



MEETING MATERIALS

March 11, 2015

San Jacinto River Authority

Region H Water Planning Group
10:00 AM Wednesday
March 11, 2015
San Jacinto River Authority Office
1577 Dam Site Rd, Conroe, Texas 77304

AGENDA

1. Introductions.
2. Review and approve minutes of November 5, 2014 meeting.
3. Review and approve minutes of February 4, 2015 meeting.
4. **Receive public comments on specific issues related to agenda items 5 through 18.** (Public comments limited to 3 minutes per speaker)
5. Consider authorizing the San Jacinto River Authority to serve as the Political Subdivision for the fifth cycle of regional water planning.
6. Consider authorizing the San Jacinto River Authority to use funds from the Region H Local Contribution Account to pay for public notice activities for the fifth round of regional water planning to be reimbursed by the Texas Water Development Board.
7. Receive update from Consultant Team regarding the schedule and milestones for the development of the 2016 Region H Regional Water Plan.
8. Receive update from Consultant Team and Water Management Strategies Committee regarding status of the identification of potential strategies for the 2016 Region H Regional Water Plan.
9. Receive presentation from the Consultant Team regarding the draft copy of Chapter 5: Water Management Strategies.
10. Receive presentation from the Consultant Team regarding the draft copy of Chapter 5B: Conservation Recommendations.
11. Receive presentation from the Consultant Team regarding the draft copy of Chapter 6: Impacts of the Regional Water Plan.
12. Receive presentation from the Consultant Team regarding the draft copy of Chapter 8: Unique Stream Segments, Reservoir Sites, and Other Recommendations.
13. Receive presentation from the Consultant Team regarding the draft copy of Chapter 9: Reporting of Financing Mechanisms for Water Management Strategies.
14. Receive presentation from the Consultant Team regarding the draft copy of Chapter 10: Adoption of Plan and Public Participation.
15. Receive presentation from the Consultant Team regarding the draft copy of Chapter 11: Implementation and Comparison to Previous Regional Water Plan.
16. Consider and approve the TWDB to conduct an analysis of socioeconomic impacts of unmet water needs in the Region H Water Planning Area.
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: April 1, 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.

MINUTES
REGION H WATER PLANNING GROUP MEETING
NOVEMBER 5, 2014
SAN JACINTO RIVER AUTHORITY
GENERAL AND ADMINISTRATION BUILDING
1577 DAM SITE ROAD
CONROE, TEXAS

MEMBERS PRESENT: David Bailey, John Bartos, John Blount, Jun Chang, David Collinsworth, James Comin, Mark Evans, Gene Fisseler, Bob Hebert, Judge Art Henson, Jace Houston, Robert Istre, Kathy Jones, Carl Masterson, Ronald J. Neighbors, Jimmie Schindewolf, J. Kevin Ward, and Pudge Wilcox.

DESIGNATED ALTERNATES: Lisa Lattu, Paul Nelson, Glenn Lord, Mike Turco, Tom Michel, and Melinda Silva

MEMBERS ABSENT: Robert Bruner, John Howard, Gená Leathers, Marvin Marcell, James Morrison, and William Teer.

NON-VOTING MEMBERS PRESENT: Scott Hall, Temple McKinnon, and Dave Scholler.

PRESIDING: Judge Mark Evans, Chair

CALL TO ORDER

The meeting was called to order at 10:01 a.m., and a quorum was present.

1. INTRODUCTIONS

Mr. Evans welcomed Kathleen Jackson of the Texas Water Development Board as well as alternate voting members present.

2. REVIEW AND APPROVE MINUTES OF AUGUST 6, 2014, MEETING

The minutes for the August 6, 2014, meeting were presented. A motion was made by Mr. Comin, seconded by Mr. Michel, to approve the minutes. The motion carried unanimously.

3. RECEIVE PUBLIC COMMENTS ON SPECIFIC ISSUES RELATED TO AGENDA ITEMS 4 THROUGH 17

Jill Savory commented on items 14 and 15, stating that she attended the water loss conference presented by Texas A&M. She spoke in regards to the measurement of water and thanked the Texas Water Development Board for standardization of measuring water usage in gallons versus acre feet.

4. RECOGNIZE AND WELCOME KATHLEEN JACKSON, MEMBER OF THE TEXAS WATER DEVELOPMENT BOARD

Chairman Evans welcomed Ms. Kathleen Jackson, Texas Water Development Board (TWDB). She introduced James Bronikowski and Jennifer White from TWDB. Ms. Jackson reviewed the internal changes that will make processes more efficient for communities to apply for TWDB grants.

5. CONSIDER AND TAKE ACTION ON THE RESIGNATION OF GENÁ LEATHERS AS A VOTING MEMBER OF THE REGION H WPG REPRESENTING INDUSTRIES

Mr. Henson made a motion to accept the resignation of Gená Leathers as a voting member of the Region H WPG representing industries. The motion was seconded by Mr. Blount with all present voting aye.

6. CONSIDER AND TAKE ACTION ON THE SELECTION OF GLENN LORD AS A VOTING MEMBER OF THE REGION H WPG REPRESENTING INDUSTRIES

Mr. Hebert made a motion to accept the recommendation of Glenn Lord as a voting member of the Region H WPG representing industries. The motion was seconded by Mr. Fisseler with all present voting aye.

7. RECEIVE PRESENTATION ON AND DISCUSS PROPOSAL TO AMEND THE 2011 REGION H WATER PLAN TO INCLUDE WATER MANAGEMENT STRATEGIES RELATED TO BRACKISH GROUNDWATER DEVELOPMENT AND EXPANSION OF SURFACE WATER TREATMENT INFRASTRUCTURE BY BRAZOSPORT WATER AUTHORITY

Jason Afinowicz, consultant with Freese and Nichols, presented information related to the draft amendment package that was submitted to the Texas Water Development Board. He went on to explain the process by which the amendment would be submitted to the Texas Water Development Board. Mr. Afinowicz then explained that Brazosport Water Authority has a fundamental purpose for developing resources. He stated that the conventional water plant expansion will serve existing service areas such as Angleton, Brazoria and Clute Counties.

8. CONSIDER ACTION TO AMEND THE 2011 REGION H REGIONAL WATER PLAN TO INCLUDE WATER MANAGEMENT STRATEGIES RELATED TO BRACKISH GROUNDWATER DEVELOPMENT AND EXPANSION OF SURFACE WATER TREATMENT INFRASTRUCTURE BY BRAZOSPORT WATER AUTHORITY

Chairman Evans opened the public hearing at 10:37 a.m. Ms. Jill Savory commented on the environmental impacts and cost to the public. She then inquired if all information was posted on the website.

With no further comments, the public hearing was closed at 10:39 a.m.

Mr. Herbert made a motion to amend the 2011 Region H Water Plan to include water management strategies related to brackish groundwater development and expansion of surface water treatment infrastructure by Brazosport Water Authority. Mr. Houston seconded the motion and carried unanimously.

9. RECEIVE PRESENTATION FROM JEFF TAEBEL ON THE HOUSTON-GALVESTON AREA COUNCIL 2040 REGIONAL PLAN

Mr. Taebel of the Houston-Galveston Area Council presented information regarding the Houston-Galveston Area Council 2040 Regional Plan. He discussed the long range plans for thirteen regions. He stated that the overall goal is to ensure the region's prosperity.

10. RECEIVE PRESENTATION FROM CONSULTANT TEAM REGARDING STATUS OF THE PROPOSED APPLICATION BY DOW CHEMICAL COMPANY TO AMEND THE 2011 REGION H REGIONAL WATER PLAN

Mr. Afinowicz stated that the amendment package was presented to the Texas Water Development Board for determination, reminding the group that the proposed application is related to the expansion of existing off-channel reservoir and pump station infrastructure by Dow Chemical.

11. RECEIVE PRESENTATION FROM CONSULTANT TEAM REGARDING THE PROPOSED APPLICATION BY GULF COAST WATER AUTHORITY TO AMEND THE 2011 REGION H REGIONAL WATER PLAN AND CONSIDER APPROVING THE SUBMITTAL OF THE APPLICATION PACKAGE TO TWDB FOR THE DETERMINATION OF MINOR AMENDMENT STATUS

Mr. Afinowicz presented information regarding the proposed application by Gulf Coast Water Authority stating that the Texas Water Development Board will determine if the request is a major or minor amendment. This amendment will account for the addition of a reclaimed water supply for use by the customers of the Gulf Coast Water Authority. After further discussion, Mr. Fisseler made a motion to approve the submittal of the application package to the Texas Water Development Board for the determination of minor amendment status. The motion was seconded by Mr. Blount with all present voting aye.

12. RECEIVE UPDATE FROM CONSULTANT TEAM REGARDING THE SCHEDULE AND MILESTONES FOR THE DEVELOPMENT OF THE 2016 REGION H REGIONAL WATER PLAN

Mr. Afinowicz spoke about the schedule and milestones for the development of the 2016 schedule including the tentative meeting scheduled for February to discuss legislative recommendations.

13. RECEIVE PRESENTATION FROM THE CONSULTANT TEAM REGARDING THE DRAFT COPY OF CHAPTER 4: DESCRIPTION OF REGION FOR INCLUSION IN THE 2016 REGION H REGIONAL WATER PLAN

Mr. Afinowicz presented information regarding Chapter 4, Analysis of Needs, requesting comments to the chapter; the possibility of changes to the introduction, methodologies, needs, strategies, etc.

14. RECEIVE PRESENTATION FROM THE CONSULTANT TEAM REGARDING THE DRAFT COPY OF CHAPTER 7: PROJECTED POPULATION AND WATER DEMANDS FOR INCLUSION IN THE 2016 REGION H REGIONAL WATER PLAN

Mr. Afinowicz presented information regarding Chapter 7, Drought Response, stating no action was needed today, but discussed how drought responses have created a greater focus on droughts of record and existing drought contingency plans which has been compiled into a summary reviewing triggers, etc.

15. 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

Mr. Hebert stated that the Water Management Strategies Committee met on September 15, 2014, and discussed issues relayed in a letter to the Texas Water Development Board. Temple McKinnon, Texas Water Development Board stated that plans cannot be in violation of the TWDB rules and stated that a response letter would be sent in the near future. Mr. Hebert explained that the Committee is working on gathering information regarding conservation, groundwater expansion, and other water management strategies.

16. RECEIVE REPORT REGARDING RECENT AND UPCOMING ACTIVITIES RELATED TO COMMUNICATIONS AND OUTREACH EFFORTS ON BEHALF OF THE REGION H PLANNING GROUP

Mr. Afinowicz stated that he will be presenting to the Houston-Galveston Area Council regarding water rights and reuse, and Chairman Evans stated he will be speaking to the North Houston Association Environmental Committee.

17. AGENCY COMMUNICATIONS AND GENERAL INFORMATION

Temple McKinnon stated that a minor amendment would be considered at December 11, 2014, meeting; Ms. Jackson commented on SWIFT rules; also mentioned was the extended deadline for the contract amendment, and Ms. Jackson was thanked for her attendance.

18. RECEIVE PUBLIC COMMENTS

Mr. Ken Kramer spoke of upcoming participation efforts regarding groundwater legislation. Ms. Savory asked that her previous comments be changed from item 14 to item 13. She also

spoke in regards to the creation of uniform standard models, and reminded everyone to utilize 8-1-1 for pipeline identification before digging.

19. NEXT MEETING: DOW PLAN AMENDMENT HEARING – DECEMBER 10, 2014, 2:00 P.M., REGULAR MEETING – FEBRUARY 4, 2015

Mr. Houston announced that the primary purpose of the public hearing is to receive comments from the public with regard to the Dow Plan Amendment.

20. ADJOURN

Without objection, the meeting was adjourned at 11:49 a.m.

Agenda Item 3

Review and approve minutes of February 4th, 2014 meeting.

MINUTES
REGION H WATER PLANNING GROUP
FEBRUARY 4, 2015
SAN JACINTO RIVER AUTHORITY
GENERAL AND ADMINISTRATION BUILDING
1577 DAM SITE ROAD
CONROE, TEXAS

MEMBERS PRESENT: David Bailey, John Bartos, John Blount, Jun Chang, David Collinsworth, Mark Evans, Gene Fisseler, Bob Hebert, Jace Houston, Robert Istre, Kathy Jones, Glenn Lord, Ronald Neighbors, Jimmie Schindewolf, William Teer, and Pudge Wilcox.

DESIGNATED ALTERNATES: Lann Bookout for Temple McKinnon, Ken Kramer for Carl Masterson, Judge Danny Pierce for Robert Bruner, Abby Paben for John Howard, Jim Sims for J. Kevin Ward, and Michael Turco for Marvin Marcell.

MEMBERS ABSENT: Robert Bruner, James Comin, Judge Art Henson, Marvin Marcell, Carl Masterson, James Morrison, and J. Kevin Ward.

NON-VOTING MEMBERS PRESENT: Jennifer Bailey and Kristin Lambrecht.

CALL TO ORDER

The meeting was called to order at 10:05 a.m.

1. INTRODUCTIONS

Mr. Evans announced the alternate members present.

2. REVIEW AND APPROVE MINUTES OF NOVEMBER 5, 2014

No action was taken on this item.

3. RECEIVE PUBLIC COMMENTS ON SPECIFIC ISSUES RELATED TO AGENDA ITEMS 4 THROUGH 18

There were no comments.

4. RECEIVE PRESENTATION AND DISCUSS PROPOSAL TO AMEND THE 2011 REGION H WATER PLAN RELATED TO PROPOSED EXPANSION OF AN OFF-CHANNEL RESERVOIR AND PUMP STATION BY DOW CHEMICAL COMPANY

Jason Afinowicz provided an update regarding the proposed amendment to the 2011 Region H Water Plan stating that a public hearing took place on December 10, 2014, with comment period through January 12, 2015. He stated that no comments have been received.

5. CONSIDER ACTION TO AMEND THE 2011 REGION H WATER PLAN TO REVISE WATER MANAGEMENT STRATEGIES RELATED TO PROPOSED EXPANSION OF AN OFF-CHANNEL RESERVOIR AND PUMP STATION BY DOW CHEMICAL COMPANY

Mr. Houston made a motion to amend the 2011 Region H Water Plan to revise Water Management Strategies related to proposed expansion of an off-channel reservoir and pump station by Dow Chemical Company. The motion was seconded by Mr. Sims and carried unanimously.

6. RECEIVE PRESENTATION AND DISCUSS PROPOSAL TO AMEND THE 2011 REGION H WATER PLAN RELATED TO PROPOSED DEVELOPMENT OF A SYSTEM BY GULF COAST WATER AUTHORITY TO UTILIZE RECLAIMED WASTEWATER EFFLUENTS FROM THE CITY OF HOUSTON

Mr. Afinowicz explained that upon submittal to the Texas Water Development Board, this amendment was considered to be a minor amendment by TWDB. He went on to say that it did not require a public hearing, however it did require a fourteen day comment period prior to this meeting.

7. CONSIDER ACTION TO AMEND THE 2011 REGION H 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

Mr. Afinowicz overviewed the proposed amendment. After further discussion, Mr. Blount moved approval to amend the 2011 Region H 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. The motion was seconded by Mr. Kramer and passed unanimously.

Mr. Houston requested that item nos. 8 and 9 be considered together.

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 EXPENSES

Mr. Houston explained that a single audit occurred in conjunction with the comprehensive annual financial report of the San Jacinto River Authority because of the amount of funds expended by Region H within the year. He stated that the audit resulted in a good report by the auditor.

9. CONSIDER AUTHORIZING THE SAN JACINTO RIVER AUTHORITY TO USE FUNDS FROM THE REGION H LOCAL CONTRIBUTION ACCOUNT TO PAY FOR RENEWAL OF DIRECTOR AND OFFICERS LIABILITY INSURANCE FOR REGION H PLANNING GROUP MEMBERS

Mr. Houston explained that this is an annual renewal for the Region H Planning Group members. After little discussion, Mr. Hebert made a motion to authorize the San Jacinto River Authority to use funds from the Region H Local Contribution account to pay for the single audit report on 2015 Region H expenses in the amount of \$4,750 and to authorize the San Jacinto River Authority to use funds from the Region H Local Contribution account to pay for renewal of Director and Officers liability insurance for Region H Planning Group in the amount of \$1,411. The motion was seconded by Mr. Bartos and carried unanimously.

10. RECEIVE UPDATE FROM CONSULTANT TEAM REGARDING THE SCHEDULE AND MILESTONES FOR THE DEVELOPMENT OF THE 2016 REGION H WATER PLAN

Mr. Afinowicz gave an overview of the upcoming schedule for the 2016 Region H Water Plan related to WMS data collection, Region H database development, Water Management Strategies documentation, chapter development, and GIS development. He stated that a substantial amount of work still needs to occur. Mr. Evans explained that the next scheduled meeting on March 4, 2015, would be difficult for most members to attend. After further discussion, it was determined that the next scheduled meeting would be on March 11, 2015.

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 WATER PLAN

Mr. Afinowicz reviewed WMS's ongoing activities related to groundwater availability disparity, application of WMS, and modeled available groundwater (MAGs). He briefly explained the letters received by TWDB in September and in November, stating that they will continue to work with and support groundwater management area 14, to develop desired future conditions that the groundwater districts in groundwater management area 14 consider most appropriate for all purposes, including regional water planning.

12. RECEIVE PRESENTATION FROM CONSULTANT TEAM ON THE STATUS OF ECOLOGICALLY UNIQUE STREAM SEGMENTS, UNIQUE RESERVOIR SITES, AND LEGISLATIVE RECOMMENDATIONS

Mr. Afinowicz explained that Chapter 8 relates to unique stream segments, unique reservoir sites and legislative recommendations. He went on to recommend that Allens Creek Reservoir and Little River Off-Channel Reservoir be retained in the 2011 WMS sites. Mr. Afinowicz stated that these recommendations will be incorporated into Chapter 8 and will be available for review in March.

13. RECEIVE PRESENTATION FROM CONSULTANT TEAM ON RECOMMENDATIONS FOR THE SCHEDULE OF PUBLIC MEETINGS FOR PRESENTATION OF THE INITIALLY PREPARED PLAN

Mr. Afinowicz explained that the Initially Prepared Plan is slated to be finalized on December 1, 2015. He stated that one public hearing is required, however they usually have it in three different locations to accommodate participation within Region H. Mr. Afinowicz went on to overview the comment period schedule and due dates for the Initially Prepared Plan.

14. CONSIDER AND TAKE ACTION ON APPROVAL OF PUBLIC MEETING SCHEDULE FOR PRESENTATION OF THE INITIALLY PREPARED PLAN

It was stated that three meeting locations is preferable to ensure participation throughout Region H. After further discussion, Ms. Turner made a motion to schedule the public hearings in three different locations the last part of June with one public hearing to take place in conjunction with the Region H WPG meeting on July 1, with WPG meetings to also take place on March 11, 2015, April 1, 2015, July 1, 2015, October 7, 2015, and November 4, 2015. The motion was seconded by Mr. Lord and carried unanimously.

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 REGIONAL WATER PLANNING FOR REGION H

Mr. Afinowicz overviewed the process for and preparation of an application for Regional Water Planning Grant from the Texas Water Development Board for funding the fifth round Regional Water Planning for Region H. He stated that the application is due on March 3, 2015, which includes a detailed scope of work, a schedule, and proof of notification. Mr. Afinowicz then discussed timing and logistics related to public notice for the next phase of funding.

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

Mr. Afinowicz overviewed the necessity for the public notice and grant application submittal to TWDB for the fifth round of Regional Water Planning. Mr. Houston requested that Freese & Nichols prepare the application although not in their scope of work, however it would be reimbursed. It was discussed that a re-procurement process be implemented each cycle in order to fulfill the requirements of TWDB. After further discussion, Mr. Neighbors made a motion 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. The motion was seconded by Mr. Hebert and carried unanimously.

17. RECEIVE REPORT REGARDING RECENT AND UPCOMING ACTIVITIES RELATED TO COMMUNICATIONS AND OUTREACH EFFORTS ON BEHALF OF THE REGION H PLANNING GROUP

Mr. Afinowicz reported that Mr. Evans delivered a presentation to the North Houston Association and Lone Star's Water Efficiency Network.

18. AGENCY COMMUNICATIONS AND GENERAL INFORMATION

Mr. Bookout stated that he brought a one-page fact sheet related to State Water Implementation Fund for Texas (SWIFT) at Mr. Kramer's request.

19. RECEIVE PUBLIC COMMENTS

There were no comments.

20. NEXT MEETING

The next meeting will be on March 11, 2015, at San Jacinto River Authority

21. ADJOURN

Without objection, the meeting was adjourned at 11:35 a.m.

Agenda Item 5

Consider authorizing the San Jacinto River Authority to serve as the Political Subdivision for the fifth cycle of regional water planning.

Agenda Item 5
Political Subdivision

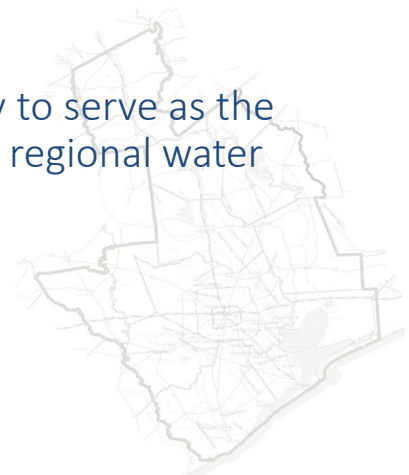
Consider authorizing the San Jacinto River Authority to serve as the Political Subdivision for the fifth cycle of regional water planning.



Agenda Item 5
Political Subdivision

Action:

Authorize the San Jacinto River Authority to serve as the Political Subdivision for the fifth cycle of regional water planning.

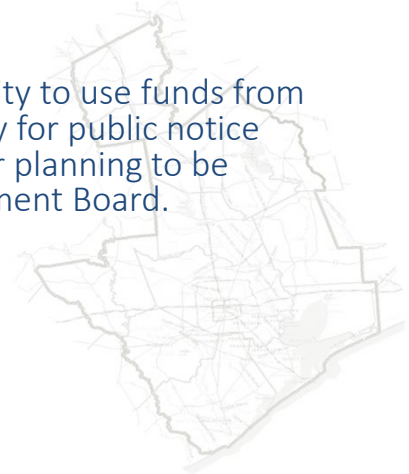


Agenda Item 6

Consider authorizing the San Jacinto River Authority to use funds from the Region H Local Contribution Account to pay for public notice activities for the fifth round of regional water planning to be reimbursed by the Texas Water Development Board.

Agenda Item 6 Fifth Round Notice

Consider authorizing the San Jacinto River Authority to use funds from the Region H Local Contribution Account to pay for public notice activities for the fifth round of regional water planning to be reimbursed by the Texas Water Development Board.



Agenda Item 6 Fifth Round Notice

Action:

Authorize the San Jacinto River Authority to use funds from the Region H Local Contribution Account to pay for public notice activities for the fifth round of regional water planning to be reimbursed by the Texas Water Development Board.



Agenda Item 7

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

Agenda Item 7 Schedule and Milestones

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



Agenda Item 7 Schedule and Milestones

Date	Scheduled Events/Tasks
02/04/2015	RWPG Meeting
03/11/2015	RWPG Meeting: Review Chapters 5, 6, 8, 9, 10, and 11
04/01/2015	RWPG Meeting: Review / Approve Initially Prepared Plan
05/01/2015	DUE DATE: Initially Prepared Plan to TWDB
<i>PUBLIC PROCESS</i>	
07/01/2015	RWPG Meeting: Conclude public hearings on IPP
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 7 Schedule and Milestones

- Today's activities
 - Review Water Management Strategy approach
 - Introduce remaining Plan chapters

- For next meeting (04/01)
 - Review Initially Prepared Plan
 - Provide comment
 - Prepare to approve with any appropriate comments

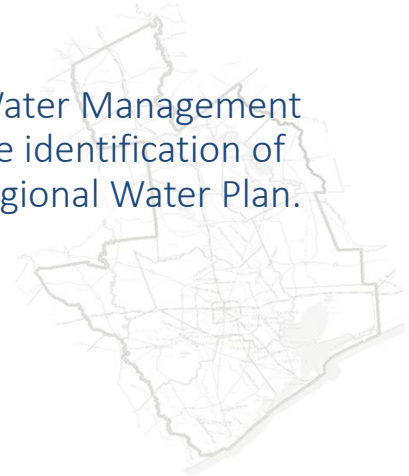


Agenda Item 8

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

Agenda Item 8 WMS Committee

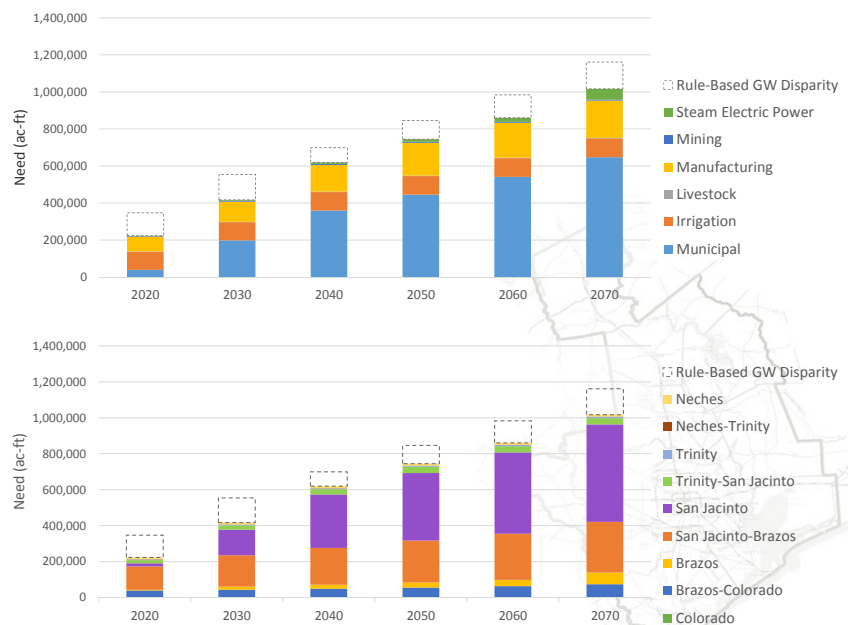
Receive update from Consultant Team and Water Management Strategies Committee regarding status of the identification of potential strategies for the 2016 Region H Regional Water Plan.



Agenda Item 8 WMS Committee

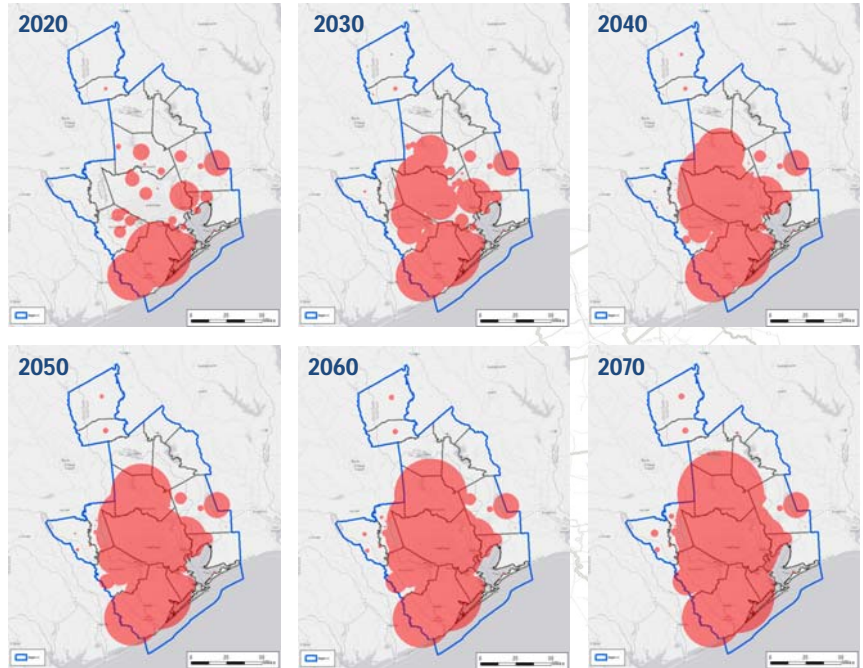
Initial Needs

- Needs, not contracts
- Include needs due to Rule-Based Groundwater Disparity
- 2011 RWP
 - 290,908 (2010)
 - 1,236,335 (2060)



Agenda Item 8 WMS Committee

- Location of Needs
 - Do not include Rule-Based Groundwater Disparity
 - Impacts core area in early decades
 - Later decade needs driven by overall demand growth

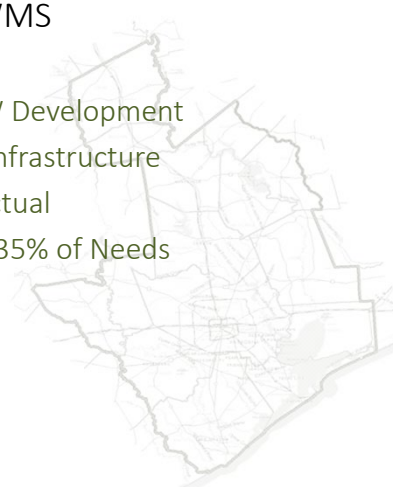


Agenda Item 8 WMS Committee

■ Approach to Meeting Needs

- General WMS
 - Conservation
 - Industrial
 - Irrigation
 - Municipal
 - Advanced
 - Water Loss Reduction
 - Expanded Groundwater
 - Expand/Increase Contracts
 - Meet ~25% of Needs

- Known WMS
 - GRPs
 - GW/SW Development
 - Other Infrastructure
 - Contractual
 - Meet ~35% of Needs



Agenda Item 8 WMS Committee

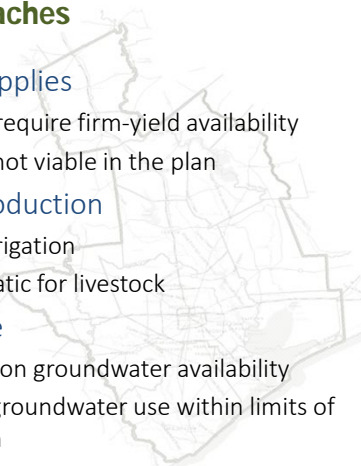
Needs Associated with Agriculture (Irrigation and Livestock)

Issues

- Cost of water
- Ability to enter into long-term contracts
- Need for firm-yield supply

Real-World Approaches

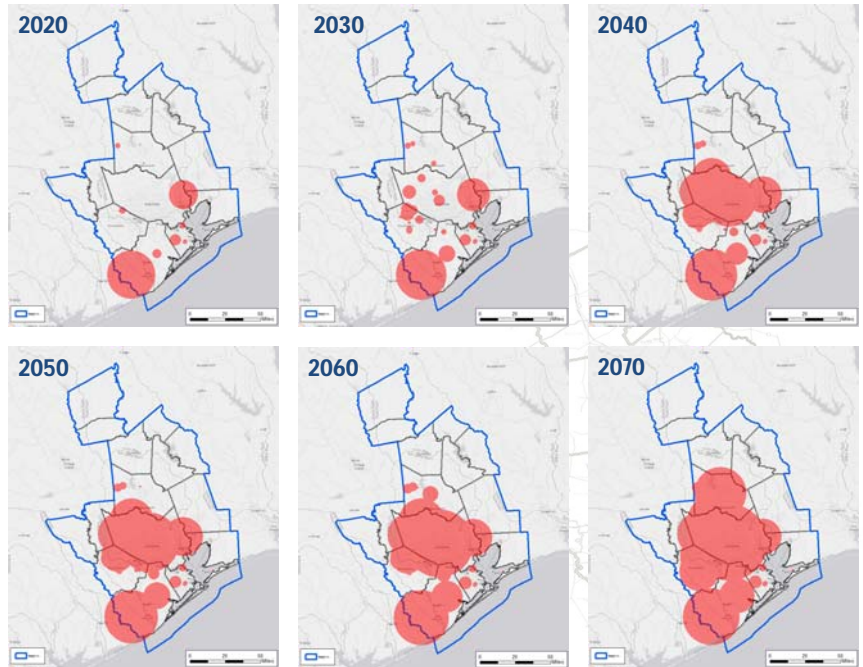
- Interruptible Supplies
 - Planning rules require firm-yield availability
 - Local supplies not viable in the plan
- Refrain from Production
 - Common for irrigation
 - More problematic for livestock
- Conjunctive Use
 - Planning limits on groundwater availability
 - May allow for groundwater use within limits of local regulation



Agenda Item 8 WMS Committee

Remaining Needs

- Western Basins
 - Brazoria, Brazos-Colorado
 - Fort Bend
 - Brazoria
- Eastern Basins
 - Harris
 - Montgomery



Agenda Item 8 WMS Committee

- Additional Major Projects

Name	Project Yield (Ac-Ft/Yr)						Primary Sponsor(s)
	2020	2030	2040	2050	2060	2070	
Allens Creek	99,650	99,650	99,650	99,650	99,650	99,650	COH/BRA
BRA System Operation	25,400	25,400	25,400	25,400	25,400	25,400	BRA
COH Reuse	0	0	158,227	170,469	183,512	197,467	COH
East Texas	0	0	250,000	250,000	250,000	250,000	COH
Freeport Desalination	0	0	11,200	11,200	11,200	11,200	BRA
GCWA Reuse from COH	56,896	56,896	56,896	56,896	56,896	56,896	COH/GCWA
Regional Return Flows	80,289	92,132	104,748	119,060	136,618	157,156	COH/SJRA/NHCRWA
TRA to Houston	150,000	150,000	150,000	150,000	150,000	150,000	TRA/COH

Agenda Item 9

Receive presentation from the Consultant Team regarding the draft copy of Chapter 5: Water Management Strategies.

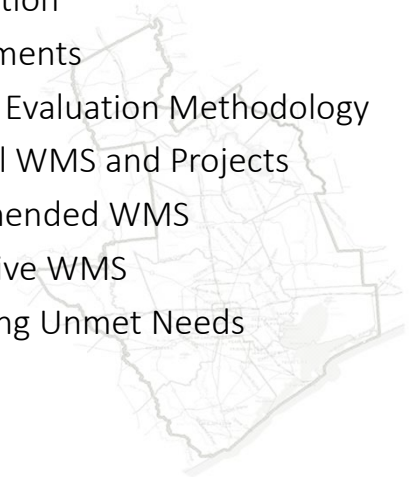
Agenda Item 9 Chapter 5: WMS

Receive presentation from the Consultant Team regarding the draft copy of Chapter 5: Water Management Strategies.



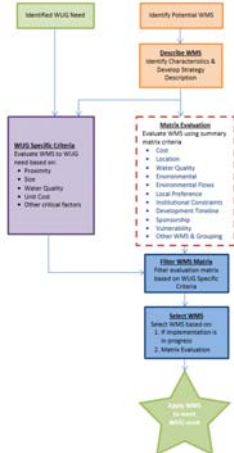
Agenda Item 9 Chapter 5: WMS

- DRAFT document
- No action today
- Open for comment
- Outline
 - Introduction
 - Requirements
 - Strategy Evaluation Methodology
 - Potential WMS and Projects
 - Recommended WMS
 - Alternative WMS
 - Remaining Unmet Needs



Agenda Item 9 Chapter 5: WMS

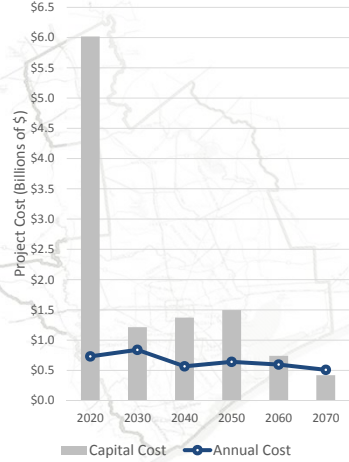
Evaluation Methodology



WMS vs Key Projects

Water Management Strategy	WMS Project Name
Additional Supply From BRA	Allens Creek Reservoir
Additional Supply From CWA	GCWA Reclaimed Water from COH
Brazos Saltwater Barrier	Brazos Saltwater Barrier
CHCRWA GRP	CHCRWA GRP
	CHCRWA Transmission and Distribution Expansion
	COH Northeast Water Purification Plant Expansion
	COH/NHCRWA/CHCRWA Second Source Pipeline
	Luce Bayou Transfer
City Of Houston GRP	Regional Return Flows
	City of Houston GRP
	City of Houston Treatment Expansion
	COH Northeast Water Purification Plant Expansion
	COH/NHCRWA/CHCRWA Second Source Pipeline
City Of Pearland Reuse	Luce Bayou Transfer
	Regional Return Flows
	TRA to COH Transfer
COH Reuse	City of Pearland Reuse
	City of Houston Reuse
	City of Houston Treatment Expansion
COH To SIRA Contractual Transfer	COH Northeast Water Purification Plant Expansion
	COH to SIRA Contractual Transfer
	Lake Livingston to SIRA Transfer
Conroe Brackish Groundwater Desalination	SIRA GRP
	TRA to COH Transfer
	Conroe Brackish Reverse Osmosis

Capital and Annual Costs



Agenda Item 10

Receive presentation from the Consultant Team regarding the draft copy of Chapter 5B: Conservation Recommendations.

Agenda Item 10

Chapter 5B: Conservation Recommendations

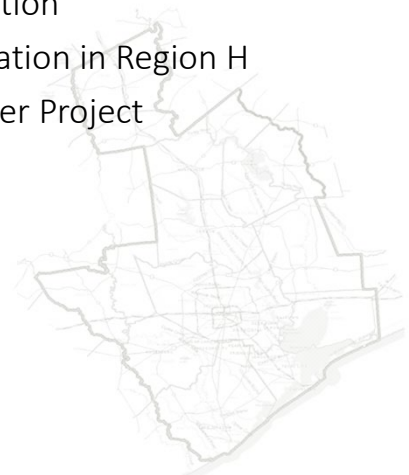
Receive presentation from the Consultant Team regarding the draft copy of Chapter 5B: Conservation Recommendations.



Agenda Item 10

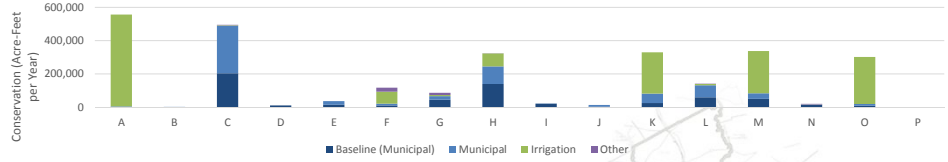
Chapter 5B: Conservation Recommendations

- DRAFT document
- No action today
- Open for comment
- Outline
 - Introduction
 - Conservation in Region H
 - Goldwater Project

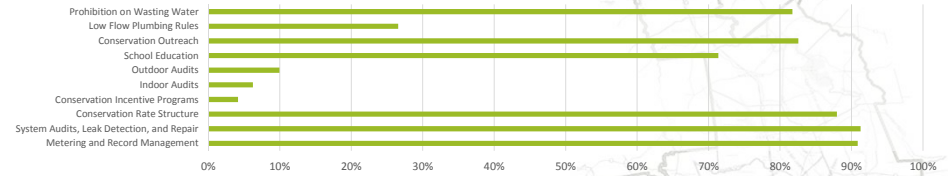


Agenda Item 10 Chapter 5B: Conservation Recommendations

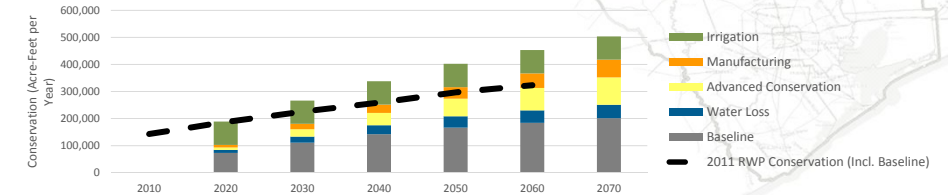
- Past Plan



- Regional Approach



- Current Plan

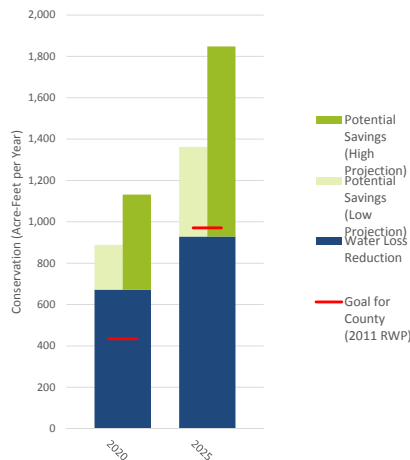


Agenda Item 10 Chapter 5B: Conservation Recommendations

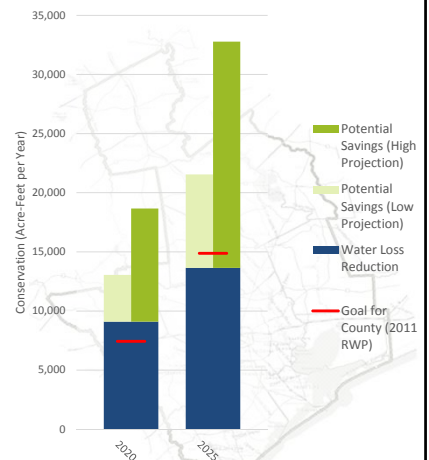
- Goldwater

- Project approach
- Project status
- County outlooks
- Individual system report

Brazoria County



Harris County



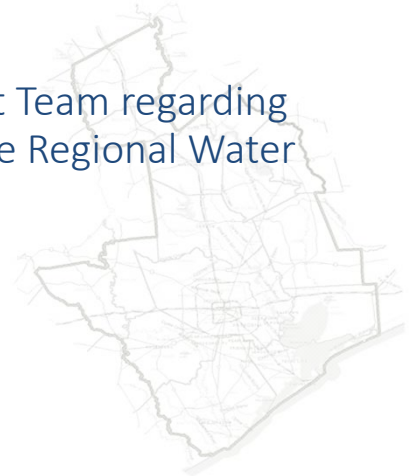
Agenda Item 11

Receive presentation from the Consultant Team regarding the draft copy of Chapter 6: Impacts of the Regional Water Plan.

Agenda Item 11

Chapter 6: Impacts

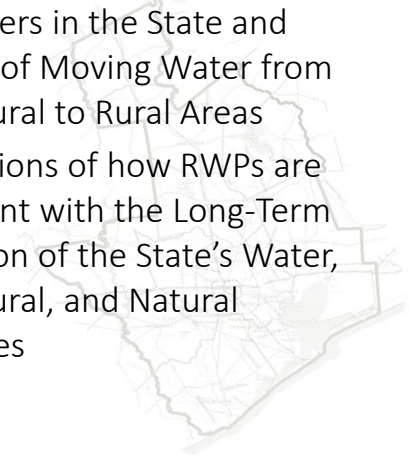
Receive presentation from the Consultant Team regarding the draft copy of Chapter 6: Impacts of the Regional Water Plan.



Agenda Item 11

Chapter 6: Impacts

- DRAFT document
- No action today
- Open for comment
- Outline
 - Impacts on Key Water Quality Parameters in the State and Impacts of Moving Water from Agricultural to Rural Areas
 - Descriptions of how RWPs are Consistent with the Long-Term Protection of the State's Water, Agricultural, and Natural Resources



Agenda Item 11

Chapter 6: Impacts

- Focuses on key strategies and projects
- Potential water quality impacts
- Summary of water resources
- Threatened and endangered species
- Impacts to Unique Stream Segments
- Freshwater inflows



Agenda Item 12

Receive presentation from the Consultant Team regarding the draft copy of Chapter 8: Unique Stream Segments, Reservoir Sites, and Other Recommendations.

Agenda Item 12

Chapter 8: Recommendations

Receive presentation from the Consultant Team regarding the draft copy of Chapter 8: Unique Stream Segments, Reservoir Sites, and Other Recommendations.



Agenda Item 12

Chapter 8: Recommendations

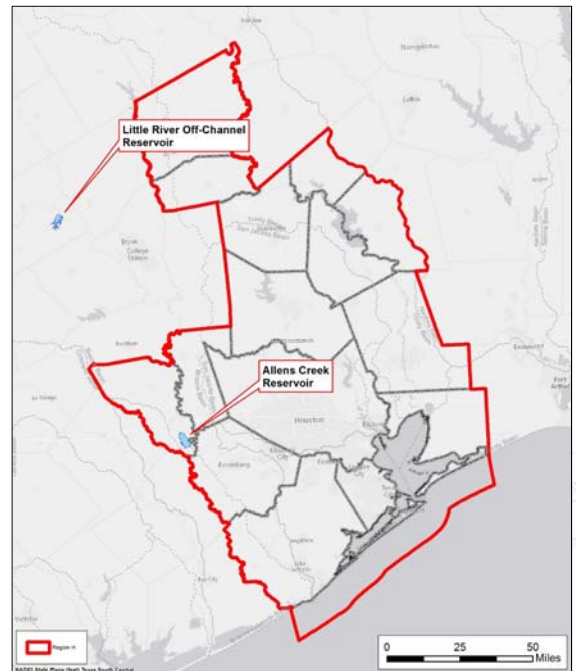
- DRAFT document
- No action today
- Open for comment
- Outline
 - Introduction
 - Unique Stream Segments
 - Unique Reservoir Sites
 - Other Regulatory, Administrative , and Legislative Recommendations



Agenda Item 12

Chapter 8: Recommendations

- Unique Reservoir Sites
 - Allens Creek Reservoir
 - Little-River Off-Channel



Agenda Item 13

Receive presentation from the Consultant Team regarding the draft copy of Chapter 9: Reporting of Financing Mechanisms for Water Management Strategies.

Agenda Item 13

Chapter 9: Financing

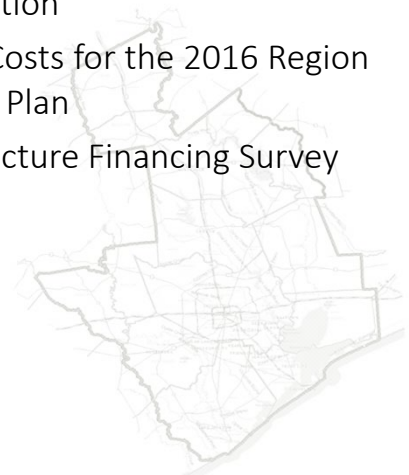
Receive presentation from the Consultant Team regarding the draft copy of Chapter 9: Reporting of Financing Mechanisms for Water Management Strategies.



Agenda Item 13

Chapter 9: Financing

- DRAFT document
- No action today
- Open for comment
- Outline
 - Introduction
 - Capital Costs for the 2016 Region H Water Plan
 - Infrastructure Financing Survey



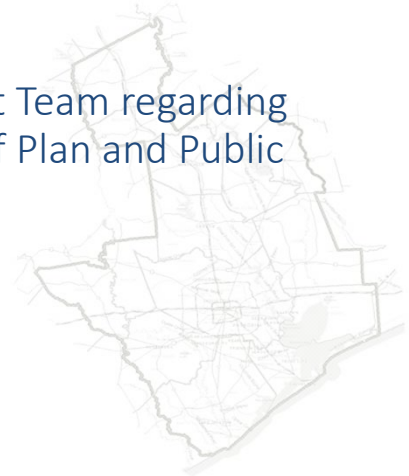
Agenda Item 14

Receive presentation from the Consultant Team regarding the draft copy of Chapter 10: Adoption of Plan and Public Participation.

Agenda Item 14

Chapter 10: Adoption

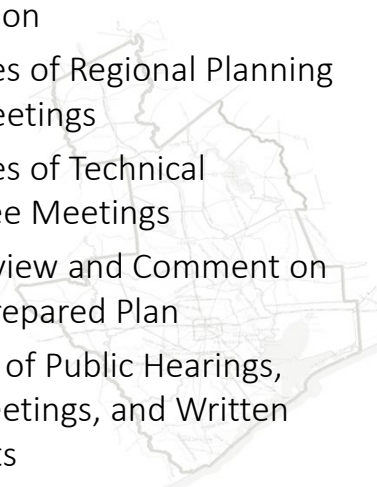
Receive presentation from the Consultant Team regarding the draft copy of Chapter 10: Adoption of Plan and Public Participation.



Agenda Item 14

Chapter 10: Adoption

- DRAFT document
- No action today
- Open for comment
- Outline
 - Introduction
 - Summaries of Regional Planning Group Meetings
 - Summaries of Technical Committee Meetings
 - Public Review and Comment on Initially Prepared Plan
 - Summary of Public Hearings, Public Meetings, and Written Comments

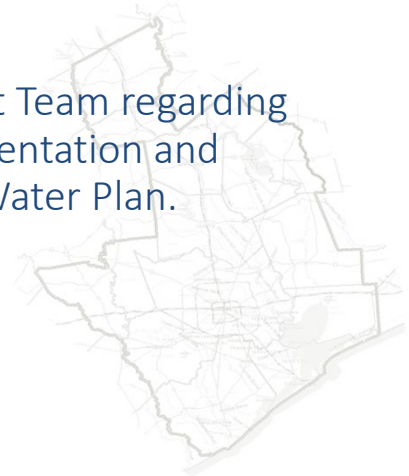


Agenda Item 15

Receive presentation from the Consultant Team regarding the draft copy of Chapter 11: Implementation and Comparison to Previous Regional Water Plan.

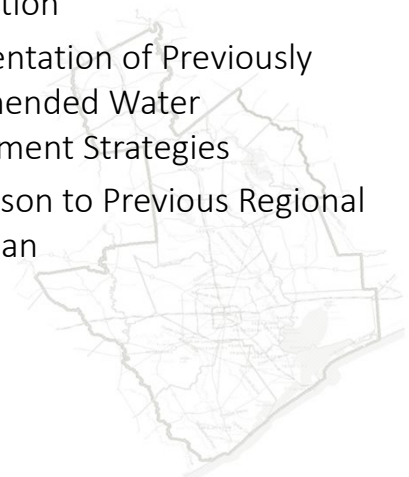
Agenda Item 15 Chapter 11

Receive presentation from the Consultant Team regarding the draft copy of Chapter 11: Implementation and Comparison to Previous Regional Water Plan.



Agenda Item 15 Chapter 11

- DRAFT document
- No action today
- Open for comment
- Outline
 - Introduction
 - Implementation of Previously Recommended Water Management Strategies
 - Comparison to Previous Regional Water Plan



Agenda Item 16

Consider and approve the TWDB to conduct an analysis of socioeconomic impacts of unmet water needs in the Region H Water Planning Area.

Agenda Item 16

Socioeconomic Impacts

Consider and approve the TWDB to conduct an analysis of socioeconomic impacts of unmet water needs in the Region H Water Planning Area.



Agenda Item 16

Socioeconomic Impacts

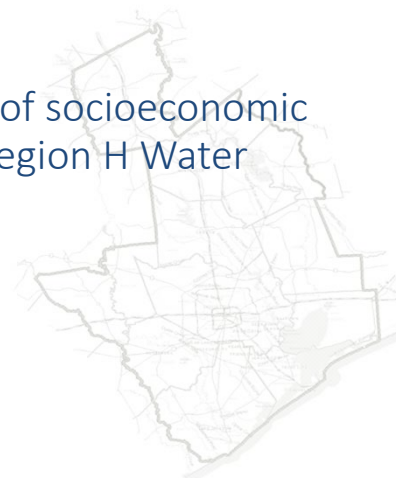
- RWP requires socioeconomic report of the impact of unmet needs
 - Chapter 5 and 6 deliverables
- TWDB may develop
 - Sales, income, and tax revenue
 - Jobs
 - Population
 - School enrollment
 - Region H has utilized TWDB report in the past
- Requires request by RWPG



Agenda Item 16 Socioeconomic Impacts

Action:

Approve the TWDB to conduct an analysis of socioeconomic impacts of unmet water needs in the Region H Water Planning Area.



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 Communications and 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 Communications and Outreach

- H-GAC Natural Resources Advisory Committee
February 5
- Texas Chemical Council Water Committee
February 19
- Lone Star GCD Planning Workshop
March 2



