	64%	64%	64%	64%	64%	64%	64%	64%	64%	64%	64%	64%	64%	64%	64%	64%	64%	64%
Jun	56%	56%	56%	56%	56%	56%	56%	56%	56%	56%	56%	56%	56%	56%	56%	56%	56%	55%	56%	56%	56%
Jul	44%	44%	44%	44%	44%	45%	44%	44%	45%	44%	44%	44%	44%	45%	44%	44%	44%	44%	44%	44%	44%
Aug	51%	51%	51%	51%	51%	53%	51%	51%	54%	51%	51%	51%	51%	52%	51%	51%	51%	50%	53%	51%	51%
Sep	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%
Oct	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%
Nov	47%	47%	47%	47%	47%	48%	48%	47%	48%	47%	48%	47%	47%	48%	47%	48%	47%	47%	48%	47%	47%
Dec	47%	47%	47%	47%	47%	47%	47%	47%	47%	47%	47%	47%	47%	47%	47%	47%	47%	46%	47%	47%	47%

Table 3-3c

Monthly Frequency of Target Attainment for B&E Flow Targets – Min Q-Sal

Min Q-Sal																					
Month	**Base**	**BCO**	**BII**	**BSW**	**CMC**	**COH**	**FBO**	**FRU**	**GCR**	**GOC**	**IGW**	**M25**	**MCR**	**NFB**	**NHC**	**NWL**	**RMI**	**SJW**	**SLG**	**WCS**	**WHC**
Jan	84%	84%	84%	84%	84%	85%	84%	84%	85%	84%	84%	84%	84%	84%	84%	84%	84%	84%	85%	84%	84%
Feb	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Mar	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%
Apr	75%	75%	75%	75%	75%	76%	75%	75%	76%	75%	75%	75%	75%	75%	75%	75%	75%	75%	76%	75%	75%
May	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%
Jun	58%	58%	58%	58%	58%	59%	58%	58%	59%	58%	58%	58%	58%	58%	58%	58%	58%	58%	59%	58%	58%
Jul	47%	47%	47%	47%	47%	47%	47%	47%	48%	47%	47%	47%	47%	47%	47%	47%	47%	47%	47%	47%	47%
Aug	65%	65%	65%	65%	65%	66%	65%	65%	66%	65%	65%	65%	65%	65%	65%	65%	65%	64%	65%	65%	65%
Sep	91%	91%	91%	91%	91%	92%	91%	91%	92%	91%	91%	91%	91%	92%	91%	91%	91%	91%	91%	91%	91%
Oct	78%	78%	78%	78%	78%	80%	79%	78%	81%	78%	78%	78%	78%	79%	78%	78%	78%	78%	80%	78%	78%
Nov	73%	73%	73%	73%	73%	74%	74%	73%	74%	73%	73%	73%	73%	74%	73%	73%	73%	73%	73%	73%	73%
Dec	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%

As can be seen from the tables above, the WMS modeled have very little impact on frequency of target attainment. For the adopted goal frequencies of attainment (50 percent for Max H, 60 percent for Min Q, and 75 percent for Min Q-sal), the base model itself fails to reach the desired FTA for a number of months and seasons. At a seasonal level, none of the new WMS examined alters FTA more than 0.7 percent, At the monthly level, changes were noted in greatest amounts for COH GRP, Wastewater Reuse for Municipal Irrigation, GCWA Reclaimed Water from COH, SJRA WRAP, and WHCRWA GRP; these changes were shown to occur primarily between August and October. However, FTA changes by less than four percent from the base model (typically no change). This indicates that on an individual basis the WMS have little impact on B&E flows. A similar conclusion was drawn from the results of the first biennium *Environmental Flows Study.*

3.2 Instream Flows

A list of 26 segments with the potential to be impacted by Region H WMS was developed from a compilation of segments studied in the TWDB Streamflow Assessment found in the 2002 SWP. Regulated flows at the 26 segments were determined for the base (D_0) models as well as for all WMS models. Based on monthly results for the model simulation period, 10th percentile flows were calculated to investigate low flow conditions. For each WMS, 10th percentile flows at each of the 26 segments were compared to the D_0 models. For each WMS, the stream segment with the greatest (absolute) percentage difference from the base model was considered to be the most critical segment for that strategy (see *Exhibit 2*). For the 18 strategy models, six segments were identified in the Brazos, San Jacinto-Brazos and San Jacinto Basins as being particularly influenced by Region H WMS. A summary of the most impacted segments is presented in *Table 4-1.*

Table 4-1

Impacts of WMS Implementation on Critical Stream Segments

WRAP Identifier	Basin	Strategy	10th Percentile Flows		
			D_0 (ac-ft)	Strategy (ac-ft)	Change (%)
CON111	Brazos	Braz. Int. Irrigation	47,571	44,972	-5.5
		GCWA Off-Channel		44,972	-5.5
		BWA Brackish GW		45,510	-4.3
		Sugar Land GRP		44,623	-6.2
BRBR59	Brazos	Brazoria OCR	49,304	47,695	-3.3
		Missouri City GRP		46,698	-5.3
		Fulshear Reuse		47,854	-2.9
		FBC MUD 25 Reuse		48,063	-2.5
		GCWA Reclaimed		46,088	6.5
		NFBWA GRP		47,213	-4.2
		New Wells for Livestock		46,424	-5.8
		Reclamation Mun. Irr.		47,248	-4.2
532801	Brazos	Fort Bend OCR	41,101	40,513	-1.4
SJGBC3	San Jacinto-Brazos	Interim Strategies	1,955	2,113	8.0
A5191P	San Jacinto	WHCRWA GRP	59,845	60,532	1.2
SPSP	San Jacinto	NHCRWA GRP	1,460	1,727	18.2
		SJRA WRAP		3,311	126.3
1009	San Jacinto	COH GRP	1,996	2,116	6.1

In the San Jacinto and San Jacinto-Brazos basins, the WMS showed increases in 10th percentile flow at critical segments, primarily due to increased return flows from points of use from WUGs increasing their usage of groundwater over time. Note that at the same time that these WUGs are increasing their groundwater use, other WUGs participating in the same GRPs will be converting to surface water, so that the total percentage of water usage in the GRP group will be within subsidence district limits. Increased return flows from WUGs converting from groundwater to surface water were not modeled as return flows would for those WUGs would simply shift from groundwater-based to surface water-based. Ultimately, the changes in 10th percentile flow caused by GRPs is largely an artifact of increasing demand. The increase in 10th percentile flows for Interim Strategies is also caused by increased groundwater-based return flows from point-of-use WUGs.

The most highly impacted segments in the Brazos basin all showed decreases in 10th percentile flows, although changes tended to be relatively small (6.2 percent or less). This reduction in flows is not surprising for reclamation / reuse strategies, as flows that would formerly move downstream are reduced. The reduction in flow caused by Brazoria County Interruptible Supplies for Irrigation is also reasonable, as a greater volume of water is being diverted beyond the firm yield of existing permits (possibly during lower-flow periods). Similarly, the GCWA Off-Channel Reservoir, Fort Bend OCR, and Brazoria County OCR would firm up interruptible portions of flow, resulting in greater total diversions from the stream system. The reduction in flow caused by the Missouri City and Sugar Land GRPs may initially seem counterintuitive, as the remaining GRPs listed resulted in positive increases in streamflow. However, please note that these two GRPs also include a reuse component which could lower 10th percentile flows at some locations.

Section 4 - Conclusions

As shown in the sections above, the impacts of new individual WMS as detailed in the 2011 Region H RWP are not anticipated to create major impacts to B&E flows, nor to substantially reduce low (10^{th} percentile) flows at critical stream segments. Frequencies of attaining B&E flow targets at GBFIG-established frequencies was almost unchanged, with changes noted for only a few strategies; even for those strategies, changes were within two percentage points of the base model. Both positive and negative changes to 10th percentile flows at critical segments were found, with positive changes occurring in the San Jacinto and San Jacinto-Brazos basins and negative changes in the Brazos basin. Overall, the negative changes were relatively small, ranging from 2.5 to 6.2 percent reduction in 10^{th} percentile flow at the critical segments. The impact to critical stream segment low flows should be considered when evaluating WMS, particularly for projects consisting wholly or partly of reuse. Overall, however, the small magnitude of change for critical segments and the limited impacts on B&E inflow suggests that the seventeen WMS are not likely to individually create substantial alterations to B&E inflows or critical stream segment low flows.

Whether these strategies will have an additive effect when implemented together is unknown; based on the results of the 1^{st} biennium *Environmental Flows Study*, it is possible that greater impacts would be realized with when the projects are operating simultaneously. More study would be required to determine if this is the case for new WMS.

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Attachment N:

Amended excerpts from Chapter 5: Impacts of Management Strategies on Water Quality and Impacts of Moving Water from Rural and Agricultural Areas

LLWSSSC Surface Water Project
Luce Bayou Transfer
NFBWA Internal Distribution
NFBWA Shared Transmission Line
NHCRWA Internal 2010 Distribution
NHCRWA Internal 2020 Distribution
NHCRWA Internal 2030 Distribution
NHCRWA Transmission 2010
NHCRWA Transmission 2020
NHCRWA Transmission 2030
Pearland SWTP
Sealy GW Treatment Expansion
WHCRWA Internal Distribution
WHCRWA Transmission Line

Reservoir Strategies:

Allens Creek Reservoir
Brazoria County Off-channel Reservoir
Dow Off-Channel Reservoir
Fort Bend County Off-channel Reservoir
GCWA Off-channel Reservoir

Reuse Strategies:

Fulshear Reuse
GCWA Reclaimed Water from City of Houston
Houston Indirect Reuse
Montgomery MUD 8/9 Indirect Reuse
NHCRWA Indirect Reuse
Wastewater Reuse for Industry
Wastewater Reclamation for Mun. Irrigation

Permit Strategies:

BRA System Operations Permit
Houston Bayous Permit

Other Strategies:

Brazoria Co. Interruptible Supplies for Irr.
Freeport Desalination Plant
Brazos Saltwater Barrier

Alternative Water Management Strategies

Montgomery MUD 8/9 Brackish Water Desalination
Sabine to Region H Transfer
Little River Off-channel Reservoir

The following paragraphs discuss the impacts of each management strategy on the chosen water quality parameters.

Increased Groundwater Usage, including Expanded Use of Groundwater, Interim Groundwater, and New Groundwater Wells, is not expected to have significant environmental effects. Groundwater within the Region is generally of good quality and available at the point of use. Increases in well pumping will also contribute to return flows in all river basins in Region H. The return flows will increase in proportion to increased groundwater use and significantly contribute to flows into Galveston Bay. Increased and interim groundwater pumping in the region will continue to be monitored by groundwater regulatory agencies since excessive pumping can lead to land subsidence and exacerbate flooding and drainage problems.

operated as “scalping reservoirs”. During times of high flow, water quality in the Brazos River is often poor in terms of suspended solids due to increased sediment loads. At the same time, that water is of better quality in terms of dissolved solids concentrations since the salt being introduced into the Brazos in its upper reaches is diluted. The water that is diverted and stored in reservoirs would allow sediments to settle and accordingly water released from the reservoir would potentially have less sediment concentration. However, reduced sediment loads may have negative impacts on habitats relying on sediments downstream of the proposed reservoirs. Nutrients such as nitrogen and phosphorous are often attached to fine sediment particles that settle in reservoirs reducing nutrient loads to downstream aquatic species. Water that is released from the reservoirs during low flow conditions would have a beneficial effect by diluting the low flow salt concentration in the river. The GCWA Off-channel Reservoir is not expected to create any new water quality issues. The reservoir will allow the GCWA to use supplies from existing water right permits more efficiently.

New Contracts from Existing Supplies, including Expand/Increase Current Contracts, Reallocation of Existing Supplies, CLCND West Chambers System, Brazoria County Interruptible Irrigation, the TRA to Houston Contract, the TRA to SJRA Contract, and Groundwater Reduction Plans (GRPs) are not expected to create any new water quality issues. Fully utilizing existing water supplies may amplify some existing concerns, particularly contaminant concentrations due to reduced opportunities for in-stream dilution. The continued return of flows via wastewater treatment facility discharges will provide some mitigation of that effect. Typical municipal return flows are 60 percent of the total quantity diverted for use.

The Luce Bayou Interbasin Transfer will potentially improve the quality of Lake Houston, due to the blending with water from the Trinity River. However, recent studies performed by the Luce Bayou program have not indicated that this will be the case. Transfers such as this allow an increased opportunity for invasive species migration from the source to receiving waters. Additionally, the transfer will potentially reduce flow in the Trinity River below Dayton, because the Lake Livingston water rights are not fully utilized today. The effects of this reduced flow in the Trinity are mitigated by the existence of the Wallisville Saltwater Barrier at the mouth of the river, which maintains a minimum river level for navigation and prevents the migration of brackish water upstream.

Wastewater Reuse by Houston, GCWA, NHCRWA and Fort Bend MUD 25, Montgomery County MUDs 8&9, Wastewater Reuse for Industry, and reuse strategies implemented as part of a Groundwater Reduction Plan (GRP) will potentially reduce in-stream flows, thus concentrating any in-stream contaminants. However, the reuse process should remove a portion of the waste load discharged from these facilities, either through the secondary treatment process or simply by the rerouting of effluent. A concern for this strategy would be the disposal method for any liquid wastes from the secondary treatment. In the case of industrial reuse, the reverse-osmosis discharge water would be injected into the bottom of the Houston Ship Channel, into an already brackish zone. The Houston Ship Channel is dredged to a depth of 45-feet (five times the depth of Galveston Bay) with fresh water flowing to the bay at the top and salt water returning on the tides at the bottom. The reverse-osmosis discharge and resultant mixing would be in the salt water layer at the bottom of this channel, increasing the salinity in the brackish zone. Further investigation will be required to determine the full environmental impacts of the reverse osmosis discharge. This reuse is not projected to occur until a time when the overall water use of the region has increased. Wastewater return flows will increase proportionally, so that the reuse of this portion will not constitute a significant reduction below current return flows.

Infrastructure and transmission line expansions including the COH infrastructure expansion, CHCRWA, NFBWA, NHCRWA, and WHCRWA transmission lines, SJRA WRAP and Water Treatment Plant strategies for Brazosport Water Authority, Pearland, Huntsville, Harris County MUD #50, Sealy and the Lake Livingston Water Supply and Sewer Service Company (LLWSSSC) are not expected to create any new water quality issues. The water management strategies are associated with the transmission of existing supplies to new and increased contractual demands of each wholesale water provider.

Attachment O:

Summary of database entries anticipated for DB12

DB12 Entries: GCWA Reclaimed Water from City of Houston

WMS Project

Sponsor Region:	H
WMS Project ID:	
WMS Project Name:	GCWA RECLAIMED WATER FROM COH
WMS Description:	Reclaimed wastewater from the COH Southwest WWTP.
WMS Type:	R : REUSE
WMS Infrastructure:	PIPELINE
Additional RWPGs:	None
Inclued in State Water Plan:	Y

Source(s)

Source Region	Source Name	County Name	Basin Name	Source ID	Source Type
H	ECT REUSE HARRIS CO	HARRIS	SAN JACINTO	3510101	R
Is Source Supply selected for Rollup?			Y		
Is Source Cost selected for Rollup?			Y		

County Name:	HARRIS	**Water Quality Improvements**	WATER QUALITY IMPROV
County ID:	101	**Online Data**	2020
Basin Name:	SAN JACINTO	**WMS Funding Date**	2020
Basin ID:	10		
Include in State Water Plan?		Y	
Include WMS Source Total Yield numbers in WMS Project Total Yield Rollup?		Y	
Include WMS Source Cost numbers in WMS Project Cost Rollup?		Y	

1.

Sponsor Region:	**WWP Name:**					
H	GULF COSAT WATER AUTHORITY					
	2010:	**2020:**	**2030:**	**2040:**	**2050:**	**2060:**
Total Strategy Supply Volume for this WWP:	0	56,896	56,896	56,896	56,896	56,896

Recommendation Type?	**Is Used to Meet Need?**				**IBT?**	
Recommended	Y				Y	
Include WWP WMS Cost numbers in WMS Source Cost Rollup?	Y					
	2010:	**2020:**	**2030:**	**2040:**	**2050:**	**2060:**
WWP WMS Annual Cost:	$0	$7,912,181	$7,912,181	$2,319,051	$2,319,051	$2,319,051
WWP Capital Costs:	$66,840,044					
Term of Debt Service:	20					

DB12 Entries: COH to GCWA Contract

WMS Project

Sponsor Region:	H
WMS Project ID:	
WMS Project Name:	COH TO GCWA CONTRACT
WMS Description:	COH to GCWA contract
WMS Type:	R : REUSE
WMS Infrastructure:	NO INFRASTRUCTURE
Additional RWPGs:	None
Inclued in State Water Plan:	Y

Source(s)

Source Region	Source Name	County Name	Basin Name	Source ID	Source Type
H	ECT REUSE HARRIS CO	HARRIS	SAN JACINTO	3510101	R
Is Source Supply selected for Rollup?			Y		
Is Source Cost selected for Rollup?			Y		

County Name:	HARRIS	**Water Quality Improvements**	: NO WATER QUALITY IMPROVEME
County ID:	101	**Online Data**	2020
Basin Name:	SAN JACINTO	**WMS Funding Date**	2020
Basin ID:	10		
Include in State Water Plan?		Y	
Include WMS Source Total Yield numbers in WMS Project Total Yield Rollup?		Y	
Include WMS Source Cost numbers in WMS Project Cost Rollup?		Y	

1.

Sponsor Region:	WWP Name:					
H	GULF COAST WATER AUTHORITY					
	2010:	**2020:**	**2030:**	**2040:**	**2050:**	**2060:**
Total Strategy Supply Volume for this WWP:	0	56,896	56,896	56,896	56,896	56,896

Recommendation Type?	Is Used to Meet Need?				IBT?	
Recommended	Y				Y	
Include WWP WMS Cost numbers in WMS Source Cost Rollup?	Y					
	2010:	**2020:**	**2030:**	**2040:**	**2050:**	**2060:**
WWP WMS Annual Cost:	$0	$0	$0	$0	$0	$0
WWP Capital Costs:	$0					
Term of Debt Service:	0					

DB12 Entries: GCWA to WUG Contracts

WMS Project

Sponsor Region:	H
WMS Project ID:	H07-WUGC10
WMS Project Name:	BGC
WMS Description:	Contract with Gulf Coast Water Authority
WMS Type:	R : REUSE
WMS Infrastructure:	PIPELINE
Additional RWPGs:	None
Inclued in State Water Plan:	Y

Source(s)

Source Region	Source Name	County Name	Basin Name	Source ID	Source Type
H	ECT REUSE HARRIS CO	HARRIS	SAN JACINTO	3510101	R
Is Source Supply selected for Rollup?			Y		
Is Source Cost selected for Rollup?			Y		

County Name:	HARRIS	**Water Quality Improvements**	WATER QUALITY IMPRO
County ID:	101	**Online Data**	2020
Basin Name:	SAN JACINTO	**WMS Funding Date**	2020
Basin ID:	10		
Includes in State Water Plan		Y	
Include WMS Source Total Yield numbers in WMS Project Total Yield Rollup?		Y	
Include WMS Source Cost numbers in WMS Project Cost Rollup?		Y	

1

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	ALVIN	NONE	080013000		BRAZORIA		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	0	41	84	152	229
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?		IBT?
Recommended	Y		Y
Seller's Name:	**Seller's Alpha:**	**WWP ID:**	**WUG ID:**
GULF COAST WATER AUTHORITY	325	120108170	N/A
Recursive WMS Supply?:	**Recursive WMS Project ID:**		
N			
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y		

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$0	$56,995	$116,753	$171,891	$237,423
WUG Capital Costs:	$2,498,222					
Term of Debt Service:	20					

2

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	BACLIFF MUD	NONE	084012000		GALVESTON		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	838	828	813	794	772
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?		IBT?
Recommended	Y		Y
Seller's Name:	**Seller's Alpha:**	**WWP ID:**	**WUG ID:**
GULF COAST WATER AUTHORITY	325	120108170	N/A
Recursive WMS Supply?:	**Recursive WMS Project ID:**		
N			
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y		

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$158,825	$158,579	$39,705	$39,238	$38,698
WUG Capital Costs:	$1,359,254					
Term of Debt Service:	20					

3

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	BAYOU VISTA	NONE	080759000		GALVESTON		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	217	215	211	206	200
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?		IBT?
Recommended	Y		Y
Seller's Name:	**Seller's Alpha:**	**WWP ID:**	**WUG ID:**
GULF COAST WATER AUTHORITY	325	120108170	N/A
Recursive WMS Supply?:	**Recursive WMS Project ID:**		
N			
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y		

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$51,861	$51,812	$10,510	$10,387	$10,240
WUG Capital Costs:	$472,601					
Term of Debt Service:	20					

DB12 Entries: GCWA to WUG Contracts

4

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	CLEAR LAKE SHORES	NONE	080764000		GALVESTON		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	101	101	99	97	94
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?		IBT?			
Recommended	Y		Y			
Seller's Name:	Seller's Alpha:	WWP ID:			WUG ID:	
GULF COAST WATER AUTHORITY	325	120108170			N/A	
Recursive WMS Supply?:	Recursive WMS Project ID:					
N						
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y					
	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$29,073	$29,073	$4,918	$4,869	$4,795
WUG Capital Costs:	$276,494					
Term of Debt Service:	20					

5

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	COUNTY-OTHER	NONE	080757084		GALVESTON		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	1,228	1,213	1,191	1,164	1,130
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?		IBT?			
Recommended	Y		Y			
Seller's Name:	Seller's Alpha:	WWP ID:			WUG ID:	
GULF COAST WATER AUTHORITY	325	120108170			N/A	
Recursive WMS Supply?:	Recursive WMS Project ID:					
N						
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y					
	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$246,029	$245,660	$58,741	$58,078	$57,243
WUG Capital Costs:	$2,137,743					
Term of Debt Service:	20					

6

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	VESTON COUNTY WCID	NONE	084136000		GALVESTON		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	1,292	1,276	1,253	1,224	1,189
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?		IBT?			
Recommended	Y		Y			
Seller's Name:	Seller's Alpha:	WWP ID:			WUG ID:	
GULF COAST WATER AUTHORITY	325	120108170			N/A	
Recursive WMS Supply?:	Recursive WMS Project ID:					
N						
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y					
	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$258,054	$257,661	$61,757	$61,045	$60,186
WUG Capital Costs:	$2,240,523					
Term of Debt Service:	20					

7

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	HITCHCOCK	NONE	080279000		GALVESTON		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	801	791	777	759	737
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?		IBT?			
Recommended	Y		Y			
Seller's Name:	Seller's Alpha:	WWP ID:			WUG ID:	
GULF COAST WATER AUTHORITY	325	120108170			N/A	
Recursive WMS Supply?:	Recursive WMS Project ID:					
N						
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y					
	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$164,988	$164,742	$38,501	$38,059	$37,519
WUG Capital Costs:	$1,444,037					
Term of Debt Service:	20					

DB12 Entries: GCWA to WUG Contracts

8

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	KEMAH	NONE	080316000		GALVESTON		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	114	122	122	121	120
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?	IBT?
Recommended	Y	Y
Seller's Name:	**Seller's Alpha:**	**WWP ID:**	**WUG ID:**
GULF COAST WATER AUTHORITY	325	120108170	N/A
Recursive WMS Supply?:	**Recursive WMS Project ID:**	
N		
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y	

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$22,301	$23,880	$7,159	$5,776	$5,579
WUG Capital Costs:	$201,986					
Term of Debt Service:	20					

9

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	LA MARQUE	NONE	080342000		GALVESTON		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	1,342	1,326	1,302	1,272	1,235
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?	IBT?
Recommended	Y	Y
Seller's Name:	**Seller's Alpha:**	**WWP ID:**	**WUG ID:**
GULF COAST WATER AUTHORITY	325	120108170	N/A
Recursive WMS Supply?:	**Recursive WMS Project ID:**	
N		
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y	

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$267,428	$267,035	$64,125	$63,388	$62,479
WUG Capital Costs:	$2,320,604					
Term of Debt Service:	20					

10

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	LEAGUE CITY	NONE	080350000		GALVESTON		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	2,890	3,001	2,975	2,940	2,894
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?	IBT?
Recommended	Y	Y
Seller's Name:	**Seller's Alpha:**	**WWP ID:**	**WUG ID:**
GULF COAST WATER AUTHORITY	325	120108170	N/A
Recursive WMS Supply?:	**Recursive WMS Project ID:**	
N		
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y	

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$466,357	$487,946	$144,327	$121,252	$116,035
WUG Capital Costs:	$3,886,338					
Term of Debt Service:	20					

11

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	MANUFACTURING	NONE	081001084		GALVESTON		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	28,631	28,291	27,776	27,129	26,352
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?	IBT?
Recommended	Y	Y
Seller's Name:	**Seller's Alpha:**	**WWP ID:**	**WUG ID:**
GULF COAST WATER AUTHORITY	325	120108170	N/A
Recursive WMS Supply?:	**Recursive WMS Project ID:**	
N		
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y	

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	#########	#########	#########	#########	#########
WUG Capital Costs:	$124,034,330					
Term of Debt Service:	20					

DB12 Entries: GCWA to WUG Contracts

12

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	MANVEL	NONE	080721000		BRAZORIA		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	21	18	18	19	20
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?	IBT?
Recommended	Y	Y
Seller's Name:	**Seller's Alpha:**	**WWP ID:** / **WUG ID:**
GULF COAST WATER AUTHORITY	325	120108170 / N/A
Recursive WMS Supply?:	**Recursive WMS Project ID:**	
N		
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y	

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$29,222	$29,123	$9,052	$9,084	$7,757
WUG Capital Costs:	$219,256					
Term of Debt Service:	20					

13

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	PEARLAND	NONE	080457000		BRAZORIA		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	6,342	6,498	7,004	7,655	8,470
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?	IBT?
Recommended	Y	Y
Seller's Name:	**Seller's Alpha:**	**WWP ID:** / **WUG ID:**
GULF COAST WATER AUTHORITY	325	120108170 / N/A
Recursive WMS Supply?:	**Recursive WMS Project ID:**	
N		
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y	

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$6,476,402	$6,693,386	$3,679,428	$4,424,868	$5,058,080
WUG Capital Costs:	$65,464,844					
Term of Debt Service:	20					

14

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	SAN LEON MUD	NONE	084329000		GALVESTON		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	1,389	1,372	1,347	1,316	1,278
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?	IBT?
Recommended	Y	Y
Seller's Name:	**Seller's Alpha:**	**WWP ID:** / **WUG ID:**
GULF COAST WATER AUTHORITY	325	120108170 / N/A
Recursive WMS Supply?:	**Recursive WMS Project ID:**	
N		
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y	

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$253,721	$253,304	$64,493	$63,732	$62,799
WUG Capital Costs:	$2,158,601					
Term of Debt Service:	20					

15

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	SANTA FE	NONE	080743000		GALVESTON		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	483	477	469	458	445
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?	IBT?
Recommended	Y	Y
Seller's Name:	**Seller's Alpha:**	**WWP ID:** / **WUG ID:**
GULF COAST WATER AUTHORITY	325	120108170 / N/A
Recursive WMS Supply?:	**Recursive WMS Project ID:**	
N		
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y	

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$103,718	$103,571	$23,309	$23,039	$22,720
WUG Capital Costs:	$918,341					
Term of Debt Service:	20					

DB12 Entries: GCWA to WUG Contracts

16

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	TEAM ELECTRIC POWE	NONE	081002084		GALVESTON		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	1,512	1,746	2,050	2,403	2,807
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?	IBT?
Recommended	Y	Y
Seller's Name:	**Seller's Alpha:**	**WWP ID:**	**WUG ID:**
GULF COAST WATER AUTHORITY	325	120108170	N/A
Recursive WMS Supply?:	**Recursive WMS Project ID:**
N	
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$299,155	$345,202	$179,005	$213,747	$248,156
WUG Capital Costs:	$4,779,876					
Term of Debt Service:	20					

17

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	TEXAS CITY	NONE	080602000		GALVESTON		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	9,258	9,148	8,981	8,773	8,521
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?	IBT?
Recommended	Y	Y
Seller's Name:	**Seller's Alpha:**	**WWP ID:**	**WUG ID:**
GULF COAST WATER AUTHORITY	325	120108170	N/A
Recursive WMS Supply?:	**Recursive WMS Project ID:**
N	
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$974,509	$971,808	$329,931	$324,823	$318,635
WUG Capital Costs:	$7,315,253					
Term of Debt Service:	20					

18

WUG Region:	WUG Name:	WUG Detail:	WUG ID:		County Name:		Basin Name:	
H	TIKI ISLAND	NONE	080973000		GALVESTON		SAN JACINTO-BRAZOS	
			2010:	2020:	2030:	2040:	2050:	2060:
Total Strategy Supply Volume for this WUG:			0	437	432	424	414	403
Is WUG selected for Rollup?			Y					
Is WUG Cost selected for Rollup?			Y					

Recommendation Type?	Is Used to Meet Need?	IBT?
Recommended	Y	Y
Seller's Name:	**Seller's Alpha:**	**WWP ID:**	**WUG ID:**
GULF COAST WATER AUTHORITY	325	120108170	N/A
Recursive WMS Supply?:	**Recursive WMS Project ID:**
N	
Include WUG WMS Cost numbers in WMS Source Cost Rollup?	Y

	2010:	2020:	2030:	2040:	2050:	2060:
WUG WMS Annual Cost:	$0	$94,791	$94,668	$21,092	$20,847	$20,577
WUG Capital Costs:	$841,650					
Term of Debt Service:	20					

Agenda Item 8

Consider authorizing the San Jacinto River Authority to use funds from the Region H Local Contribution Account to pay for a single audit report on 2014 Region H expenses.

Sandersen Knox & Co, L.L.P.
Certified Public Accountants
130 Industrial Blvd., Suite 130 • Sugar Land, Texas 77478 • 281/242-3232 • Fax 281/242-3252 • www.sktx.com

San Jacinto River Authority
P.O. Box 329
Conroe, TX 77305

Date: 11/30/2014
Invoice No: 18139

Req # 4994
PO# 15-0250

Final billing for professional services rendered in connection with the audit of the Authority's financial statements for the year ended August 31, 2014, including procedures for single audit.	$12,250.00
Requesting Break out	
Invoice Total:	$12,250.00

RECEIVED
DEC 03 2014
BY: ACCOUNTS PAYABLE

GF
$7,500

Region H $4,750
Single Audit
pr. John Knox
12/8/14

RH.14.92020

Chersinna -
Please do Req
for $4,750
to RH.14.92020
Comment - ADD to
PO 15-0250

W-9 Information
Entity Type: Partnership
EIN: 26-2656371

Visa or MasterCard Accepted

San Jacinto River Authority

STATE SINGLE AUDIT REPORT

Year Ended
August 31, 2014

San Jacinto River Authority

STATE SINGLE AUDIT REPORT

Year Ended August 31, 2014

TABLE OF CONTENTS

Sandersen Knox & Co, L.L.P.
Certified Public Accountants
130 Industrial Blvd, Suite 130 · Sugar Land, Texas 77478 · 281/242-3232 · fax 281/242-3252 · www.sktx.com

INDEPENDENT AUDITORS' REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH *GOVERNMENT AUDITING STANDARDS*

To the Board of Directors
San Jacinto River Authority
Montgomery County, Texas

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the business-type activities and each major fund of the San Jacinto River Authority (the "Authority") as of and for the year ended August, 31, 2014, and the related notes to the financial statements, which collectively comprise the Authority's basic financial statements, and have issued our report thereon dated November 21, 2014.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the Authority's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the Authority's internal control. Accordingly, we do not express an opinion on the effectiveness of the Authority's internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or, significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the Authority's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Sugar Land, Texas
November 21, 2014

Sandersen Knox & Co, L.L.P.
Certified Public Accountants
130 Industrial Blvd, Suite 130 · Sugar Land, Texas 77478 · 281/242-3232 · fax 281/242-3252 · www.sktx.com

INDEPENDENT AUDITORS' REPORT ON COMPLIANCE FOR EACH MAJOR PROGRAM AND ON INTERNAL CONTROL OVER COMPLIANCE REQUIRED BY *OMB CIRCULAR A-133* AND THE UNIFORM GRANT MANAGEMENT STANDARDS *CHAPTER IV STATE OF TEXAS SINGLE AUDIT CIRCULAR*

To the Board of Directors
San Jacinto River Authority
Montgomery County, Texas

Report on Compliance for Each Major State Program

We have audited the San Jacinto River Authority's (the "Authority") compliance with the types of compliance requirements described in the *OMB Circular A-133 Compliance Supplement* and Uniform Grant Management Standards *Chapter IV State of Texas Single Audit Circular* that could have a direct and material effect on each of the Authority's major state programs for the year ended August 31, 2014. The Authority's major state programs are identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs.

Management's Responsibility

Management is responsible for compliance with the requirements of laws, regulations, contracts, and grants applicable to its state programs.

Auditors' Responsibility

Our responsibility is to express an opinion on compliance for each of the Authority's major state programs based on our audit of the types of compliance requirements referred to above. We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; *OMB Circular A-133*, *Audits of States, Local Governments, and Non-Profit Organizations*; and, Uniform Grant Management Standards *Chapter IV State of Texas Single Audit Circular*. Those standards and OMB Circular A-133 require that we plan and perform the audit to obtain reasonable assurance about whether noncompliance with the types of compliance requirements referred to above that could have a direct and material effect on a major state program occurred. An audit includes examining, on a test basis, evidence about the Authority's compliance with those requirements and performing such other procedures as we considered necessary in the circumstances.

We believe that our audit provides a reasonable basis for our opinion on compliance for each major state program. However, our audit does not provide a legal determination of the Authority's compliance.

Opinion on Each Major State Program

In our opinion, the Authority complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of its major state programs for the year ended August 31, 2014.

Report on Internal Control Over Compliance

Management of the Authority is responsible for establishing and maintaining effective internal control over compliance with the types of compliance requirements referred to above. In planning and performing our audit of compliance, we considered the Authority's internal control over compliance with the types of requirements that could have a direct and material effect on each major state program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing an opinion on compliance for each major state program and to test and report on internal control over compliance in accordance with *OMB Circular A-133* and Uniform Grant Management Standards *Chapter IV State of Texas Single Audit Circular*, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of the Authority's internal control over compliance.

A *deficiency in internal control over compliance* exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a state program on a timely basis. A *material weakness in internal control over compliance* is a deficiency, or combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a state program will not be prevented, or detected and corrected, on a timely basis. A *significant deficiency in internal control over compliance* is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a state program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.

Our consideration of internal control over compliance was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

Report on Schedule of Expenditures of State Awards Required by *OMB Circular A-133* and Uniform Grant Management Standards *Chapter IV State of Texas Single Audit Circular*

We have audited the financial statements of the business-type activities and each major fund of the Authority, as of and for the year ended August 31, 2014, and the related notes to the financial statements, which collectively comprise the Authority's basic financial statements. We issued our report thereon dated November 21, 2014, which contained unmodified opinions on those financial statements. Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the basic financial statements. The accompanying schedule of expenditures of state awards is presented for purposes of additional analysis as required by *OMB Circular A-133* and Uniform Grant Management Standards *Chapter IV State of Texas Single Audit Circular* and is not a required part of the basic financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. The information has been subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the schedule of expenditures of state awards is fairly stated in all material respects in relation to the basic financial statements as a whole.

The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of *OMB Circular A-133* and Uniform Grant Management Standards *Chapter IV State of Texas Single Audit Circular*. Accordingly, this report is not suitable for any other purpose.

Sugar Land, Texas
November 21, 2014

SCHEDULE OF EXPENDITURES OF STATE AWARDS

San Jacinto River Authority

SCHEDULE OF EXPENDITURES OF STATE AWARDS

For the Year Ended August 31, 2014

STATE GRANTOR/PROGRAM TITLE	CONTRACT NUMBER	CONTRACT TERM	PROGRAM EXPENDITURES
STATE AWARDS:			
Texas Water Development Board			
Direct Program			
Research and Planning Fund			
Regional Water Planning Grant	1148301319	6/22/11-3/31/15	$ 518,619
Total Texas Water Development Board			518,619
Total State Awards			$ 518,619

San Jacinto River Authority

NOTES TO SCHEDULE OF EXPENDITURES OF STATE AWARDS

For the Year Ended August 31, 2014

NOTE 1 – BASIS OF ACCOUNTING

The accompanying schedule of expenditures of state awards includes the state grant activity of the San Jacinto River Authority, and is presented on the modified accrual basis of accounting. The information in this schedule is presented in accordance with the requirements of *OMB Circular A-133, Audits of States, Local Governments, and Non-Profit Organizations* and the Uniform Grant Management Standards *Chapter IV State of Texas Single Audit Circular*. Therefore, some amounts presented in this schedule may differ from amounts presented in, or used in the preparation of the financial statements.

The expenditures of state awards are reported in the San Jacinto River Authority Comprehensive Annual Financial Report, within the statement of revenues, expenditures and changes in net position. Expenditures are recorded when the liability is incurred.

State grant funds are considered to be earned to the extent of expenditures made under the provisions of the grant and, accordingly, when such funds are received, they are recorded as unearned revenues until earned. Generally, unused balances are returned to the grantor at the close of specified projects.

NOTE 2 – RECONCILIATION TO FINANCIAL STATEMENTS

The following is a reconciliation of state awards per the Schedule of Expenditures of State Awards ("Schedule of FFA") to Exhibit A-4 of the Comprehensive Annual Financial Report:

Expenditures of state awards per Schedule of FFA	$	518,619
Total State Awards per Schedule of FFA	$	518,619
Related Expenditures per Exhibit A-4 of Comprehensive Annual Financial Report	$	518,619

San Jacinto River Authority

SCHEDULE OF FINDINGS AND QUESTIONED COSTS

For the Year Ended August 31, 2014

PART I - SUMMARY OF AUDITORS' RESULTS

Financial Statement Section:

Type of auditors' report issued	Unmodified
Internal control over financial reporting:	
• Material weaknesses identified?	No
• Significant deficiencies identified, but not considered to be material weaknesses?	No
• Noncompliance material to financial statements noted?	No

State Awards Section:

Internal control over major programs:	
• Material weaknesses identified?	No
• Significant deficiencies identified, but not considered to be material weaknesses?	No
Type of auditor's report on compliance for major programs	Unmodified
Any audit findings disclosed that are required to be reported in accordance with section 501(a) OMB Circular A-133?	No

Identification of Major Programs:

Name of State Program	**Contract Number**
Research and Planning Fund Regional Water Planning Grant	1148301319

Dollar threshold used to distinguish between Type A and Type B programs:	$300,000
Auditee qualified as a low-risk auditee?	No

PART II - FINANCIAL STATEMENT FINDINGS

No financial statement findings were noted.

PART III - STATE AWARD FINDINGS AND QUESTIONED COSTS

No state award findings or questioned costs were noted.

PART IV - STATUS OF PRIOR YEAR FINDINGS AND QUESTIONED COSTS

No prior year findings or questioned costs were reported.

San Jacinto River Authority

SCHEDULE OF FINDINGS AND QUESTIONED COSTS

For the Year Ended August 31, 2014

PART V - CORRECTIVE ACTION PLAN

No corrective action plan is required to be reported.

Agenda Item 9

Consider authorizing the San Jacinto River Authority to use funds from the Region H Local Contribution Account to pay for renewal of Directors and Officers Liability Insurance for Region H Planning Group members.

Adding to our Financial Strength!

Great American Insurance Company receives a ratings **upgrade** from A.M. Best!

The Financial Strength Rating (FSR) of Great American Insurance Company and its pooling affiliates has been upgraded to **"A+" (Superior).**

The FSR serves as an indicator of A.M. Best's opinion of our ability to meet ongoing insurance policy and contract obligations. That means in the unfortunate case of a claim, you can rest assured that we'll be able to meet our obligations.

The ratings upgrade is based on A.M. Best's opinion that Great American has sustained solid financial fundamentals, strong profitability and good market position in a diverse group of specialty niche industries.

We're proud of this upgrade, and Great American Insurance Company's heritage as one of only four insurance companies that have earned an "A" or higher rating from A.M. Best for more than 100 consecutive years.

Want to deliver a financially strong and stable company to your clients? Give them Great American!

GREAT AMERICAN INSURANCE GROUP

Executive Liability Division
1515 Woodfield Road, Suite 500
Schaumburg, IL 60173-5437

QUOTATION FOR INSURANCE

Joanna K. Kanzia
(847) 330-6757
jtsergas@gaig.com

Date: January 6, 2015 **Quotation #**: AR9425817

Proposed Insured: The Directors and Officers of:
REGION H WATER PLANNING GROUP
CONROE, TX 77305

Agent/Broker: CRC DALLAS
13737 NOEL ROAD, 10TH FLOOR
DALLAS, TX 75240
Attn: MS. CLAUDIA MARTINEZ

Subject to the terms and conditions contained herein, ***GREAT AMERICAN INSURANCE CO.*** *hereby offers to issue to the above proposed Insured:*

Policy form: D16100-G Non-Profit Executive Protection and Employment Practices

Endorsements:

D0046TX	POLICYHOLDER NOTICE TEXAS
D16047TX	TEXAS AMENDATORY ENDORSEMENT
D16501	RATE MAKING EXCLUSION
D16518	INTERESTED PARTY EXCLUSION
DTCV_09P	COVERAGE FOR ACTS OF TERRORISM
DTDP_09P	AMENDMENT TO DECLARATIONS PAGE

Conditions:

This quotation is subject to the following conditions:
None

Unless otherwise noted, this quote includes:
-A $10,000 Donor Data Loss Crisis Fund Sublimit.
-A $150,000 FLSA Defense Sublimit of Liability, except when EPL coverage is deleted by endorsement.

Non-Profit Executive Protection and Employment Practices

Date: January 6, 2015 **Quotation #:** AR9425817

D & O LIMIT	EPL LIMIT	FIDUCIARY LIMIT	RETENTION (each loss) D&O/EPL	ANNUAL PREMIUM
$1,000,000	SHARED		$2,500	$911

Premium: $911.00
Broker Fee $500.00
Total: $1,411.00

Options:

1. PLEASE NOTE: This quote is null and void if there are any claims other than those previously disclosed.
2. ** A TWO-YEAR policy is available for two installments of the annual premium selected above. **
   The two-year policy option must be selected prior to binding and it features:
   A fresh Limit of Liability for the second year.
   The premium is invoiced and payable in two equal annual installments
   (at the inception date and the first anniversary date).

3. Privacy and Security Coverage is available for an additional charge of $133.

NOTE: THIS COVERAGE, SUBJECT TO ALL THE TERMS, CONDITIONS AND PROVISIONS STATED HEREIN, CAN ONLY BE BOUND BY AN AUTHORIZED EMPLOYEE OF THE EXECUTIVE LIABILITY DIVISION.

This quotation expires at 12:01 A.M. Standard Time at the address of the company as of the end of the Policy Period of the expiring Policy. If subsequent to the date of quotation and the Effective date of the Binder there is a material change in the condition of the Proposed Insured or an occurrence of an event which could materially change the underwriting evaluation of the Proposed Insured, then, at the Insurer's option, this Quotation may be withdrawn by written notice thereof to the Proposed Insured.

** Please note that coverage cannot be bound prior to the fulfillment of the aforementioned conditions. Only authorized employees of the Executive Liability Division can bind coverage.

POLICYHOLDER NOTICE
TEXAS

IMPORTANT NOTICE

To obtain information or make a complaint:

You may call Great American's toll-free telephone number for information or to make a complaint at:

1 -800-972-3008

You may also write to Great American at:
1515 Woodfield Road, Suite 500
Schaumburg, Il 60173

You may contact the Texas Department of Insurance to obtain information on companies, coverages, rights or complaints at:

1-800-252-3439

You may write the Texas Department of Insurance:
P. O. Box 149104
Austin, TX 78714-9104
Fax: (512) 475-1771
Web: http://www.tdi.state.tx.us
E-mail: ConsumerProtection@tdi.state.tx.us

PREMIUM OR CLAIM DISPUTES:

Should you have a dispute concerning your premium or about a claim you should contact your insurance agent or Great American first. If the dispute is not resolved, you may contact the Texas Department of Insurance.

ATTACH THIS NOTICE TO YOUR POLICY:

This notice is for information only and does not become a part or condition of the attached document.

AVISO IMPORTANTE

Para obtener informacion o para someter una queja:

Usted puede llamar al numero de telefono gratis de Great American's para informacion o para someter una queja al:

1 -800-972-3008

Usted tambien puede escribir a Great American:
1515 Woodfield Road, Suite 500
Schaumburg, Il 60173

Puede comunicarse con el Departamento de Seguros de Texas para obtener informacion acerca de companias, coberturas, derechos o quejas al:

1-800-252-3439

Puede escribir al Departamento de Seguros de Texas:
P. O. Box 149104
Austin, TX 78714-9104
Fax: (512) 475-1771
Web: http://www.tdi.state.tx.us
E-mail: ConsumerProtection@tdi.state.tx.us

DISPUTAS SOBRE PRIMAS O RECLAMOS:

Si tiene una disputa concerniente a su prima o a un reclamo, debe comunicarse con el agente o Great American primero. Si no se resuelve la disputa, puede entonces comunicarse con el departamento (TDI).

UNA ESTE AVISO A SU POLIZA:

Este aviso es solo para proposito de informacion y no se convierte en parte o condicion del documento adjunto.

GREAT AMERICAN INSURANCE GROUP

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Nonprofit Solution

TEXAS AMENDATORY ENDORSEMENT

In compliance with the insurance regulations of the State of Texas, the Policy is amended as follows:

1. Section **IV.D.** of the Policy is deleted and replaced with the following:

   IV. This Policy does not apply to any **Claim** made against the **Insured**:

   D. based upon, arising out of, relating to, directly or indirectly resulting from or in consequence of, or in any way involving: (1) bodily injury, sickness, disease or death of any person, assault or battery; (2) damage to or destruction of any tangible property or the loss of use of any tangible property; or (3) humiliation, mental anguish, or emotional distress; provided, however, that part (3) of this exclusion shall not apply to any **Claim** for an **Employment Practices Wrongful Act, Personal Injury Wrongful Act**, or **Third Party Wrongful Act**;

2. Section **IX.A.** (2) and (3) of the Policy are deleted and replaced with the following:

   (2) The Policy will only be cancelled by the **Insurer** if the **Organization** does not pay the premium when due. The **Insurer** shall provide the **Organization** with notice at least ten (10) days prior to the effective date of cancellation. The reason for cancellation shall be included in the notice of cancellation.

   (3) If the **Insurer** elects not to renew this Policy, the **Insurer** shall deliver or mail written notice to the **Organization** at least sixty (60) days before the date on which the Policy expires. If the **Insurer** provides notice later than the sixtieth (60^{th}) day before the Policy expires, the coverage shall remain in effect until the sixty-first (61^{st}) day after the date on which **Insurer** provides written notice. The reason(s) for nonrenewal shall be included in the notice. The fact that an **Insured** is an elected official shall not be considered as a basis of nonrenewal of the Policy. Earned premium for any period of coverage that extends beyond the expiration date of the policy shall be computed pro rata based upon the premium of the expiring Policy.

Nothing herein contained shall be held to vary, alter, waive or extend any of the terms, conditions, provisions, agreements or limitations of the above mentioned Policy other than as above stated.

Insured: REGION H WATER PLANNING GROUP

Policy Period: Policy Number:

Countersigned by: _____ Endorsement Effective Date:
Authorized Representative

GREAT AMERICAN INSURANCE GROUP

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RATE MAKING EXCLUSION

It is understood and agreed that no coverage is available for any **Claim** based upon, arising out of, relating to, directly or indirectly resulting from, or in consequence of, or in any way involving any rate making proceeding, or any appeal therefrom, or any challenge brought in any forum to a rate decision or pricing structure of any **Insured**.

Nothing herein contained shall be held to vary, alter, waive or extend any of the terms, conditions, provisions, agreements or limitations of the above mentioned Policy other than as above stated.

Insured: REGION H WATER PLANNING GROUP

Policy Period: Policy Number:

Countersigned by: _____ Endorsement Effective Date:
Authorized Representative

GREAT AMERICAN INSURANCE GROUP

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INTERESTED PARTY EXCLUSION

It is understood and agreed that this Policy does not apply to any **Claim** made against any **Insured** by or for the benefit of, or at the behest of any Interested Party(ies) listed below, or any person or entity which controls, is controlled by, or is under common control with such Interested Party(ies).

Interested Party(ies)

The Texas Water Development Board and the San Jacinto River Authority

Nothing herein contained shall be held to vary, alter, waive or extend any of the terms, conditions, provisions, agreements or limitations of the above mentioned Policy other than as above stated.

Insured: REGION H WATER PLANNING GROUP

Policy Period: Policy Number:

Countersigned by: _____ Endorsement Effective Date:
Authorized Representative

GREAT AMERICAN INSURANCE GROUP

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COVERAGE FOR ACTS OF TERRORISM

It is understood and agreed that the General Conditions of the Policy are amended by the addition of the following:

Act of Terrorism Coverage

Subject to all other terms and conditions of this Policy, coverage is available for **Loss** caused by an **Act of Terrorism** as defined below.

"Act of Terrorism" means any act that is certified by the Secretary of the Treasury, in concurrence with the Secretary of State and the Attorney General of the United States –

(i) to be an act of terrorism;
(ii) to be a violent act or an act that is dangerous to –
  (a) human life;
  (b) property; or
  (c) infrastructure;
(iii) to have resulted in damage within the United States, or outside of the United States in the case of -
  (a) an air carrier or vessel described in Section (5)(B) of the Terrorism Risk Insurance Act; or
  (b) the premises of a United States mission; and
(iv) to have been committed by an individual or individuals, as part of an effort to coerce the civilian population of the United States or to influence the policy or affect the conduct of the United States Government by coercion.

With respect to any one or more **Acts of Terrorism** under the Terrorism Risk Insurance Act, as amended in 2007, we will not pay any amounts for which we are not responsible under the terms of that Act (including subsequent action of Congress pursuant to the Act) due to the application of any clause which results in a cap on our liability for payments for terrorism losses.

No act shall be certified by the Secretary as an **Act of Terrorism** if (i) the act is committed as part of the course of a war declared by the Congress, except that this clause shall not apply with respect to any coverage for workers compensation; or (ii) property and casualty insurance losses resulting from the act, in the aggregate, do not exceed $5,000,000.

Other than as stated above, nothing herein contained shall be held to vary, alter, waive or extend any of the terms, conditions, provisions, agreements or limitations of the Policy to

Insured: REGION H WATER PLANNING GROUP

Policy Period: Policy Number:

Countersigned by: _____ Endorsement Effective Date:
Authorized Representative

GREAT AMERICAN INSURANCE GROUP

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AMENDMENT TO DECLARATIONS PAGE

It is understood and agreed that the Declarations is amended by the addition of the following:

Act of Terrorism Premium: $ 0.00

It is further understood and agreed the Policyholder Disclosure of Terrorism Coverage is attached to and is to be considered as incorporated in and constituting a part of this Policy.

Other than as stated above, nothing herein contained shall be held to vary, alter, waive or extend any of the terms, conditions, provisions, agreements or limitations of the Policy to

Insured: REGION H WATER PLANNING GROUP

Policy Period: Policy Number:

Countersigned by: _____ Endorsement Effective Date:

Authorized Representative

GREAT AMERICAN®
INSURANCE COMPANIES
580 Walnut Street, Cincinnati, Ohio 45202

POLICYHOLDER DISCLOSURE OF TERRORISM COVERAGE

The Terrorism Risk Insurance Act establishes a program within the Department of the Treasury, under which the federal government shares, with the insurance industry, the risk of loss from future terrorist attacks. The Act applies when the Secretary of the Treasury certifies that an event meets the definition of an Act of Terrorism. The Act provides that, to be certified, an Act of Terrorism must cause losses of at least five million dollars and must have been committed by an individual or individuals as part of an effort to coerce the government or population of the United States.

The United States Government, Department of the Treasury, will pay a share of terrorism losses insured under the federal program. The federal share equals 85% of that portion of the amount of such insured losses that exceeds the applicable insurer retention.

The Terrorism Risk Insurance Act, as amended in 2007, contains a $100 billion cap that limits U.S. Government reimbursement as well as insurers' liability for losses resulting from certified acts of terrorism when the amount of such losses in any one calendar year exceeds $100 billion. If the aggregate insured losses for all insurers exceed $100 billion, your coverage may be reduced.

In accordance with the Terrorism Risk Insurance Act, we are required to offer you coverage for losses resulting from an act of terrorism **that is certified under the federal program** as an Act of Terrorism. All other provisions of this policy will still apply to such an act. That is, a loss will not be excluded or covered just because it was caused by an Act of Terrorism.

The portion of the annual premium that is attributable to coverage for Acts of Terrorism that are certified under the Terrorism Risk Insurance Act is $0.00.

All other terms and conditions of the policy remain unchanged.

If you would like to reject the coverage for "certified" Acts of Terrorism, please provide Great American written confirmation of such, and an exclusion will be attached to your policy.

ExecPro® Nonprofit Solution

- **Directors' & Officers'**
- **Employment Practices Liability**
- **Fiduciary Liability**
- **Employed Lawyers Coverage**
- **Workplace Violence Insurance**

Why Nonprofit D&O?

Nonprofit Directors and Officers have a personal liability exposure by virtue of their management of their organization and its financial assets. Employment related matters, breach of duty, and errors and omissions when making business decisions are hazards faced by Nonprofit organizations nationwide. Unfortunately, lawsuits from employees, customers, vendors and the government are becoming increasingly common against Nonprofit organizations.

Are You Protected?

- First Dollar Defense for Qualifying Accounts
- Costs of Defense are in addition to the limit for no additional charge
- 22 types of EPL Wrongful Acts Covered
- Employed Lawyers Coverage
- Prior acts coverage
- Volunteers and Leased, Seasonal, and Part-Time employees are included as Insured Persons
- Definition of Claim includes non-monetary relief
- Third Party coverage
- Coverage for suits brought by Qualifying Independent Contractors for EPL Claims
- A $150,000 sublimit for defense of Fair Labor Standards Acts (FLSA) Claims
- Personal Injury Coverage Backstop
- Copyright/Trademark Coverage
- Order of Payments wording
- Crisis Fund for reputational damage done due to lost or stolen donor data

Risk Management can Prevent Future Losses

Through Jackson Lewis, a national law firm, Great American provides its policyholders:

- Access to a toll-free Hot line Service which provides complimentary telephone consultation pertaining to Employment Practices matters
- Sample workplace policies which provide guidance with respect to preserving employment-at-will status, complying with the Federal Family and Medical Leave Act, and prohibiting harassment in the workplace.
- A guide to avoiding workplace claims. The guide contains general information about employment claims, the hiring process, pre-employment testing, and other issues.
- Jackson Lewis will offer discounted billing rates to Great American insureds to assist in developing preventive practices, preparing employee handbooks and training supervisors.

Great American Insurance Company

Great American Insurance Company is part of the Great American Insurance Group. Great American Insurance Company has been rated A (Excellent) by A.M. Best for over 100 Years. Great American Insurance Company's Nonprofit D&O primary policies are admitted in all 50 states and the District of Columbia.

Agenda Item 10

Receive update from Consultant Team regarding the schedule and milestones for the development of the 2016 Region H Regional Water Plan.

Agenda Item 10
2016 RWP Schedule

Receive update from Consultant Team regarding the schedule and milestones for the development of the 2016 Region H Regional Water Plan.

Agenda Item 10
2016 RWP Schedule

Date	Scheduled Events/Tasks
11/05/2014	RWPG Meeting: *Review Chapter 4 and 7, Discuss Legislative Recommendations*
12/09/2014	WMS Committee Meeting
02/04/2015	**RWPG Meeting: ~~Review Chapters 5, 6, 8, 9, 10 (partial), and 11~~**
03/04/2015	**RWPG Meeting: *Review Chapters 5, 6, 8, 9, 10 (partial), and 11***
04/01/2015	RWPG Meeting: *Review / Approve Initially Prepared Plan*
05/01/2015	DUE DATE: Initially Prepared Plan to TWDB
	PUBLIC PROCESS
10/07/2015	RWPG Meeting: Discuss comments to IPP
11/04/2015	RWPG Meeting: Review / Approve Final Plan
12/01/2015	DUE DATE: Final Adopted Plan to TWDB

Agenda Item 10
2016 RWP Schedule

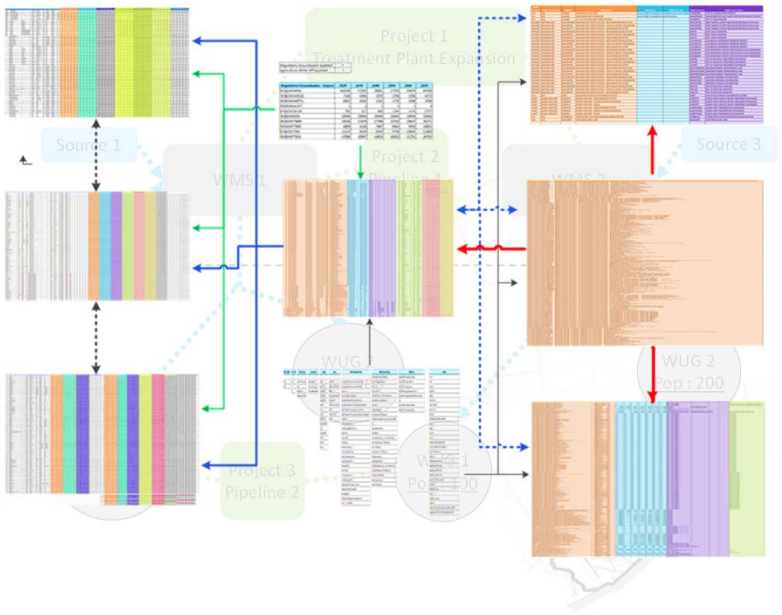
- Ongoing Activities
  - WMS data collection
  - Region H Database Development
  - WMS Documentation
  - Chapter Development
  - GIS Development

Agenda Item 10
2016 RWP Schedule

- Data Collection
  - Suspended active data collection efforts
    - 2-year effort
  - Numerous requests not responded to or incomplete
  - Additional project on an as-available basis

Agenda Item 10
2016 RWP Schedule

- Database Development
  - DB17 not ready for WMS entry until April
  - Interim tool to allow planning to progress
  - DB17 provides closer match to reality
  - Interim tool being developed to take advantage of new DB17 connectivity



Agenda Item 10
2016 RWP Schedule

- WMS Documentation
  - Technical memoranda
  - Appendix 5B
  - Critical WMS and projects
  - Include ratings and WUG application information
  - Status:
    - 59 identified so far
    - 11 (19%) final
    - 41 (70%) in progress

CRITERIA	RATING	EXPLANATION
Cost	5	Low cost compared to other regional strategies but may be prohibitive compared to the current cost of water for agriculture.
Location	5	Conservation is applied at point of water use.
Water Quality	3	No known impacts to water quality.
Environmental Land and Habitat	4	Minimal impacts above existing agricultural operations.
Environmental Flows	3	Conservation may reduce return flows at the end of growing seasons but also reduces the necessary diversions for irrigation use.
Local Preference	3	Support by some proactive growers and those that own their own property and can invest in long-term improvements.
Institutional Constraints	5	Limited identified permitting obstacles.
Development Timeline	5	Projects can be implemented quickly and even off-farm methods have relatively short timelines.
Sponsorship	3	Projects may be sponsored by local farmers and irrigation water providers but interest level varies and is uncertain.
Vulnerability	5	Very limited risk to developed infrastructure.
Impacts on Other WMS	3	No known impacts to other strategies.

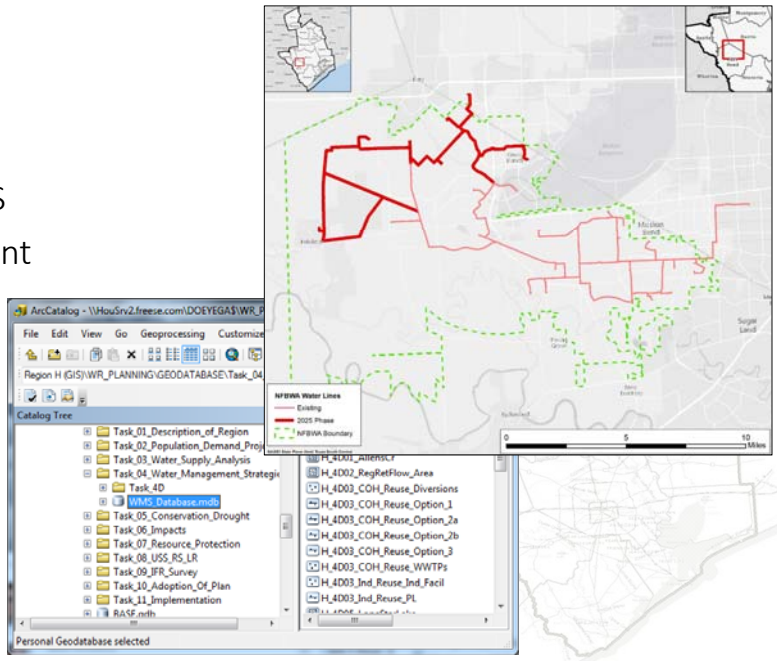
CRITERIA	WUG SUITABILITY
Proximity	WMS availability in the same location as irrigation water use for rice production and focused in Austin, Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, and Waller Counties.
Size	The nature of this WMS makes its yield relative to the size of irrigation operations.
Water Quality	This WMS does not produce new water but reduces need by conservation of other supplies.
Unit Cost	The unit cost for this strategy is relatively expensive for irrigation use but is one of the most cost-competitive alternatives for agriculture.
Other Factors	This strategy is suited only to irrigation demand. Actual implementation of strategies will be performed by growers or water suppliers. This process is complicated by the predominance of rice production in Region H being performed on land leased by the producer, often discouraging the long-term investment necessary to implement these programs.

Agenda Item 10
2016 RWP Schedule

- Chapter Development
  - Delivered as DRAFT
    - 1 – Description of Region
    - 2 – Projected Population and Water Demands
    - 3 – Analysis of Current Water Supplies
    - 4 – Analysis of Needs
    - 7 – Drought Response
  - In Progress
    - ES – Executive Summary
    - 5 – Water Management Strategies
    - 5B – Conservation Recommendations
    - 6 – Impacts of the Regional Water Plan
    - 8 – Unique Stream Segments, Reservoir Sites, and Other Recommendations
    - 9 – Reporting of Financing Mechanisms for Water Management Strategies
    - 10 – Adoption
    - 11 – Implementation and Comparison to the Previous Regional Water Plan

Agenda Item 10
2016 RWP Schedule

- GIS Development
  - Exhibits for projects/WMS
  - GIS deliverable to represent projects

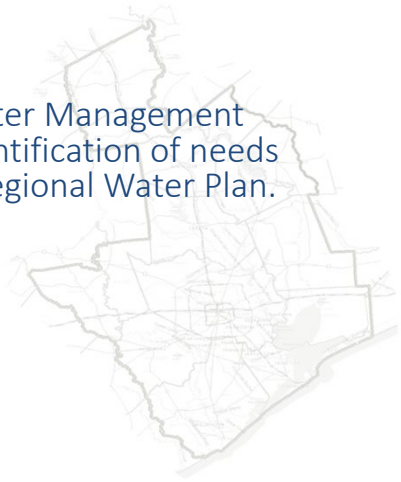


Agenda Item 11

Receive update from Consultant Team and Water Management Strategies Committee regarding status of the identification of needs and potential strategies for the 2016 Region H Regional Water Plan.

Agenda Item 11
WMS Progress

Receive update from Consultant Team and Water Management Strategies Committee regarding status of the identification of needs and potential strategies for the 2016 Region H Regional Water Plan.

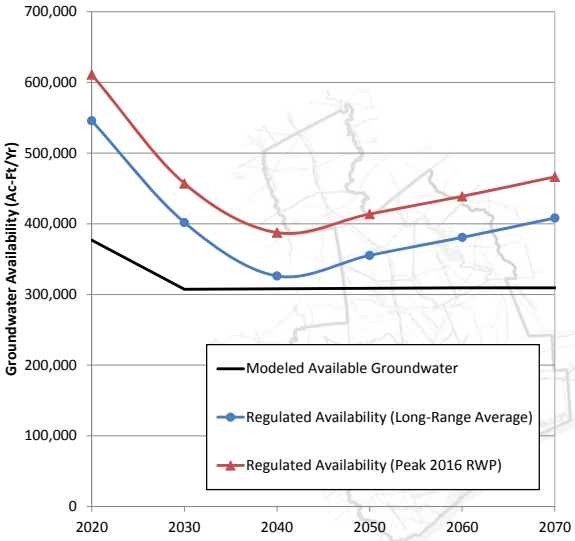


Agenda Item 11
WMS Progress

- Ongoing Activities
  - Groundwater availability disparity
  - *Data collection*
  - *Database development*
  - Application of WMS

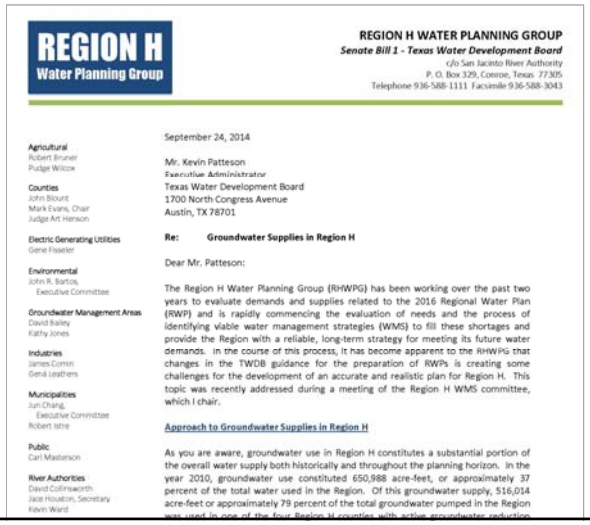
Agenda Item 11
WMS Progress

- Region H availability limited by GMA Modeled Available Groundwater (MAGs)
  - Derived from Desired Future Conditions (DFCs)
  - Based on planning rules this round
  - Previous plans gave flexibility to RWPGs to adjust as appropriate
- MAGs allow for less water than regulatory plans
  - Artificial needs developed throughout
  - 200,000+ ac-ft/yr over planning horizon



Agenda Item 11
WMS Progress

- Region H Letter: September 24



REGION H
Water Planning Group

REGION H WATER PLANNING GROUP
Senate Bill 1 - Texas Water Development Board
c/o San Jacinto River Authority
P. O. Box 329, Conroe, Texas 77305
Telephone 936-588-1111 Facsimile 936-588-3043

September 24, 2014

Mr. Kevin Patteson
Executive Administrator
Texas Water Development Board
1700 North Congress Avenue
Austin, TX 78701

Re: Groundwater Supplies in Region H

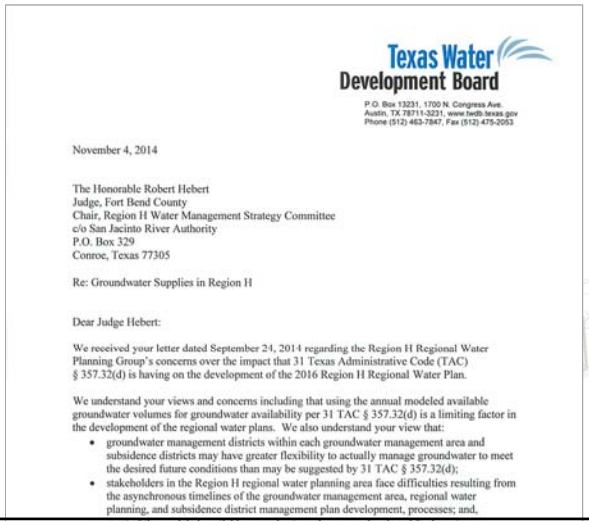
Dear Mr. Patteson:

The Region H Water Planning Group (RHWPG) has been working over the past two years to evaluate demands and supplies related to the 2016 Regional Water Plan (RWP) and is rapidly commencing the evaluation of needs and the process of identifying viable water management strategies (WMS) to fill these shortages and provide the Region with a reliable, long-term strategy for meeting its future water demands. In the course of this process, it has become apparent to the RHWPG that changes in the TWDB guidance for the preparation of RWPs is creating some challenges for the development of an accurate and realistic plan for Region H. This topic was recently addressed during a meeting of the Region H WMS committee, which I chair.

Approach to Groundwater Supplies in Region H

As you are aware, groundwater use in Region H constitutes a substantial portion of the overall water supply both historically and throughout the planning horizon. In the year 2010, groundwater use constituted 650,988 acre-feet, or approximately 37 percent of the total water used in the Region. Of this groundwater supply, 516,014 acre-feet or approximately 79 percent of the total groundwater pumped in the Region

- TWDB Response: November 4



Texas Water Development Board
P.O. Box 13231, 1700 N. Congress Ave.
Austin, TX 78711-3231, www.twdb.texas.gov
Phone (512) 463-7847, Fax (512) 475-2053

November 4, 2014

The Honorable Robert Hebert
Judge, Fort Bend County
Chair, Region H Water Management Strategy Committee
c/o San Jacinto River Authority
P.O. Box 329
Conroe, Texas 77305

Re: Groundwater Supplies in Region H

Dear Judge Hebert:

We received your letter dated September 24, 2014 regarding the Region H Regional Water Planning Group's concerns over the impact that 31 Texas Administrative Code (TAC) § 357.32(d) is having on the development of the 2016 Region H Regional Water Plan.

We understand your views and concerns including that using the annual modeled available groundwater volumes for groundwater availability per 31 TAC § 357.32(d) is a limiting factor in the development of the regional water plans. We also understand your view that:

- groundwater management districts within each groundwater management area and subsidence districts may have greater flexibility to actually manage groundwater to meet the desired future conditions than may be suggested by 31 TAC § 357.32(d);
- stakeholders in the Region H regional water planning area face difficulties resulting from the asynchronous timelines of the groundwater management area, regional water planning, and subsidence district management plan development, processes; and,

Agenda Item 11
WMS Progress

- Issues identified

Issue	TWDB Response
Groundwater managing districts need not manage to MAGs	✓
Differing perspectives of GMA and RWP processes	✓
Asynchronous timelines of GMA process and RWP demand development	✓

- Approaches proposed

Approach	TWDB Response
Variance to allow for regulatory levels of groundwater pumpage	X
Provide for strategy volumes in excess of MAG availability	X
Coordination with GMA 14	✓

Agenda Item 11
WMS Progress

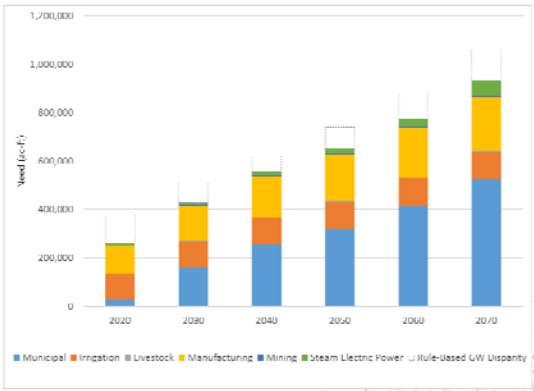
- What options are left?
  - Work with GMA 14
    - Ongoing (8-14 months?)
      - GMA must adopt draft DFCs and explanatory report
      - 90-day comment period
      - Revise DFCs and explanatory report (30-60 days?)
      - TWDB review for completeness (60 days?)
      - TWDB MAG development (30-180 days?)

- Leave unmet needs in the RWP
  - Includes unmet needs for all virtually all demand sectors, including municipal
  - Gives appearance of inadequate supply for region

- Accelerate/develop new strategies to meet needs
  - Projects in Fort Bend, Galveston, Harris
  - Unrealistic timelines for development
    - Where do correct/imaginary details appear in the RWP?
  - Additional need for long-term supply

Agenda Item 11
WMS Progress

- Documenting the Issue
  - Chapter 3 – How it affects supplies
  - Chapter 4 – How it impacts needs
  - Chapter 8 – Recommendations to address



Region H Total						
Irrigation	108,780	109,794	110,526	111,325	112,187	113,362
Livestock	1,531	2,049	2,397	2,477	2,609	2,729
Manufacturing	111,980	141,556	168,266	192,806	207,790	222,881
Mining	4,329	5,245	5,070	5,103	5,321	5,667
Municipal	26,141	158,885	254,865	319,171	416,178	525,031
Steam Electric Power	7,069	10,695	15,114	20,502	27,977	64,679
GW Disparity	*115,910*	*86,679*	*63,077*	*88,407*	*107,552*	*127,046*
Total	259,830	428,224	556,238	651,384	772,062	934,349
Total + Disparity	*375,740*	*514,903*	*619,315*	*739,791*	*879,614*	*1,061,395*

Agenda Item 11
WMS Progress

- Application of WMS
  - General WMS
    - Conservation
    - Expanded Use of Groundwater
    - Expand/Increase Contracts
  - Known WMS
    - Groundwater Reduction Plans
    - Luce Bayou
    - NEWPP
    - Etc.

REGION H
Water Planning Group

REGION H WATER PLANNING GROUP
Senate Bill 1 - Texas Water Development Board
c/o San Jacinto River Authority
P. O. Box 329, Conroe, Texas 77305
Telephone 936-588-1111 Facsimile 936-588-3043

September 24, 2014

Mr. Kevin Patteson
Executive Administrator
Texas Water Development Board
1700 North Congress Avenue
Austin, TX 78701

Re: Groundwater Supplies in Region H

Dear Mr. Patteson:

The Region H Water Planning Group (RHWPG) has been working over the past two years to evaluate demands and supplies related to the 2016 Regional Water Plan (RWP) and is rapidly commencing the evaluation of needs and the process of identifying viable water management strategies (WMS) to fill these shortages and provide the Region with a reliable, long-term strategy for meeting its future water demands. In the course of this process, it has become apparent to the RHWPG that changes in the TWDB guidance for the preparation of RWPs is creating some challenges for the development of an accurate and realistic plan for Region H. This topic was recently addressed during a meeting of the Region H WMS committee, which I chair.

Approach to Groundwater Supplies in Region H

As you are aware, groundwater use in Region H constitutes a substantial portion of the overall water supply both historically and throughout the planning horizon. In the year 2010, groundwater use constituted 650,988 acre-feet, or approximately 37 percent of the total water used in the Region. Of this groundwater supply, 516,014 acre-feet or approximately 79 percent of the total groundwater pumped in the Region was used in one of the four Region H counties with active groundwater reduction plans (GRPs) to responsibly limit and regulate the use of these resources. Entities within Region H have been pioneers of groundwater management in Texas with the creation of the Harris-Galveston Subsidence District (HGSD) in 1975 which set the first standards for defining and regulating responsible groundwater use in order to combat the threat of subsidence in those counties. The Fort Bend Subsidence District (FBSD) followed in 1989 with a similar mission, and the Lone Star Groundwater Conservation District (LSGCD) was created in 2001 to protect the groundwater resources of Montgomery County. It is the perspective of the RHWPG that these entities, along with the four other Groundwater Conservation Districts (GCDs) active in Region H (Bluebonnet, Brazoria County, Lower Trinity, and Mid-East Texas GCDs), represent the undisputed authority over groundwater resources within their jurisdictions and the source of projections of groundwater availability for use in long-term planning. In past rounds of regional water planning, Region H has elected to develop groundwater availability estimates that are consistent with the management plans of these organizations.

Groundwater Availability in the 2016 RWPs

In 2010, the Groundwater Management Areas (GMAs) across Texas submitted their first round of Desired Future Conditions (DFCs) to the TWDB for the purpose of developing estimates of Modeled Available Groundwater (MAG) as described under Section 36.108 of the Texas Water Code (TWC). The GCDs adopting DFCs are required to develop management plans that include goals that are consistent with achieving the DFCs, per Section 36.1085 of the TWC.

In the fourth cycle of regional water planning, TWDB has strived to bring the efforts of the Regional Water Planning Groups (RWPGs) and GMAs together through the addition of language in the planning rules. Whereas past RWPs have allowed for discretion of the RWPGs in assigning groundwater availability, the 2016 round of RWP development takes a different approach. Per Section 16.053(e)(2-a) of the TWC, regional plans must be "consistent with the desired future conditions..." as developed by the GMAs. Going a step further, Title 31 of the Texas Administrative Code (TAC) Section 357.32 (d) dictates that, for regional planning, RWPGs "shall use Modeled Available Groundwater volumes for groundwater availability" unless there is no MAG volume. Therefore, for the development of the 2016 RWP, Region H groundwater supplies for traditional formations are presently set at the MAG as developed by TWDB from DFCs submitted by the various GMAs in 2010.

Issues in Applying Modeled Available Groundwater to Supply Availability

Although the RHWPG recognizes the reasoning behind this change to the planning process and appreciates the need to more closely tie together the planning efforts associated with groundwater and surface water supplies in the State of Texas, it is also recognized that the approach, as taken, presents several issues to the RHWPG as well as other RWPGs in other regions of the State. Several of these potential issues are described below for consideration by TWDB in guiding future implementation of the guidelines for RWP development.

Although GCDs are bound to the DFCs adopted by GMAs, they are not required to use the MAG as a means of achieving that goal. Section 36.1132 of the TWC states that "a district, to the extent possible, shall issue permits up to the point that the total volume of exempt and permitted groundwater production will achieve an applicable desired future condition." Several considerations are also provided in this section including the MAG. This guides GCDs toward regulating to the DFC with consideration of the MAG in addition to other factors but does not necessarily limit GCDs to strict adherence to the MAG. This suggests there may be means to achieve the DFC outside of the MAG. The requirement of Title 31 of the TAC, Section 357.32(d) goes beyond the language in the TWC and requires that regions plan to the MAG even though it is not necessarily a binding limit for the GCDs. In effect, projects that may be developed within a GCD while still attaining the long-term goals of the DFC may be permitted but not included for the purposes of regional water planning. This is particularly an issue in GCDs that are just beginning their approach to groundwater regulation and will allow for near-term pumpage beyond the MAG and greater levels of pumpage reduction in future decades in order to achieve the adopted DFC.

The perspectives of the GMA and RWP processes are inherently different. Regional plans are intended to be built around "dry-year" demands for various water uses to create a worst-case scenario for planning purposes. For this reason, year 2011 per capita demands have been selected for development of the 2016 RWPs for much of the State. This approach is conservative and reasonable for the identification of potential water needs and projects that may be required under a drought-of-record scenario. However, this approach is inadequate for the study of groundwater resources which must be evaluated on the basis of long-term averages. To model peak, dry-year demands for the entire period considered in the Groundwater Availability Models (GAMs) used in developing DFCs would result in a gross and unrealistic over-estimation of drawdown in formations and would not provide useful information to the groundwater stakeholders involved in the GMA process. The *de facto* result is that GMAs are fundamentally required to plan in ways that produce average-year MAGs while RWPGs require peak groundwater supplies to be consistent with the peak demands they are obligated to meet. The difference between these two values produces a shortage in the RWP that is not expected to occur in reality and, therefore, requires the application of an unnecessary water management strategy (WMS) to make the plan whole.

The requirement that RWPs be developed using the MAGs as the sole source of groundwater supply information may create an undue burden to the GMA process. While the majority of entities that regulate groundwater in the State target a set volume of water for their pumpage limits, that is not the case for the largest of those entities in Region H: HGSD and FBSD. Due to the intrinsic nature of the way in which groundwater regulation functions in urbanized counties that already exceed their sustainable levels of pumpage compared to other counties that are below or are just approaching their sustainable production limits, these districts regulate allowable groundwater withdrawals to a percentage of the total demand within their jurisdictions. In effect, when demands change, the availability of groundwater changes within their boundaries. As these demands typically change with each RWP development cycle, GMA 14, which includes Fort Bend, Galveston, and Harris Counties, must reevaluate the pumpage related to their DFCs each round in order to maintain consistency between the GMA-developed supplies used in RWP development and the regulation of those districts. Furthermore, there is typically a narrow window of time between the finalization of water demands and the submittal of the RWPs during which time, the GMA would be required to compress its planning efforts in order to close the gap in supply. This approach is burdensome on a regional stakeholder process that has a number of its own considerations to address in addition to the issue of RWP consistency.

Case Study: Harris-Galveston and Fort Bend Subsidence Districts

As an example of the issues identified above, consider the case of the two subsidence districts in Region H. Collectively, these two districts encompass over 81 percent of the Region's population, and groundwater has typically served a crucial role in supplying the overall need of this area. Although HGSD and FBSD are not governed under Section 36 of the TWC and are therefore not formally part of the GMA process, the planning rules, as stated, limit groundwater availability in these jurisdictions just as in other areas covered by GCDs.

Figure 1, below, demonstrates three representations of supply for the three counties. The most recent MAGs for these counties were developed for the 2010 DFCs submitted by GMA 14 and, therefore, these supplies do not have the benefit of population and demand updates developed since that time and also does not include the HGSD's updated regulatory plan adopted in 2013. This is illustrated with the black line. In addition, another dataset, represented by the blue line, demonstrates the pumpage that was factored into the long-range simulations for the analysis of the HGSD and FBSD regulatory plans. These are average-year demands that are appropriate for long-range study. Finally, the last dataset, shown in red, demonstrates the water that would be allocated to Region H WUGs in the three counties based on demands from the 2016 RWP and the regulatory plans of the two districts. This pumpage is consistent with the peak, dry-year demands captured in the RWPs.

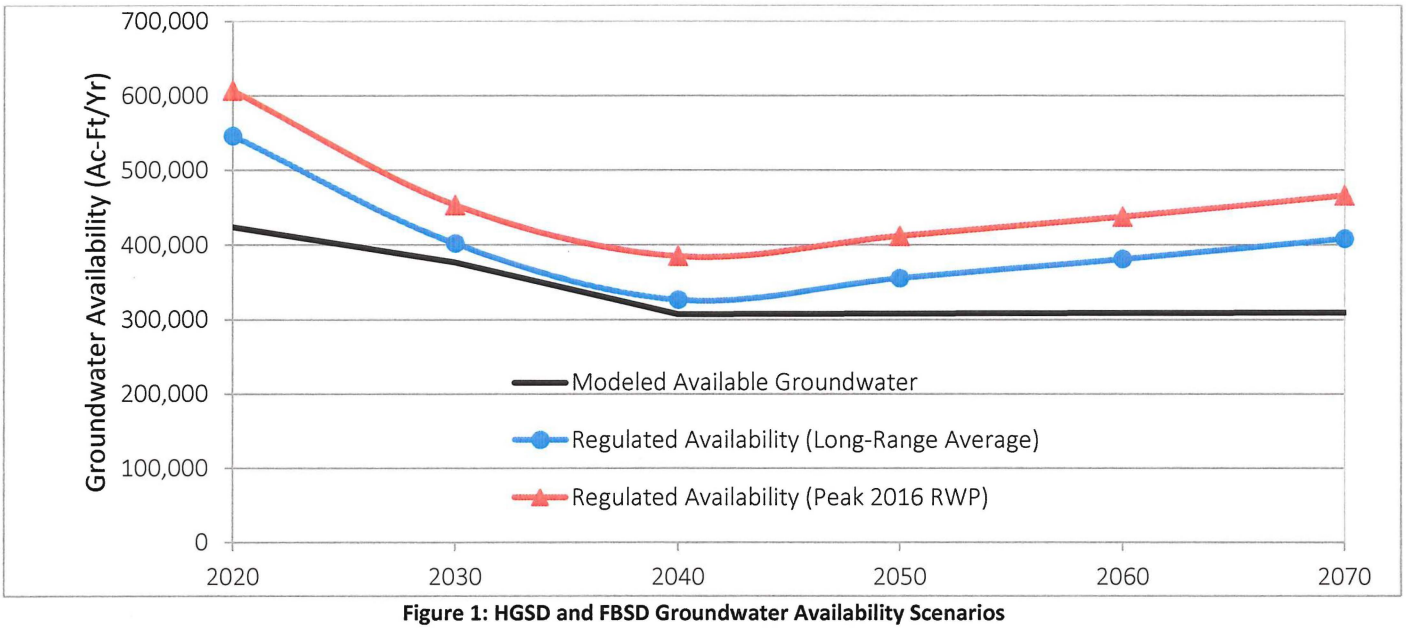


Figure 1: HGSD and FBSD Groundwater Availability Scenarios

The difference in the three perspectives of availability represent a combination of the issues described above. First, the delta between the MAG and the long-range average regulated availability is an artifact of the disconnection between the development of projections for the RWPG and the evaluation of new pumpage scenarios by GMA 14. As demands are updated by the RWPG, supplies, represented by the MAG, lag behind as the GMA must readdress the supplies for these three counties in context of the updated demands. Unless GMA 14 can accomplish this and other activities associated with their DFC review in a very narrow window during the course of RWP development, Region H will experience inconsistencies associated with this issue indefinitely as each planning cycle is forced to rely upon MAGs based on pumpage and demands from the previous round of planning. Addressing this issue in the current joint planning process of the RWPGs and GMAs places strain on both processes. This issue primarily impacts counties regulated in the manner of the HGSD and FBSD where availability is subject to change based on total demand.

Second, the difference is also due, in significant part, to the definition of peak and long-range average demands used for groundwater planning. The MAG presented here and the one that would be considered in the future by GMA 14 will not provide adequate supply for peak demand conditions as is it not realistic to model such a condition over 50 or more years. Doing such would over-state water-level declines and other undesired impacts. This issue is inherent to the very different objectives of the GMA and regional planning processes and not readily solved, even if GMAs are given adequate opportunity to address changing demands developed for the RWPs. Furthermore, this issue potentially persists in all counties where current supplies equal or approach the MAG. Where actual pumpage may occasionally, under extreme conditions, exceed the MAG but otherwise maintain a long-term average level below that limit, the RWPG is unnecessarily limited in ability to incorporate groundwater-based strategies. This is particularly true for conjunctive use strategies that rely on excess groundwater only during the most extreme drought conditions.

Combined, these issues represent a significant impact to the RWP process. In the three counties described above, the end result is that the shortages expressed in the RWP are artificially elevated by approximately 182,000 and 157,000 acre-feet per year in 2020 and 2070, respectively. In turn, this means that 182,000 acre-feet of additional, unneeded strategies must be incorporated into the RWP in order to meet needs that are not expected to occur in a real world scenario. This approach inflates the cost of water projects to meet unrealistic shortages and demonstrates environmental impacts from projects that are not actually required. The end result is a RWP that does not reflect the reality of water needs within Region H and overstates the need for WMS.

Potential Solutions for Region H

In light of this issue, the RHWPG recognizes that effort must be taken to produce a RWP that portrays an appropriate appraisal of the region's water resources and accurately prescribes WMS for meeting long-term goals. To overlook this issue would result in the recommendation of a number of unnecessary strategies that will represent costs and impacts that are not necessary to achieve the long-term supply goals of Region H and an undermining of the bottom-up concept that regional planning is built around. To this end, the Region H WMS Committee recommends consideration of the following means to avoid this problematic situation and appreciates guidance from TWDB regarding the best way in which to address this concern.

Provide a means for a variance from 31 TAC 357.32 (d) for Region H to amend groundwater supplies with values that are consistent with local regulation. This approach would allow Region H to "manually" adjust groundwater supplies to levels that are consistent with local regulation. As a result, the need identified in the RWP would match the anticipated shortage that entities in the region are already planning for in their proactive response to developing future water supplies.

Allow the inclusion of a strategy in excess of MAG availability to represent use of groundwater as allowed by local regulation. The RHWPG proposes that one solution to the issue is to allow the incorporation of a strategy that will close the gap between MAG availability and the groundwater availability allowed through the appropriate local regulatory plans. This no-cost strategy would eliminate the non-existent needs shown in the RWP without proposing costly

infrastructure that may suggest that actual financial, property, and social costs of the RWP are higher than they are in reality.

Work with GMA 14 to produce DFCs that are more consistent with the groundwater availability required by the RWP. GMA 14 is currently involved in this process along with the Region H consultant, Freese and Nichols. As you are aware, the GMA process is an intensive effort requiring many steps to allow for both technical and public review and GMA 14's current timeline is unlikely to be able to address the criteria for developing DFCs in a manner which will allow for TWDB's estimation of revised MAGs prior to the submittal of the 2016 RWP. Furthermore, as previously stated, this process will only be able to responsibly revise pumpage to a long-term average which is still inadequate to meet the peak level of groundwater pumpage that would be consistent with the demand scenario required in regional water planning.

The RHWPG appreciates the opportunity to voice these concerns to the TWDB and to seek guidance in pursuing a responsible, logical solution that is consistent with the intent of the regional planning process and will produce a RWP that will provide an accurate approach for the region's future. Please feel free to contact me regarding this matter. The RHWPG looks forward to working with you to come to a amenable solution to this issue on a timeline that is consistent with the development of the 2016 RWP.

Sincerely,

Robert Hebert
Fort Bend County Judge
Region H WMS Committee Chair

cc: Lann Bookout, TWDB

Texas Water Development Board

P.O. Box 13231, 1700 N. Congress Ave.
Austin, TX 78711-3231, www.twdb.texas.gov
Phone (512) 463-7847, Fax (512) 475-2053

November 4, 2014

The Honorable Robert Hebert
Judge, Fort Bend County
Chair, Region H Water Management Strategy Committee
c/o San Jacinto River Authority
P.O. Box 329
Conroe, Texas 77305

Re: Groundwater Supplies in Region H

Dear Judge Hebert:

We received your letter dated September 24, 2014 regarding the Region H Regional Water Planning Group's concerns over the impact that 31 Texas Administrative Code (TAC) § 357.32(d) is having on the development of the 2016 Region H Regional Water Plan.

We understand your views and concerns including that using the annual modeled available groundwater volumes for groundwater availability per 31 TAC § 357.32(d) is a limiting factor in the development of the regional water plans. We also understand your view that:

- groundwater management districts within each groundwater management area and subsidence districts may have greater flexibility to actually manage groundwater to meet the desired future conditions than may be suggested by 31 TAC § 357.32(d);
- stakeholders in the Region H regional water planning area face difficulties resulting from the asynchronous timelines of the groundwater management area, regional water planning, and subsidence district management plan development, processes; and,
- most of the modeled available groundwater values were developed for long-term averages, not necessarily short-term drought of record conditions.

We share your interest in developing realistic regional and state water plans that, as much as possible within the bounds of statute and rule, will reflect anticipated water shortages and projects required to meet them. However, under the current statute and planning rules, TWDB cannot allow regional water planning groups:

- to apply a "variance" to amend groundwater availability above the annual modeled available groundwater volume; or,
- to include recommended water management strategies to meet identified water needs that would rely on groundwater availability volumes in excess of the annual modeled available groundwater volumes.

TWDB staff will continue to work with and support groundwater management area 14, in whatever ways we are able, to support them in developing desired future conditions that the groundwater districts in groundwater management area 14 consider most appropriate for all purposes, including regional water planning.

I am interested in visiting with you to discuss ways in which these issues impacting Region H might be addressed during the next regional water planning cycle. If you are agreeable, please contact my office to arrange a meeting.

Thank you for your letter and your continued support of the regional water planning process. Our response is intended to provide you and the Region H Regional Water Planning Group with sufficient information to make any necessary regional water planning decisions. If you have any questions or wish to discuss any of these issues further concerning this response, please contact Lann Bookout, the TWDB's designated regional water planning project manager for this region.

Sincerely,

Kevin Patteson
Executive Administrator

cc: Mr. Mark Evans, Region H Chair
North Harris County Regional Water Authority
3648 Cypress Creek Parkway #110, Houston, Texas 77068

Mr. Jace Houston, General Manager, San Jacinto River Authority
PO Box 329, Conroe, Texas 77305

Lann Bookout, TWDB

Agenda Item 12

Receive presentation from Consultant Team on the status of ecologically unique stream segments, unique reservoir sites, and legislative recommendations.

Agenda Item 12
Unique Stream Segments and Reservoir Sites, Recommendations

Receive presentation from Consultant Team on the status of ecologically unique stream segments, unique reservoir sites, and legislative recommendations

Agenda Item 12
Unique Stream Segments and Reservoir Sites, Recommendations

- Chapter 8
  - Unique Stream Segments
  - Unique Reservoir Sites
  - Recommendations
    - Administrative
    - Legislative
    - Funding

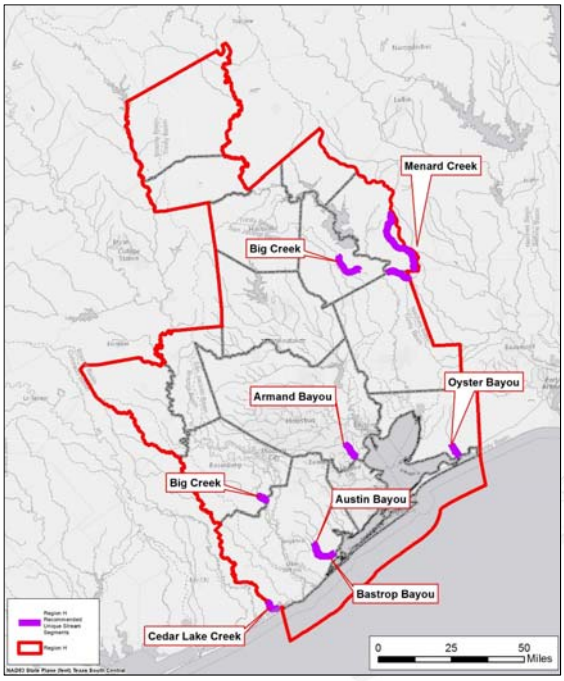
Agenda Item 12
USS and URS, Rec.

- Unique Stream Segments
  - Biological Function
  - Hydrologic Function
  - Riparian Conservation Areas
  - High Water Quality / Exceptional Aquatic Life / High Aesthetic Value
  - Threatened or Endangered Species / Unique Communities

River or Stream Segment	County	Biological Function	Hydrologic Function	Riparian Conservation Area	High Water Quality/ Aesthetic Value	Endangered/ Threatened Species Conservation	Project/ Proposed Reservoir Site	Water Rights	WW Outfall	Recommended in previous Regional Plan
Considered in 2001 Regional Plan:										
Armand Bayou	Harris	•	••	••	•			•	••	•
Austin Bayou	Brazoria	•	•	••		•••		••		•
Bastrop Bayou	Brazoria	•	•	••		•••		•		•
Big Creek	Fort Bend	•	•	••	••			•	•	•
Big Creek	San Jacinto	•		•••	•	•		R	•	•
Brazos River	Austin/Waller/Braz.a/Ft Bend	•	•••	•••		••	•	••	••	
Caney Creek[1]	Walker/Harris	•	••	••					•	
Carpenters Bayou	Harris	•	••	•				•	••	
Cedar Lake Creek	Brazoria	•	••	••		••••		•		•
Clear Creek	Waller	•	••		•			R		
East Fork San Jacinto River	Walker/Harr./San J./Lib./Mont.	•	••	••	•••				•	
East Sandy Creek	Walker	•	•	•						
Halls Bayou	Brazoria	•	•			•				
Harmon Creek	Walker	•	••	•	•			••	•	
Jones Creek	Brazoria	•	•	••				•,•		
Lake Creek	Montgomery	•	••		•••	•		R	•	
Luce Bayou	Harris/Liberty	•	••				•	•		
Menard Creek	Polk	•	••	•		•		R		•
Mill Creek	Austin	•	••		••	•			••	
Nelson Creek	Walker	•	•		••				•	
Old River	Liberty	•	••	•	•					
Oyster Bayou	Chambers	•	•	••				••		•
Redfish Bayou	Brazoria		•	••				•	•	
San Bernard River	Brazoria/Fort Bend/Austin	•	••			••		••	•	
Upper Trinity River	Walker/Leon/Houston		•			•		••		
Lower Trinity River	Chambers/Liberty	•	•••	•••		••	E	••	•	
Upper Keechi Creek	Leon	•	•	•				•		
Wheelock Creek	Leon		•		•					
Winters Bayou[1]	San Jacinto/Walker	•	••	•	•					
Recommended by Houston Sierra Club (2005):										
Boswell Creek	Walker/San Jacinto	•	•	•	•	••				
Briar Creek	Walker		•	•						
East Bay Bayou	Chambers		•	•				••		
Henry Lake Branch	San Jacinto		•	•					•	
Little Lake Creek[1]	Montgomery/Walker		•	•						
Lost River	Chambers/Liberty	•	•	•						
Onion Bayou West Fork San Jacinto	Chambers	•	•	•				••		
West Fork San Jacinto[1]	Walker		•	•			•			
West Sandy Creek	Walker		•	•						
Recommended by RHWPG Members (2005):										
Lone Oak Bayou	Chambers	•	•		•					
Whites Bayou, below IH-10	Chambers/Liberty		•	•	•					

Agenda Item 12
USS and URS, Rec.

- Preliminary Recommendation
  - Retain 2011 recommendations
    - Armand Bayou
    - Austin Bayou
    - Bastrop Bayou
    - Big Creek (Fort Bend)
    - Big Creek (San Jacinto)
    - Cedar Lake Creek
    - Menard Creek
    - Oyster Bayou



Agenda Item 12
USS and URS, Rec.

- Unique Reservoir Sites
  - Location
  - Hydrology
  - Geology
  - Topography
  - Water Availability
  - Water Quality
  - Environmental Qualities
  - Cultural Values
  - Development Characteristics

- 2011 Region H RWP

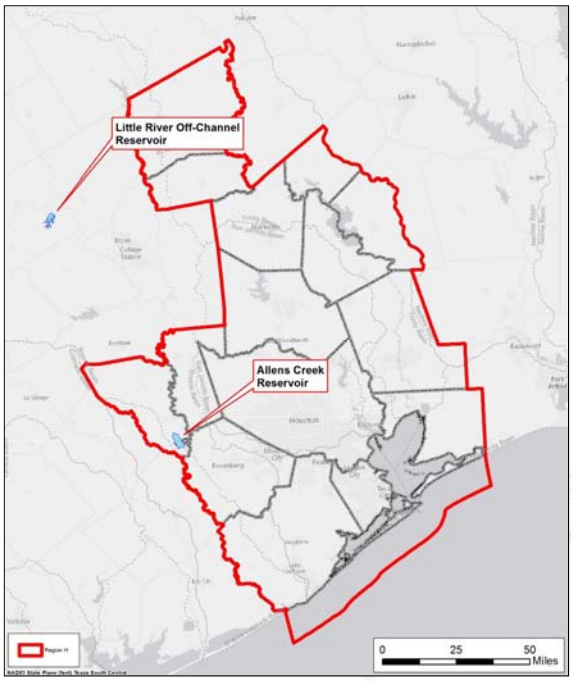
Recommended WMS
- Allens Creek Reservoir
- Bedias Reservoir

Alternative WMS
- Little River Off-Channel Reservoir
- Little River Reservoir

- Designated by Legislature
  - Expires September 1, 2015

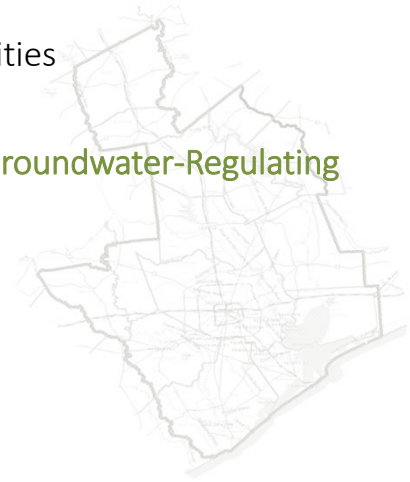
Agenda Item 12
USS and URS, Rec.

- Preliminary Recommendation
  - Retain 2011 WMS sites
    - Allens Creek Reservoir
    - Little River Off-Channel Reservoir



Agenda Item 12
USS and URS, Rec.

- Regulatory and Administrative
  - Quantitative Environmental Analysis
  - TPDES Permitting of Wastewater Reclamation Facilities
  - Access to Current Water Availability Models
  - Availability of Groundwater within Jurisdictions of Groundwater-Regulating Entities



Agenda Item 12
USS and URS, Rec.

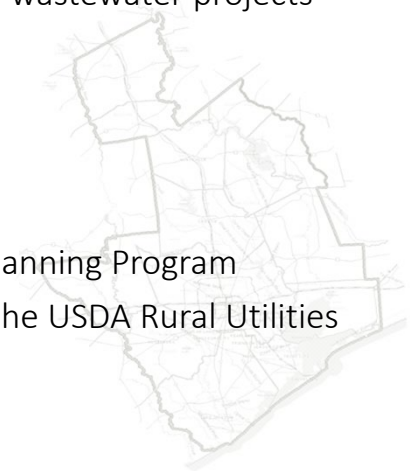
- Legislative
  - Interbasin Transfers
  - Texas Bays and Estuaries Program Funding
  - Rule of Capture
  - Groundwater Conservation Districts
  - Water Supply Project Financing Mechanism
  - Groundwater Availability Modeling Funding
  - Agricultural and Irrigation Conservation Funding
  - Water Conservation
  - Water Conservation Research Funding

Agenda Item 12
USS and URS, Rec.

- Legislative (continued)
  - Flood Liability of Water Supply Reservoirs
  - Incorporation of Technology Advancements in Projections
  - Ongoing RWPG Activities

Agenda Item 12
USS and URS, Rec.

- Infrastructure Finance
  - Board Participation Program for regional water and wastewater projects
  - State Revolving Fund Programs
  - State Loan Program
  - Agricultural Water Conservation Loan Program
  - Texas Community Development Program
  - Regional Water Supply and Wastewater Facilities Planning Program
  - Water and Waste Disposal Loans and Grants from the USDA Rural Utilities Service
  - Desalination Research and Demonstration Projects



Agenda Item 12
USS and URS, Rec.

- Infrastructure Finance (continued)
  - Water Research Program – Agriculture
  - Regionalization

Agenda Item 12
USS and URS, Rec.

- Next Steps
  - Incorporate into Chapter 8
  - Available for review in March
  - Approved along with IPP in April

Recommendation	Type
Quantitative Environmental Analysis	Regulatory and Administrative

Discussion:

The Regional Water Planning Guidelines require that the evaluation of potentially feasible water management strategies include a quantitative analysis of environmental factors including effects on wildlife habitat, cultural resources, and effect of upstream development on bays, estuaries, and arms of the Gulf of Mexico (31TAC357.7.(a)(8)(A)). The TWDB has provided detailed guidance on specific study methods to be used in determining population, water demand, project costs, socioeconomic impacts and yield from current and proposed supply sources, but it has not provided similar guidance in the area of environmental impacts. This lack of specificity is resulting in different methods being used in different regions. Additionally, it places the planning groups at risk of needing to conduct additional analysis after state agencies review the Initially Prepared Plans, and add those results to the report after the public review period has closed.

Recommendation:

The Region H Water Planning Group recommends that the TWDB determines, in conjunction with the TCEQ and TPWD, which specific environmental studies and analysis are required for each category of management strategy (i.e., new water right, new reservoir, etc.). Furthermore, the guidance should be added to the Planning Guidelines, so that RWPGs can reflect the cost of those requirements in their budgets and scopes of work. Adding environmental guidelines will also make water plans consistent across the State.

Recommendation	Type
TPDES Permitting of Wastewater Reclamation Facilities	Regulatory and Administrative

Discussion:

Existing Texas Pollutant Discharge Elimination System (TPDES) permit requirements do not encourage, and in fact discourage, wastewater reuse and reclamation. This recommendation relates solely to issues in the TPDES permitting process and not rules directly applicable to the use of reuse and reclaimed water outlined in TCEQ Section 210. Authorization of reclaimed water use may require a new or amended permit when the treatment results in a discharge of wastewater into waters within the state. This effectively double-counts the waste load from a facility and could potentially provide a regulatory obstacle for some wastewater reuse projects.

In terms of wastewater reuse (e.g., without further treatment), a violation of an end-user's discharge permit could be caused by using effluent to replace or supplement another water source. An example would be an industry, whose discharge is close to its permitted limit for a given constituent, exceeding that limit by virtue of its use of effluent from a separate wastewater treatment plant.
In terms of wastewater reclamation (e.g., with further treatment), permitting the discharge from a wastewater reclamation facility could be difficult and unnecessarily expensive in certain cases. Wastewater reclamation often entails advanced treatment of wastewater discharged from one or more treatment facilities for industrial use. If this advanced treatment facility is separate, it may require a separate TPDES permit. Under current TCEQ rules for consolidated permits, discharges from a new facility are considered as occurring in addition to all currently permitted discharges for the purpose of assessing the collective effect on the receiving stream. While this is the correct procedure for evaluating a discharge from a new waste source, it effectively double-counts the waste load from a reclamation facility; once at the original plant, and again at the additional treatment facility. Designing a reclamation facility to sufficiently mitigate this double-counting is unneeded and may be cost-prohibitive. In actuality, the waste load should be divided between the applicable facilities depending upon the reuse and reclamation demands.

Therefore, the permitting process should be modified to address both reuse and reclamation projects that draw effluent from existing wastewater plants, so that daily loads may be accurately assessed on a combined maximum daily load and maximum daily concentration basis. Wastewater plants should be permitted accordingly.

Recommendation:

The Region H Water Planning Group recommends that the TCEQ clarify the TPDES rules for wastewater permitting so that the environmental impacts of reuse and reclamation facility discharges are assessed in conjunction with appurtenant reductions in discharges for their source water facilities. This will eliminate double-counting of waste loads and remove a potential obstacle for some wastewater reuse projects in the State.

Recommendation	Type
Access to Current Water Availability Models	Regulatory and Administrative

Discussion:

Water Availability Models (WAMs) are a core component of the regional water planning process and, furthermore, are required by TWDB's rules for plan development. During the development of the 2016 RWP, TWDB's rules required the use of the most current Run 3 (Full Authorization) WAM and also the consideration of environmental flows standards as adopted by TCEQ for each applicable basin. However, model versions for the San Jacinto and Brazos River Basins including environmental flows standards were not made available in a reasonable timeline for use in the development of the RWP despite the adoption of these standards in 2011 and 2014, respectively. The absence of these models required the Regional Water Planning Groups working in these basins to develop representative models themselves in an effort to account for TWDB-mandated requirements to consider environmental flows. This produced not only an undue burden on the Planning Groups, but also introduced an opportunity for inconsistency across Groups and between the Groups and the State regarding their interpretation and application of the environmental flow standards. In addition, models for various models throughout the state were often not available through TCEQ's website during this planning process with the only explanation provided as "WAM files for this basin are being updated and are currently unavailable." Finally, due to extreme hydrologic conditions, many basins throughout Texas have experienced new drought of record in recent years that are not included in the historic period of the current WAMs. To date, no timeline has been proposed for the extension of these periods in order to cover these conditions which has also placed additional burden on the development of RWPs in these regions. Due to the critical nature of these models for both regional planning and water rights analyses, it is imperative that a more robust system be implemented for maintaining these models and making them available to the public.

Recommendation:

The Region H Water planning Group recommends that TCEQ rules be amended to include a reasonable timeline for the update of WAMs based associated with significant changes to water rights conditions in each basin and also on a routine basis as the historical period of record grows over time. Furthermore, these rules should require that the most recent model for each basin be made available through the TCEQ website for use by both the RWPGs and the public.

Recommendation	Type
Availability of Groundwater within Jurisdictions of Groundwater-Regulating Entities	Legislative

Discussion:

During the development of the 2016 Region H Regional Water Plan, it was recognized that the approach to groundwater availability required by TWDB's rules may place an unrealistic limit on groundwater production for various reasons, including:

- Although GCDs are bound to the DFCs adopted by GMAs, they are not required to use the MAG as a means of achieving that goal.
- The perspectives of the GMA and RWP processes are inherently different. Where pumpage estimates used in GMA planning represent long-term levels of groundwater production, the demands and supplies used by RWPGs must represent dry-year conditions. Strict adherence to the MAG prevents the use of flexibility in dealing with short-term supply needs.
- The requirement that RWPs be developed using the MAGs as the sole source of groundwater supply information may create an undue burden to the GMA process. As demands in Region H change over time, so does the allowable level of groundwater pumpage, requiring the GMA process to regularly

The result of this requirement has been the undue unrealistic water needs in excess of 200,000 ac-ft/yr along with costs that are not consistent with the actual, long-term water supply strategy for the region. In order for the planning process to maintain a bottom-up approach and a realistic view of

Recommendation:

Allow Regional Water Planning Groups to work with local regulatory bodies to develop appropriate, dry-year groundwater supplies for use in regional water planning that are consistent with local conditions and regulation.

Recommendation	Type
Interbasin Transfers	Legislative

Discussion:

Senate Bill One states that water rights developed as a result of an interbasin transfer become junior to other water rights granted before the interbasin transfer permit. Senate Bill One made obtaining a permit for interbasin transfer significantly more problematic than it was under prior law and thus, it discouraged the use of interbasin transfers for water supply. This is undesirable for several reasons. First, current supplies greatly exceed projected demands in some basins, and the supplies already developed in those basins can only be used via interbasin transfers (e.g. Trinity Basin within Region H).

Second, interbasin transfers have been used extensively in Texas and are an important part of the state's current water supply. For example, three of the five Region H Major Water Providers (City of Houston, Trinity River Authority and San Jacinto River Authority) maintain current permits for interbasin transfers collectively of over 1,000,000 acre-feet per year. A substantial portion of future water demands within the San Jacinto basin (Harris County in particular) of Region H must rely on interbasin transfers.

Third, emerging regional water supply plans for major metropolitan areas in Texas (Dallas-Fort Worth and San Antonio) rely on interbasin transfers as a key component of their plans. It is difficult to envision developing a water supply for these areas without significant new interbasin transfers.

Recommendation:

The Region H Water Planning Group recommends that the legislature revise the current law on interbasin transfers and remove the unnecessary and counterproductive barriers to such transfers that now exist.

Recommendation	Type
Texas Bays and Estuaries Program Funding	Legislative
Discussion:	
The Texas 80th Legislature established the current process of assessing the environmental quality of riverine and estuarine systems and applying the "best available science" in prescribing actions to preserve these systems. These recommendations have, in turn, been incorporated into the Regional Water Planning process and serve as a critical standard for the evaluation of future water management strategies. However, the current levels of funding within the State of Texas Bay & Estuary program are insufficient to continue the needed monitoring, study, and development of management strategies for the bay.	
Recommendation:	
The Region H Water Planning Group recommends establishment of additional and dedicated funding to pursue necessary future efforts of the Galveston Bay & Estuary program.	

Recommendation	Type
Rule of Capture	Legislative
Discussion:	
Groundwater is a vital resource within Region H. This is especially true within the rural counties of the region that are predominantly dependent on groundwater. Current groundwater law based on the Rule-of-Capture has facilitated orderly development of groundwater systems throughout the State of Texas and, barred the intrusion of private interests, and it could continue to serve the water usage interests throughout the state. It appears that the Rule-of-Capture could continue per the status quo to serve the groundwater interests within the region.	
Recommendation:	
The Region H Water Planning Group supports continued usage of the Rule-of-Capture as the basis of groundwater law throughout the State of Texas except as modified through creation of certified groundwater conservation districts.	

Recommendation	Type
Groundwater Conservation Districts	Legislative
Discussion:	
Region H communities, particularly those within the rural areas of the region, are dependent on groundwater supplies. Groundwater is a very valuable resource to this region. Region H contains counties, specifically Austin, Leon and Madison, where some municipalities, water supply corporations and property owners believe Groundwater Conservation Districts (GCD) are needed to retain long-term groundwater supplies within their respective counties. Region H also has several counties, including Brazoria, Waller and Montgomery, where groundwater supplies will, in theory, reach their maximum sustainable yield due solely to projected in-county water usage rates. A GCD is a potential vehicle for these counties to manage and protect groundwater supplies from over-development within each respective county. Senate Bill 2 of the 77th Legislature authorized the formation of four new GCDs in Region H (Bluebonnet, Brazoria County, Lone Star and Mid-East Texas) to manage and protect groundwater resources.	
Recommendation:	
The Region H Water Planning Group supports creation of GCDs, as necessary, by local subarea water interests. The RHWPG supports development of truly regional GCDs as opposed to single county districts to recognize the regional expansiveness of underground aquifers and to provide the greatest degree of regional water supply protections.	

Recommendation	Type
Water Supply Project Financing Mechanism	Legislative

Discussion:

The Region H Regional Water Plan includes development of several surface water reservoirs and other supply projects. The capital cost to develop these projects is significantly higher than the historic cost of water supply projects. The high projected costs dissuade local communities from making a financial commitment to support future projects. These financing issues will delay the implementation of needed projects.

The 80th Texas Legislature (2007) appropriated funding to enable issuance of $440 million in bonds for the Water Infrastructure Fund (WIF) to fund water plan projects. The program is designed with a maximum repayment period of 20 years, which may not be adequate for financing larger projects such as surface water reservoirs.

In 2013, the Texas Legislature created the State Water Implementation Fund for Texas (SWIFT) which was approved by Texas voters to provide $2 billion dollars for the creation of a new loan program for the implementation of the State Water Plan. This program offers low-interest and deferred loan with maturities up to 30 years which enhances the opportunity for finding large, capital projects that are critical to the SWP. In addition, the program also funds the option of State ownership in projects as another alternative for development.

Recommendation:

The Region H Water Planning Group wishes to recognize the Legislature's efforts in implementing the SWIFT program and also supports ongoing and expanded support for financing methods by the State of Texas for development of water supply projects recommended within adopted RWPs.

Recommendation	Type
Groundwater Availability Modeling Funding	Legislative
Discussion:	
Many areas of Region H are totally dependent on groundwater to support the long-term viability of these areas. The current Groundwater Availability Modeling (GAM) effort is supported since it is the most comprehensive groundwater assessment and analysis effort of the previous 20 years. The current GAMs effort, however, is omitting minor aquifers and other groundwater considerations that are vital for certain local communities.	
Recommendation:	
The Region H Water Planning Group supports continued funding for the GAMs effort and recommends comprehensive analysis of all groundwater resources within the state.	

Recommendation	Type
Agricultural and Irrigation Conservation Funding	Legislative
Discussion:	
The Region H water management plan includes a number of irrigation conservation based water management strategies. It is apparent that adoption of irrigation conservation practices may benefit the irrigation and agricultural industry in addition to local communities that may take advantage of water supply savings resulting from irrigation conservation. Additionally, the RHWPG supports further research and development of water-efficient and drought-resistant crop and species.	
Recommendation:	
The Region H Water Planning Group supports funding of research and development studies associated with the efficient usage of irrigation technologies and practices.	

Recommendation	Type
Water Conservation	Legislative
Discussion:	
The RHWPG strongly supports water conservation at all levels. The RHWPG has incorporated water conservation in the regional water plan as a management strategy. However, realizing advanced conservation savings in municipal county-other areas may be difficult, as these practices require some management, funding and oversight. While the RHWPG does not advocate a one-size-fits-all conservation program for the State of Texas, they recommend that the legislature address water conservation and provide some guidance and ability for county and local governments to implement these programs. The 78th Legislature appointed a Water Conservation Task Force to study water conservation policies and best management practices, and to report their results to the 79th Legislature in 2005. The 80th Legislature passed Senate Bill 3 creating a Water Conservation Advisory Council consisting of 23 members to provide a resource with expertise in water conservation.	
Recommendation:	
Region H Water Planning Group supports water conservation and recommends that the legislature continue to address and improve water conservation activities in the state.	

Recommendation	Type
Water Conservation Research Funding	Legislative
Discussion:	
The Water Conservation Implementation Task Force identified numerous best management practices in TWDB Report 362 – Water Conservation Best Management Practices Guide. The Best Management Practices outlined in the report were developed using information compiled from past research and studies along with information provided by the task force members. Additional water-saving technologies may still be developed in the future.	
Recommendation:	
The Region H Water Planning Group recommends that the State fund research into advanced conservation technologies.	

Recommendation	Type
Flood Liability of Water Supply Reservoirs	Legislative

Discussion:

Flood control reservoirs are generally drawn down at the beginning of the annual wet season so that when large rain events occur, the runoff may be captured and later released more slowly into the receiving stream. These reservoirs therefore reduce downstream flood levels and prevent inundation in low areas. In contrast, water supply reservoirs are operated to capture and retain as much stream flow as allowable under their permits in order to have supply available during periods of high demand. This practice results in less available storage volume to capture runoff during major storms. When a major storm event occurs upstream or above a water supply reservoir, the reservoir operator must sometimes release flood flows during and after the event to prevent flooding upstream of the reservoir or to prevent damage to the dam and other facilities associated with the reservoir. Although this flood flow can contribute to downstream flooding, most reservoirs actually reduce the amount of flooding which could have occurred had the reservoir not been constructed.

In recent years, plaintiffs with property in the downstream floodplains have brought multiple lawsuits against major water supply reservoir operators. Some recent court decisions have held the operators liable for damages to the downstream properties. If this trend is allowed to continue, it will increase insurance rates for these entities and will force operational changes to occur that may result in less available water supply for periods of need. The net effect to water users will be an increase in the cost of surface water throughout the state.

Recommendation:

Consider State legislation clarifying the liability exposure of reservoir operators for passing storm flows through water supply reservoirs.

Recommendation	Type
Incorporation of Technology Advancements in Projections	Legislative
Discussion:	
Current population projections based on traditional historic growth patterns may not accurately reflect the changes likely to occur in the future as digital connectivity continues to alter our economic, educational and social institutions.	
Recommendation:	
The Region H Water Planning Group recommends that the State direct the State Demographer's office to explore the potential changes in population distribution made possible by rapid advancements in information technology.	

Recommendation	Type
Ongoing RWPG Activities	Legislative

Discussion:

It is apparent that the RWPGs will have to meet periodically to address changed conditions related to the adopted regional water management plans. Ongoing activities will include, but not be limited to:

1. Consideration of additions and modifications to the adopted plans
2. Serving as communications liaisons with the water user communities within each region
3. Assisting in the reconciliation of inter-regional water issues

It will be necessary to consider additional and adequate funding to support maintenance of the RWPGs. Also, the administrative provisions of Senate Bill One and the subsequent policies that have been enacted should be reviewed to determine if the appropriate organizational structure exists to accomplish the work of the RWPGs. Additional funding should be developed to support technical studies necessary to support the needs of the RWPGs.

Recommendation:

The Region H Water Planning Group recommends that the TWDB request additional and adequate funding and the adoption of the appropriate administrative procedures from the legislature to facilitate ongoing activities of the RWPGs. Funding should be made available throughout the entirety of the planning cycle without funding “gaps” that make it difficult for planning groups to accomplish their ongoing efforts.

Recommendation	Type
Board Participation Program for regional water and wastewater projects	Infrastructure Finance

Discussion:

This program enables the Water Development Board to assume a temporary ownership interest in a regional project when the local sponsors are unable to assume debt for an optimally sized facility. Payments on the funds provided by the State are deferred until a customer base grows into the capacity it funded. The deferred interest payments do not accrue additional interest. By funding up to 50% of a project, the program helps the local sponsors optimize facility sizes and avoid later expansions and replacements.

This program will be extremely important for the development of the recommended water management strategies, as well as for water treatment and distribution systems. Large projects, particularly reservoirs, must be developed in anticipation of future demands due to the long periods of time required for planning, permitting, property acquisition and construction. For example, Allens Creek Reservoir is estimated to cost over $316 million. The current customer base cannot support this high cost. The Board Participation program is one of the few programs available to assist local sponsors with this water management strategy. Other reservoir projects within Region H could also experience similar financing issues.

The Board Participation Program will also be important during the expansion of surface water service into areas affected by subsidence. As areas develop and implement Groundwater Reduction Plans, it is expected that communities will develop plans for regional treatment and distribution systems to reduce costs. Board participation in these facilities will allow them to be optimally sized at their inception. The Board Participation Program offers the important advantage of reducing the unit costs for water service for both existing and future water users of the optimally sized facility.

Recommendation:

Increase funding of the Board Participation Program as needed to allow development of these water supply projects.

Recommendation	Type
State Revolving Fund Programs (Drinking Water State Revolving Fund and Clean Water State Revolving Fund)	Infrastructure Finance

Discussion:

These programs provide loans at subsidized interest rates for the construction of water treatment and distribution systems and for source water protection (DWSRF) and for wastewater collection and treatment systems (CWSRF). As the loans are paid off, the TWDB uses the funds to make new loans (thus the name Revolving Fund). State funds for the program receive a federal match through the Environmental Protection Agency. These loans are intended for projects to bring existing systems into compliance with rules and regulations, and are available to political subdivisions, water supply corporations and privately-owned water systems. Applications are collected at the beginning of each year, given a priority ranking, and funded to the extent possible. Projects not funded in a given year may carry forward into the next year's ranking.

These programs are important in that they assist sub-standard water systems in attaining the minimum water quality mandated by Federal and State regulations, but they are not intended to fund system expansions due to projected growth. However, these programs may apply to individual systems in the Region experiencing water quality declines, or to those systems affected by the changed standard for Arsenic. The SRF Fund may also provide assistance to water providers with aging treatment systems and transmission lines.

Recommendation:

Increase the funding of the State Revolving Funds Program in future decades, and expand the program to include coverage for system capacity increases to meet projected growth for communities.

Recommendation	Type
State Loan Program	Infrastructure Finance

Discussion:

The State Loan Program provides loans to Political Subdivisions and Water Supply Corporations for water, wastewater, flood control and municipal solid waste projects. Payments are not deferred in this program as they are under the State Participation Program, and the interest rates are not subsidized as they are in the Revolving Fund Programs. These loans are available for both local projects and for the local sponsors of regional projects. Acquisition and construction of water treatment and distribution systems are eligible for funding. Loans are made on a first come, first served basis.

This program will be heavily utilized in groundwater-served areas introducing surface water to meet current and projected demands. The ready availability of groundwater across the region has allowed development to occur outside existing surface water service areas. As the limits of available groundwater are reached (sustainable yields and/or regulatory limits), surface water treatment and transmission systems must be constructed to meet future demands. The costs are significant in that they are required in a short time span, instead of initiated and expanded over time as they are in areas originally served by surface water. Where local rate payers cannot afford to directly pay for transition costs, State loans offer a significant cost advantage over most commercial and many public funding options, using the State's high bond rating rather than the rating of the local sponsor.

Recommendation:

Increase funding of the State Loan Program to meet near-term infrastructure cost projections.

Recommendation	Type
Agricultural Water Conservation Loan Program	Infrastructure Finance

Discussion:

This program provides loans to soil and water conservation districts, underground water conservation districts and districts authorized to supply water for irrigation. These districts may further lend the funds to private individuals for equipment and materials, labor, preparation and installation costs to improve water-use efficiency related to irrigation of their private lands. There is also a grant program for equipment purchases by eligible districts for the measurement and evaluation of irrigation systems and agricultural water conservation practices, and for efficient irrigation and conservation demonstration projects, among others. However, these grants are not available to individual irrigators. Similar Federal loan and grant programs are available, but require a 25% to 50% local match.

In the Region H Water Plan, irrigation conservation is a recommended strategy in eight counties (Austin, Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, and Waller). In some cases, the conservation of water through these agricultural programs provides additional water for use by municipalities that also sue groundwater supplies. As it is unlikely that municipalities will seek out and fund irrigation conservation projects, the task of encouraging conservation will fall to the wholesale water providers and those government entities with jurisdiction in those counties. Even with Agricultural Water Conservation Loan Program assistance, irrigators will be slow to invest in water-conserving equipment until water rates increase, making it economically advantageous to do so. The difficulty increases in areas where groundwater is the primary supply source for irrigation.

Additionally, irrigators in Region H also find it difficult to access funding programs as these typically require ownership of the irrigated property. Much of the production within the region is performed by farmers who lease land from others, making them ineligible for these programs.

Eligible districts will need to act as conservation brokers, identifying those irrigators with the potential to reduce water demand through equipment improvements, and matching them with available loans. By reducing usage in this manner, water suppliers will be able to provide the saved portion of their supply to new customers. To assist with the immediate adoption of these improved conservation practices, a one-time grant or subsidy program for water-efficient equipment purchases may help by reducing the loans amounts required by each irrigator. If the requirements of an existing Federal loan or grant program could be met, the State could provide all or part of the local matching share. Since the methods used by irrigators vary across the state, such a program would need to be flexible, with local oversight provided by those districts currently eligible for the Agricultural Water Conservation Loan Program. Consistency with the applicable Regional Water Plan may be included as a prerequisite for this program, as it is for other State grants and loans.

Recommendation:

Provide a mechanism to leverage Federal grant programs for agriculture by providing the local matching share. Increase funding of associated loan programs and consider adding a one-time grant or subsidy component to stimulate early adoption of conservation practices by individual irrigators. Provide opportunities for joint cooperation between growers and land owners to facilitate the use of funding programs for property under long-term lease agreements.

Recommendation	Type
Texas Community Development Program	Infrastructure Finance
Discussion:	
The federal Community Development Block Grant program provides grants and loans to low-income communities for certain projects, including water and wastewater infrastructure. It is administered in Texas under the Office of Rural Community Affairs as the Texas Community Development Program. The Small Town Environment Program (STEP) under the TCDP provides water and sewer system grants to cities and counties not eligible for funding under the Colonias or Economically Disadvantaged Areas Programs (EDAP). Within Region H, there are no Colonias or EDAP-eligible communities, but STEP grants may be obtained.	
Recommendation:	
Continue State and Federal support of the Texas Community Development Program, and increase the allocation of funds for the Small Town Environment Program.	

Recommendation	Type
Regional Water Supply and Wastewater Facilities Planning Program	Infrastructure Finance

Discussion:

This program provides planning grants to Political Subdivisions for studies and analyses to determine feasible alternatives for regional water supply and wastewater facility needs. The planning must include more than one service area or political subdivision to be considered regional. Grants are generally limited to 50% of the total cost, and cannot be applied to the preparation of state and federal permits, administrative or legal proceedings of regulatory agencies, or the preparation of engineering plans and specifications.

This grant program can assist in planning for local areas, particularly the unincorporated areas of each county. Local sponsors investigating the best means to serve their populations may join with neighboring communities and water providers and request a planning grant, thus reducing their individual planning costs. Determination of the optimal institutional arrangement between political subdivisions is one of the eligible study areas under this program. Should a regional facility prove to be the best solution for the group, they may elect to pursue additional support from the State Loan and Participation programs.

One limitation of the program is that it cannot be applied to the detailed facility planning or preliminary engineering design of the proposed facility. These early engineering phase costs can represent as much as 30% of the cost of the facility, and generally must be completed before accurate financial requirements can be defined. Inclusion of these costs in either the planning grant or pre-project loan programs would better help these small communities develop the projects they need.

Recommendation:

Increase funding of e Regional Water Supply and Wastewater Facilities Planning Program in anticipation of upcoming development throughout the state, and expand the program to include the preliminary engineering design costs for recommended facilities.

Recommendation	Type
Water and Waste Disposal Loans and Grants from the USDA Rural Utilities Service	Infrastructure Finance

Discussion:

This Federal program provides loans and grants in rural areas and communities of up to 10,000 people for water, wastewater, storm water and municipal solid waste projects. The program is intended for communities that cannot obtain commercial loans at reasonable rates. Loans are made at or below market rates, depending upon the eligibility of the recipient. Grants can cover up to 75% of project costs when required to reduce user costs to a reasonable level. A separate program of Emergency Community Water Assistance Grants (up to $500,000 per project) is also available to communities experiencing rapid declines in water quality or quantity.

This program is similar to the state loan and revolving fund programs. It offers another option to small communities and rural areas unable to finance required infrastructure without assistance. However, this is a nationwide program, and the competition for available funds is correspondingly greater. Colonias and border areas are specifically identified as target areas for the grant portion of this program, and it is therefore in the State's interest to support its continued funding.

The TWDB was recently authorized by the 77th Texas legislature to establish a similar program at the state level. The Rural Water Assistance Fund will provide low-interest loans to municipalities, water districts and non-profit water supply corporations. The program is still under development and has not yet been funded.

Recommendation:

Support continued and increased funding of Water and Waste Disposal Loans and Grants from USDA Rural Utilities Service at the Federal level, and fund the State Rural Water Assistance Fund.

Recommendation	Type
Desalination Research and Demonstration Projects	Infrastructure Finance
Discussion:	
House Bill 1370 of the 78th Texas legislature directed the Texas Water Development Board to "undertake or participate in research, feasibility and facility planning studies, investigations and surveys as it considers necessary to further the development of cost-effective water supplies from seawater desalination in the state." The TWDB has concluded desalination site assessments, and is preparing to assist in the construction of three demonstration facilities along the Texas Gulf Coast. The Region H Water Planning Group supports this demonstration project.	
Recommendation:	
Provide research grants for the study of current and upcoming desalination technologies available to wholesale and retail water suppliers. Continue to fund appropriate demonstration facilities to develop a customer base, and pursue Federal funding for desalination programs. Focus particular attention to "near-term" efforts such as brackish groundwater desalination as a way of bridging current and long-term seawater desalination alternatives.	

Recommendation	Type
Water Research Program - Agriculture	Infrastructure Finance
Discussion:	
The Texas Water Development Board offers research grants to individuals or political subdivisions for water research on topics published in the Board's Request for Proposals. Eligible topics include product and process development. In the Region H Water Plan, one recommendation to the legislature is to establish funding for agricultural research in the areas of efficient irrigation practices and the development of water-efficient and drought-resistant crop and species. Irrigators cannot generally afford the increased cost of water when new supplies are developed in today's market. By reducing demand in a cost-efficient manner, small irrigators may be able to continue farming. This is another potential topic for the Water Research Program.	
Recommendation:	
Provide increased research grants to study and better develop drought-resistant crop species and efficient irrigation practices.	

Recommendation	Type
Regionalization	Infrastructure Finance

Discussion:

As communities assess the growing costs of water infrastructure, economies of scale can be realized by combining the needs of water user groups into larger, more efficient water supply, treatment and distribution facilities. Regional facilities offer interconnections between existing systems, which can increase overall reliability. The individual system connections to these systems can be phased over time to meet regional demands with less impact on individual systems than each individually trying to expand. In areas where groundwater limits are being reached, regional groups can identify areas where surface water supply is most needed, and allow other areas to remain on groundwater systems. Sharing costs across a wide customer base keeps rates comparable between service areas.

A range of cooperative options exists, including formation of regional authorities, inter-local agreements, public-private partnerships, local government corporations and public contracting with a private regional supplier. The optimal arrangement between political subdivisions depends upon the specific project and the goals of the parties. Partnerships with private investors through public-private partnerships and direct contracting with privately-owned facilities offer an advantage of using private financing to meet part of the initial planning and construction costs. The regulations governing these partnerships must protect the public represented by the partnership, but if too restrictive, may prevent the partnership from realizing potential cost savings though the use of private-sector procurement and construction practices.

Consideration should be given to reducing procurement restrictions for Local Government Corporations to encourage the pooling of resources for funding regional projects. Also, existing assistance programs should remain available when political subdivisions enter into public/public or public/private partnerships.

Recommendation:

Region H supports the forming of regional partnerships and encourages the State to allow them the greatest possible latitude for financing in their governing regulations. Additionally, the State Participation Program should be made available to these public/private partnerships and to private nonprofit water supply corporations.

Agenda Item 13

Receive presentation from Consultant Team on recommendations for the schedule of public meetings for presentation of the Initially Prepared Plan.

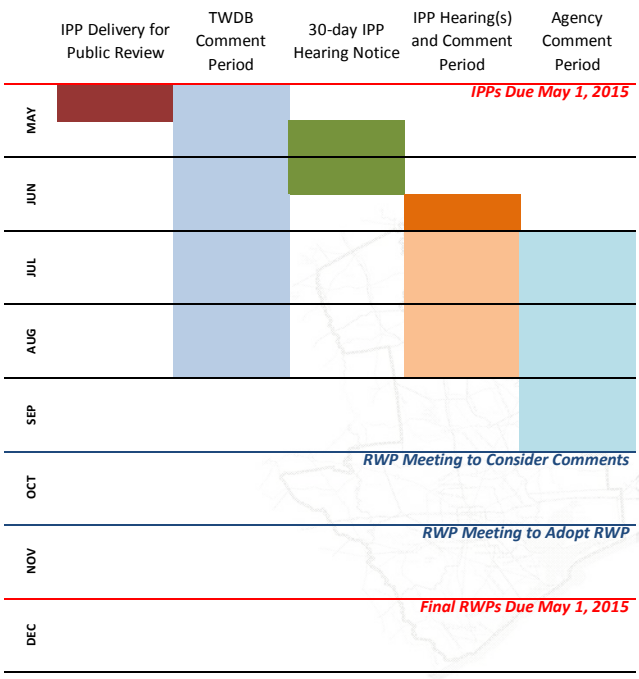
REGION H
Water Planning Group

Agenda Item 13
Public Process

Receive presentation from Consultant Team on recommendations for the schedule of public meetings for presentation of the Initially Prepared Plan.

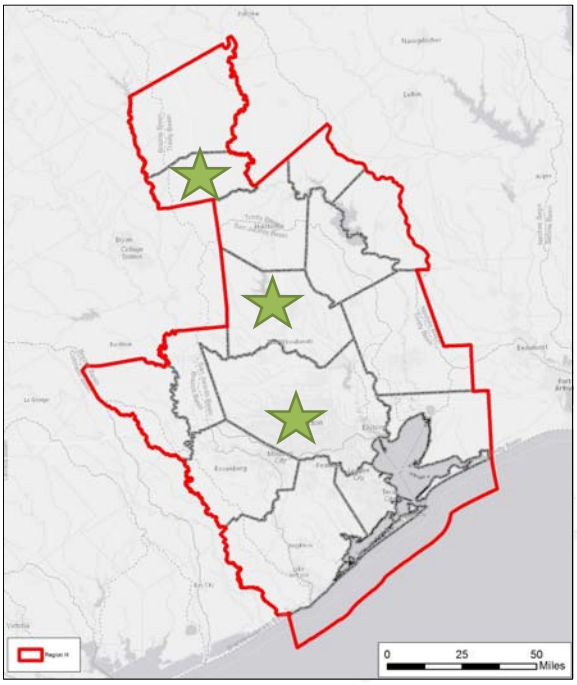
Agenda Item 13
Public Process

- IPP submittal by May 1
- Public events
  - 1 public hearing required
  - Typically 1 public hearing, 3 locations
- Comment periods
  - TWDB: 120 days from IPP submittal
  - Agency: 90 days from public hearing
  - Public: 60 days from public hearing



Agenda Item 13
Public Process

- Proposed schedule
  - Two events (week of June 15)
    - Madisonville
    - Houston
  - One events (week of June 22)
    - Conroe (RWPG meeting)
  - RWPG Meetings
    - October 7
    - November 4



Agenda Item 15

Receive presentation from Consultant Team and Texas Water Development Board regarding the process for and preparation of an application for a Regional Water Planning Grant from the Texas Water Development Board for funding of the fifth round of regional water planning for Region H.

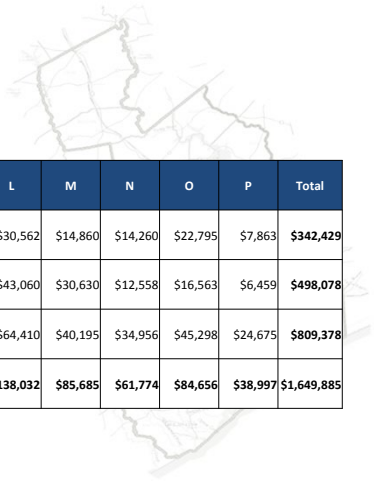
REGION H
Water Planning Group

Agenda Item 15
2021 RWP

Receive presentation from Consultant Team and Texas Water Development Board regarding the process for and preparation of an application for a Regional Water Planning Grant from the Texas Water Development Board for funding of the fifth round of regional water planning for Region H.

Agenda Item 15
2021 RWP

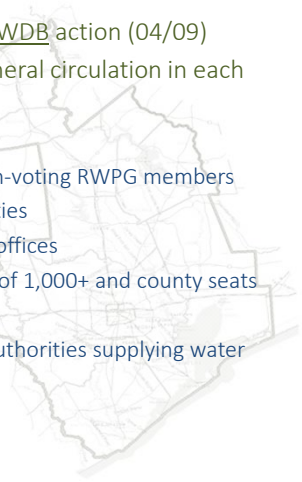
- Texas Water Development Board Research and Planning Fund Senate Bill One Regional Water Planning Grant
  - Publication date: 2014/12/15
  - Due date: 2015/03/03



Task		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Total
2A	Non-Population Related Water Demand Projections	$20,104	$13,707	$24,198	$26,425	$8,064	$29,819	$40,286	$28,385	$26,840	$9,874	$24,387	$30,562	$14,860	$14,260	$22,795	$7,863	**$342,429**
2B	Population & Population-Related Water Demand Projections	$15,043	$10,112	$89,070	$37,364	$10,815	$21,533	$59,531	$73,371	$31,390	$7,414	$33,165	$43,060	$30,630	$12,558	$16,563	$6,459	**$498,078**
10	Public Participation, Administration, and Adoption	$42,373	$33,061	$75,399	$63,808	$26,567	$55,756	$87,983	$76,153	$59,661	$27,279	$51,804	$64,410	$40,195	$34,956	$45,298	$24,675	**$809,378**
Total		**$77,520**	**$56,880**	**$188,667**	**$127,597**	**$45,446**	**$107,108**	**$187,800**	**$177,909**	**$117,891**	**$44,567**	**$109,356**	**$138,032**	**$85,685**	**$61,774**	**$84,656**	**$38,997**	**$1,649,885**

Agenda Item 15
2021 RWP

- Requirements
  - Application
    - Application Form
    - Detailed Scope of Work
    - Schedule
    - Proof of Notification
  - Public Notice
    - 30 days prior to TWDB action (04/09)
    - Newspaper of general circulation in each county
    - Mailed notice
      - Voting and non-voting RWPG members
      - Interested parties
      - County Clerks offices
      - Municipalities of 1,000+ and county seats
      - County judges
      - Districts and authorities supplying water
      - All RWPGs



Type:	RFP/RFI/RFQ
Project Name:	Regional Water Planning
Agency:	Texas Water Development Board
Location:	Austin, TX 78711
Level Of Government:	State
Submittal/Due Date:	**3/3/2015 12:00 PM** **Due in 77 days**
Publication Date:	12/15/2014
Last Updated Date:	12/15/2014
Onvia Reference #:	RFP:30518085

View Map

Print This

Send This

Specifications

Description:

Request for Applications for Regional Water Planning
The Texas Water Development Board's (TWDB) Research and Planning Fund offers grants to eligible applicants for the development or revision of regional water plans. The proposed activities must be the development of a plan, an amendment to an approved regional water plan developed by the regional water planning group for a regional water planning area pursuant to the Texas Water Code, §16.053 and Chapter 357, or other special studies approved by the TWDB which will enhance water planning efforts in the region. Activities eligible for funding are those related to the development or revision of regional water plans including public meetings and hearings. Activities ineligible for funding include activities which the TWDB determines existing information or data is sufficient, activities directly related to the preparation of applications for state or federal permits or other approvals, activities associated with administrative or legal proceedings by regulatory agencies, preparation of engineering plans and specifications, or activities relating to individual system facility needs.

When to Apply
The TWDB is publishing a Request for Applications in the Texas Register, scheduled for December 12, 2014. Unsolicited applications can be filed at any time but will only be considered for funding depending on availability of funds and demonstrated need. The current timeline for consideration of applications is as follows:

•March 3, 2015 – Application, including required scope of work (as defined by TWDB in Request for Applications) due to TWDB by 12:00 p.m. (noon).
•(Estimated April 9, 2015) – TWDB staff will present funding recommendations for Board consideration to negotiate and execute contract amendments. Prior to TWDB Board action, in accordance with 31 TAC 357.21(d)(4), regional water planning groups (RWPGs) should submit proof of public notice that an application for planning assistance has been filed.
Who may apply
Eligible applicant - A political subdivision that has been designated in writing to the executive administrator by the RWPG as a representative of the RWPG to receive funds for all or part of the cost of developing or revising regional water plans defined in Texas Water Code, §16.053 and Chapter 357 of this title (relating to Regional Water Planning).

Political subdivision includes a city, county, district, or authority created under the Texas Constitution, Article III, §52, or Article XVI, §59, any other political subdivision of the state, any interstate compact commission to which the state is a party, and any nonprofit water supply corporation created and operating under Texas Water Code Chapter 67 (relating to Nonprofit Water Supply or Sewer Service Corporations).

Additional Instructions
•Regional Water Planning Grant Application Instructions
•Guidance for Preparation of the Regional Water Planning Grant Application
Additional Information
Documents relevant to the Request for Applications for the fifth cycle of regional water planning
Contact Information
Temple McKinnon, Manager
Regional Water Planning
Texas Water Development Board
P.O. Box 13231, Austin, TX 78711

(512) 475-2057
temple.mckinnon@twdb.texas.gov

Project Documents:	RWP_Grant_Application_Instruct... Document
Products and Services:	**Primary:** Land use services, Water resource services
Categories:	Environmental Planning Clean Water Wastewater

Agency Contact

Buyer:	Temple McKinnon
Buyer Job Title:	Manager
Buyer Email:	temple.mckinnon@twdb.texas.gov
Agency:	Texas Water Development Board
Owner Address:	1700 North Congress Avenue P.O. Box 13231 Austin, Texas 78711
Owner Phone:	p: (512) 463-7847
Owner Website:	http://www.twdb.state.tx.us

Texas Water Development Board

Research and Planning Fund

Senate Bill One

Regional Water Planning Grant

Application Instructions

December 2014

General:
The Texas Water Development Board's (TWDB) Research and Planning Fund offers grants to eligible applicants for the development or revision of regional water plans. The proposed activities must be the development of a plan, an amendment to an approved regional water plan developed by the regional water planning group for a regional water planning area pursuant to the Texas Water Code, §16.053 and Chapter 357, or other special studies approved by the TWDB which will enhance water planning efforts in the region. Activities eligible for funding are those related to the development or revision of regional water plans including public meetings and hearings. Activities ineligible for funding include activities which the TWDB determines existing information or data is sufficient, activities directly related to the preparation of applications for state or federal permits or other approvals, activities associated with administrative or legal proceedings by regulatory agencies, preparation of engineering plans and specifications, or activities relating to individual system facility needs.

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Application Submittal:
Each RWPG must submit a single application containing a proposed scope of work which includes a task and expense budget, a description of tasks to be performed, specific deliverables for each task, and a task schedule. Utilize the document developed by TWDB: "Initial Scope of Work for the Fifth Cycle of Regional Water Planning" located at
http://www.twdb.texas.gov/waterplanning/rwp/planningdocu/2021/index.asp.

Tasks should be related to the following activities:

- Population and water demand projections; and
- Public participation and plan adoption activities.

Initial funding for the fifth regional water planning cycle will be limited to a maximum of $1,649,885

million. None of this funding will be awarded by task on a competitive basis. Administrative funds including public participation activities will account for $809,378 or 49 percent of the initial funds appropriated and will be allocated to each region according to formula funding. The total regional allocation is shown in Table 1 below. See Table 2 for Task budget breakdown by region.

Table 1. Initial Funding by Region

Region	Initial Funding
A	$77,520
B	$56,880
C	$188,667
D	$127,597
E	$45,446
F	$107,108
G	$187,800
H	$177,909
I	$117,891
J	$44,567
K	$109,356
L	$138,032
M	$85,685
N	$61,774
O	$84,656
P	$38,997
Total	**$1,649,885**

Applications are to be copied on both sides of the paper and recycled materials should be used when possible. A total of five (5) copies and one electronic version (CD) should be submitted to the following address:

Texas Water Development Board
Contracts and Purchasing
1700 North Congress
P. O. Box 13231
Austin, Texas 78711-3231

All applications **must be complete** and include general information, proposed planning information, and proof of notification, including a copy of the letter to be sent to individuals and a list of the intended recipients. A list of required items with check boxes has been provided in the following pages to assist you in completing the application. **Please check the boxes after you have included the respective items in the application and return the completed checklist with the application.**

If a Grant is Awarded:
A copy of our standard contract for Senate Bill 1 Research and Planning Fund grants will be forthcoming for preview. Please make note of the following requirements that will be included in the regional water planning contract:

a) applicants must coordinate existing water planning for the purpose of providing information for the proposed planning and to avoid duplication of activities;
b) all subcontracts for professional services must be awarded in accordance with the Professional Services Procurement Act, Tex. Gov't Code § 2254.001, *et seq.;*
c) all subcontracts for work performed before being contracted or assigned must be accepted in writing by the Texas Water Development Board;

d) all subcontracts must include a detailed task and expense budget for each item of work to be performed;
e) all subcontracts must include provisions that require subcontractor compliance with Texas Water Development Board rules and grant contract with the applicant;
f) all subcontractor charges must be paid by the applicant prior to submitting a voucher to the Texas Water Development Board;
g) funding from the Texas Water Development Board will be on a 20-percent advance or cash reimbursable basis with a 5% retainage to be withheld by the Texas Water Development Board until conclusion of the planning contract;
h) applicants must submit payment requests including substantiating documentation and progress reports to the Texas Water Development Board for reimbursement of expenses;
i) applicants must submit twelve (12) double-sided copies of the draft regional water plan (Initially Prepared Plan) to the Texas Water Development Board for review and comment, and two (2) electronic copies of the entire Initially Prepared Plan, one (1) in searchable Portable Document Format (PDF) and one (1) in Microsoft Word (MSWord) Format;
j) applicants must submit nine (9) bound, double-sided copies of the Final Regional Water Plan (using recycled materials when possible) that incorporates and addresses comments received from the Texas Water Development Board; two (2) electronic copies of the entire Final Regional Water Plan, one (1) in searchable Portable Document Format (PDF) and one (1) in Microsoft Word (MSWord) Format; and one (1) electronic copy of all files on which the plan is based;
k) the Texas Water Development Board retains unlimited rights to technical or other data or models resulting directly from the planning, including associated with subcontracts; and
l) applicants must provide the Texas Water Development Board with copies of all original electronic data, models, and programs resulting directly from the planning for the initially prepared plan and the adopted regional water plan.

Additionally, in accordance with 31 TAC 357.12(a)(1), regional water planning groups will be required to hold a pre-planning public meeting to receive public input on issues that should be addressed or provisions that should be included in the regional or state water plan. This meeting must be held prior to conducting any reimbursable activities associated with the regional water plan development.

If you have questions regarding preparation of an application, call the Texas Water Development Board's Contract and Purchasing Division at (512) 936-6079.

Application Checklist

I. GENERAL INFORMATION

☐ 1. Legal name of applicant(s).

☐ 2. Regional Water Planning Group.

☐ 3. Authority of law under which the applicant was created.

☐ 4. Applicant's official representative, Name, Title, Mailing address, Phone number, Fax number, if available, E-mail Address, and Vendor ID Number.

☐ 5. DUNS Number. If you do not have a DUNS number, visit: https://iupdate.dnb.com/iUpdate/viewiUpdateHome.htm

☐ 6. Is this application in response to a Request for Applications published in the *Texas Register*?
Yes x No ☐

☐ 7. If yes to No. 6 above, list document number and date of publication of the *Texas Register*.

☐ 8. Type of proposed planning (Check all that apply)
Initial scope of work ☐
Development of a regional water plan X
Revision of a regional water plan ☐
Special studies approved by TWDB ☐

☐ 9. Total proposed planning cost (see Table 1 for total initial cost by region)

☐ 10. Total grant funds requested from the Texas Water Development Board.

☐ 11. Detailed statement of the purpose for which the money will be used. (Not to exceed 1 page.)

☐ 12. Detailed description of why state funding assistance is needed. (Not to exceed 1 page.)

☐ 13. Identify potential sources and amounts of funding available for implementation of viable solutions resulting from proposed planning.

II. PLANNING INFORMATION

☐ 14. A detailed scope of work for proposed planning. (Include Initial Scope of Work for the Fifth Cycle of Regional Water Planning document prepared by TWDB located at http://www.twdb.texas.gov/waterplanning/rwp/planningdocu/2021/index.asp

☐ 15. A task budget for detailed scope of work by task. (See Table 2 for task budget by region).

☐ 16. An expense budget for scope of work by expense category. *Example is included.*

☐ 17. A time schedule for completing detailed Scope of Work by task. (see Scope of Work document referenced above)

☐ 18. Specific deliverables for each task in Scope of Work. (see Scope of Work document referenced above)

☐ 19. Method of monitoring study progress.

☐ 20. Qualifications and direct experience of proposed project staff.

III. WRITTEN ASSURANCES

Written assurance of the following items:

☐ Proposed planning does not duplicate existing projects;

☐ Implementation of viable solutions identified through the proposed planning will be diligently pursued and identification of potential sources of funding for implementation of viable solutions;

IV. PROOF OF NOTIFICATION

☐ Proof of notification. The notice of intent to apply for Regional Water Planning funds should be posted by the RWPG's Political Subdivision **at least 30 days prior to TWDB Board consideration of funding applications** (estimated TWDB Board meeting date of April 9, 2015). Prior to TWDB Board action, in accordance with 31 TAC 357.21(d)(4), the applicant must provide TWDB a copy of the notice, a list of who the notice was sent to, the date the notice was sent, copies of all notices as published showing the name of the newspaper and date on which the notice was published.

The notification must meet the following requirements as set forth in 31 TAC 357.21(d)(2) and 31 TAC 357.21(d)(6):

1. publishing notice in a newspaper of general circulation in each county located in whole or in part in the regional water planning area (RWPA); and
2. mailing notice to all voting and non-voting RWPG members; any person or entity who has requested notice of RWPG activities in writing or email; each County Clerk, in writing, within the RWPA; each County Clerk in counties outside the RWPA where a recommended or alternative water management strategy would be located; each mayor of a municipality with a population of 1,000 or more or which is a county seat that is located in whole or in part in the RWPA; each county judge of a county located in whole or in part in the RWPA; each special or general law district or river authority with responsibility to manage or supply water in the RWPA based upon lists of such water districts and river authorities obtained from Texas Commission on Environmental Quality; and all RWPGs in the state.

The notice must include the following:

- ☐ Name and address of applicant and applicant's official representative;
- ☐ Brief description of the regional water planning area;
- ☐ Purpose of the proposed planning;
- ☐ Texas Water Development Board Executive Administrator's name (Kevin Patteson) and address (P.O. Box 13231, Austin, Texas 78711);
- ☐ Name and address of contact person at Texas Water Development Board (David Carter, P.O. Box 13231, Austin, Texas 78711);
- ☐ Statement that any comments on the proposed planning must be filed with the applicant and the Texas Water Development Board Executive Administrator within 30 days of the date on which the notice was mailed.

Table 2. Task Budget by Region

TASK		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Total
2A	Non-Population Related Water Demand Projections	$20,104	$13,707	$24,198	$26,425	$8,064	$29,819	$40,286	$28,385	$26,840	$9,874	$24,387	$30,562	$14,860	$14,260	$22,795	$7,863	**$342,429**
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CONTRACTOR (RWPG POLITICAL SUBDIVISION) EXPENSE BUDGET

CATEGORY	TOTAL AMOUNT
Other Expenses[1]	$X
Subcontract Services	$X
Voting Planning Member Travel [2]	$X
Total Study Cost[3]	$XX,XXX

[1] Eligible Other Expenses are administrative costs associated with Political Subdivisions and are defined to be direct, non-labor costs including:

a) expendable supplies actually consumed in direct support of the planning process;
b) direct communication charges;
c) limited direct costs/fees of maintaining RWPG website domain, website hosting, and/or website – not to exceed $250.00 per calendar year;
d) reproduction of materials directly associated with notification or planning activities (currently 10¢ per copy or the actual non-labor direct costs as documented by the Contractor);
e) direct postage (e.g., postage for mailed notification of funding applications or meetings); and
f) other direct costs of public meetings, all of which must be directly related to planning (e.g., newspaper and other public notice posting costs).

[2] Voting Planning Member Travel Expenses is defined as eligible mileage expenses incurred by regional water planning members that cannot be reimbursed by any other entity, political subdivision, etc. as certified by the voting member. The reimbursed amount is limited to the maximum amounts authorized for state employees by the General Appropriations Act, Tex. Leg. Regular Session, 2013, Article IX, Part 5, as amended or superseded.

[3] Ineligible Expenses include, but are not limited to:

a) Compensation for the time or expenses of RWPGs members' service on or for the RWPG;
b) Costs of administering the RWPGs, including labor costs, or building, or overhead costs associated with the Political Subdivision;
c) Indirect or labor costs of public notice and meetings, including time and expenses for attendance at such meetings;
d) Costs for training;
e) Costs of reviewing products developed due to funding requests to TWDB;
f) Costs of administering the regional water planning grant and associated contracts;
g) Labor, reproduction, or distribution of newsletters;
h) Direct costs greater than $250.00 per year for domain fees, website hosting, and/or web site maintenance costs;
i) Food, drink, or lodging for Regional Water Planning Group members (including tips and alcoholic beverages);
j) Purchase, rental, or depreciation of equipment (e.g., computers, copiers, fax machines);
k) General purchases of office supplies not documented as consumed directly for the planning process; and
l) Costs associated with social events or tours.

Agenda Item 17

Receive report regarding recent and upcoming activities related to communications and outreach efforts on behalf of the Region H Planning Group.

Agenda Item 17
Community Outreach

Receive report regarding recent and upcoming activities related to communications and outreach efforts on behalf of the Region H Planning Group.

Agenda Item 17
Community Outreach

- North Houston Association Environment Committee November 13
- Gulf Coast-Montgomery County Water Efficiency Network January 29
- H-GAC Natural Resources Advisory Committee February 5

NORTH HOUSTON ASSOCIATION

WATER EFFICIENCY NETWORK LSGCD

H-GAC Houston-Galveston Area Council

Agenda Item 18

Agency communications and general information.

Texas Water Development Board
P.O. Box 13231, 1700 N. Congress Ave.
Austin, TX 78711-3231, www.twdb.texas.gov
Phone (512) 463-7847, Fax (512) 475-2053

December 8, 2014

Mark Evans
Chair, Region H
c/o N. Harris Co. Regional Water Authority
3648 Cypress Creek Pkwy #110
Houston, Texas 77068

Re: Infrastructure Financing Survey responses

Dear Mr. Evans:

With the recent implementation of the State Water Implementation Fund for Texas (SWIFT), the Texas Water Development Board (TWDB) has made Infrastructure Financing (IFR) Survey forms available on our website. Your planning group has previously conducted the IFR Survey as part of the development of its regional water plan, and will continue to do so under Task 9 in your current planning effort. With an IFR Survey response being a statutory requirement for an entity to access SWIFT funding, some entities pursing SWIFT funds who haven't responded to the last IFR Survey may need to complete an IFR Survey. TWDB will be directly collecting this updated information on recommended water management strategies in the 2012 State Water Plan from entities interested in applying for SWIFT funding.

We wanted to make you aware of this process should you receive questions from entities in your region. You can reference interested parties to our website at the link below http://www.twdb.texas.gov/financial/programs/SWIFT/index.asp or refer them to your TWDB regional water planning project manager.

If you have any questions, please contact Lann Bookout at 512-936-9439.

Sincerely,

Jeff Walker
Deputy Executive Administrator
Water Supply & Infrastructure

Cc: Mr. Jace Houston, P.O. Box 329, Conroe, Texas 77305-0329

VIA FEDERAL EXPRESS
TRK #7721 4731 3269

Gulf Coast Waste Disposal Authority
910 Bay Area Boulevard • Houston, Texas 77058
Phone: 281.488.4115 • Fax: 281.488.3331 • www.gcwda.com

December 9, 2014

Mr. Mark Evans,
Chair, RHWPG
c/o San Jacinto River Authority
1577 Dam Site Road
Conroe, Texas 77304

This letter is to inform you that Gulf Coast Waste Disposal Authority (GCA) is currently applying to the Texas Water Development Board for a grant to advance regional wastewater treatment and water reuse strategies to support the future needs of the Mont Belvieu service area. The planning area for this feasibility study includes:

- Harris County Precinct 2
- Liberty County Precincts 1 and 4
- Chambers County Precincts 3 and 4
- Mont Belvieu, TX
- Cove, TX
- Old River-Winfree, TX
- Baytown, TX
- Houston-Galveston Area Council
- Region H Water Planning group

In response to the community's rapid growth GCA is collaborating with various partners to evaluate a regional approach that could increase wastewater treatment capacity and existing water supplies to the area. GCA, in partnership with the City of Mont Belvieu and a group of industries with wastewater discharge permits in the Mont Belvieu area, will undertake a feasibility study to evaluate options for building a regional wastewater treatment facility and a water reuse treatment and delivery system.

This feasibility study will identify the manufacturing, environmental, operational, and financial opportunities and constraints associated with a regional wastewater treatment facility and a water reuse treatment and delivery system. This report is necessary for GCA and the Mont Belvieu area partners to more effectively address future water supply and water quality issues through cost effective, sustainable solutions.

Any comments on the proposed planning must be filed with the applicant listed below and the Texas Water Development Board Executive Administrator within 30 days of the date on which this notice was mailed.

Ricky Clifton
General Manager
Gulf Coast Waste Disposal Authority
910 Bay Area Blvd.
Houston, Texas 77058

Kevin Patterson
Texas Water Development Board
Executive Administrator
P.O. Box 13231 (1700 N. Congress Ave.)
Austin, Texas 78711-3231

Sincerely,

Ricky Clifton
General Manager

RC:LT/lb

c: GCA File #2000-03

TEXAS DEPARTMENT OF PUBLIC SAFETY

5805 N LAMAR BLVD • BOX 4087 • AUSTIN, TEXAS 78773-0001
512/424-2000
www.dps.texas.gov

November 10, 2014

Dear Jace Houston,

The Drought Preparedness Council, which is comprised of representatives from 16 state agencies as well as appointees of the governor, would like to offer its assistance on drought-related issues encountered during the planning process. Authorized and established in 1999 as part of the 76th Texas Legislature, the council was created to carry out the provisions of Sections 16.055 and 16.0551 of the state water code. Its responsibilities include the assessment and public reporting of drought monitoring and water supply conditions; advising the governor on significant drought conditions; recommending response plans for drought related disasters; advising regional water planning groups on drought-related issues in the regional water plans; coordinating local, state and federal drought-response planning; and submitting a report to the legislature every odd numbered year.

Council members represent a broad swath of state agencies, including Texas Division of Emergency Management, Texas Water Development Board, Texas Commission on Environmental Quality, Texas Parks and Wildlife Department, Texas Department of Agriculture, Texas AgriLife Extension Service, Texas State Soil and Water Conservation Board, Texas Department of Housing and Community Affairs, Texas Forest Service, Texas Department of Transportation, Texas Department of Economic Development, Office of the State Climatologist, Public Utilities Commission, Electric Reliability Council of Texas and Texas Health and Human Services Commission. Each member brings expertise in his or her field, and the greatest strength of the council lies in its ability to utilize the knowledge and skills of its members for the betterment of Texas. The council includes members of the emergency management community who can guide regional groups in the emergency management process, including how to request resources, and can provide instructions to local emergency management partners.

The council is aware that your regional water planning group has been drafting its 2016 Regional Water Plan, including its drought chapter. Per Title 31 of Texas Administrative Code Section 357.42(h), regional water planning groups may come to the council for "any relevant recommendations from the Drought Preparedness Council." As chairman of the council, I would like to extend the council's assistance on any drought related issues that you may come across while working through the regional water planning process. Additionally, the council and I recommend that regions:

- Follow the outline template for Chapter 7 provided to the regions by Texas Water Development Board staff in February of 2013, making an effort to fully address the assessment of current drought preparations and planned responses, as well as planned responses to local drought conditions or loss of municipal supply. Find this template here: http://www.twdb.texas.gov/waterplanning/rwp/planningdocu/2016/doc/current_docs/project_docs/20130220_ex_outline_ch7.docx
- Evaluate the drought preparedness impacts of unanticipated population growth or industrial growth within the region over the planning horizon.

If you have any questions for the council or would like to attend the Drought Preparedness Council's monthly meetings, please contact Mario Chapa at Mario.Chapa@dps.texas.gov or TDEM.Drought@dps.texas.gov.

Sincerely,

W. Nim Kidd, CEM, TEM
Chief
Texas Division of Emergency Management
Assistant Director
Texas Homeland Security
Texas Department of Public Safety