

# Contents

**Chapter 2 – Presentation of Population and Water Demands .....2-1**

- 2.1 Introduction.....2-1
  - 2.1.1 Scope of Work.....2-1
  - 2.1.2 Background.....2-1
- 2.2 Methodology.....2-1
  - 2.2.1 General.....2-1
  - 2.2.2 TWDB Guidelines for Revisions to Population and Water Demand Projections ...2-3
    - 2.2.2.1 Population Projections .....2-3
    - 2.2.2.2 Municipal Water Use.....2-4
    - 2.2.2.3 Industrial Water Use .....2-6
  - 2.2.3 County Population Projections.....2-6
  - 2.2.4 Sub-County Population Projections .....2-8
  - 2.2.5 WUG Population and Demand Projections Survey .....2-9
  - 2.2.6 Municipal Water Demand Projection Methodology .....2-11
  - 2.2.7 Steam Electric Power Generation Water Demand Projection Methodology.....2-11
  - 2.2.8 Other Water Demand Projection Methodology .....2-12
  - 2.2.9 TWDB Approval of Revised Population and Demand Projections.....2-14
  - 2.2.10 Region H Resolution on Fort Bend County.....2-14
- 2.3 Regional Summary of Population and Water Demand Projections .....2-15
  - 2.3.1 Regional Summary of Projections by Category .....2-17
  - 2.3.2 County Summary of Projections .....2-17

**List of Tables**

- Table 2-1 Projection Error
- Table 2-2 New WUG Population Projections
- Figure 2-3 Comparison of Population Projections for Fort Bend County
- Figure 2-4 Alternative Population Projections for Fort Bend County
- Table 2-3 TWDB Alternative Population
- Table 2-4 Population by City, Collective Reporting Unit, Individual Retail Public Utility, and Rural County
- Table 2-5 Water Demand by City and Category
- Table 2-6 Year 2010 Water Demand by Wholesale Water Provider of All Water Use Categories
- Table 2-7 Comparison Between 2006 RWP and 2011 RWP

**List of Figures**

- Figure 2-1 Steam Electric Demand Projection Comparison
- Figure 2-2 Steam Electric Demand Projection Comparison by County
- Figure 2-3 Comparison of Population Projections for Fort Bend County
- Figure 2-4 Alternative Population Projections for Fort Bend County
- Figure 2-5 Water Demand by Decade
- Figure 2-6 Comparison of Water Demand Estimates
- Figure 2-7 Comparison of County Water Demand Estimates

**List of Appendices**

- Appendix 2A Sample WUG Survey Letter
- Appendix 2B Resolution by the Region H Regional Water Planning Group Regarding Population Projections for the 2011 Regional Water Planning Cycle

# Chapter 2 – Presentation of Population and Water Demands

## 2.1 Introduction

### 2.1.1 Scope of Work

This chapter presents the results of Task 2 of the project scope, which addresses updated population and water demand data for the region and outlines the guidelines and methodology used for the update. Also, to provide consistency and facilitate the compilation of the different regional plans, TWDB required the incorporation of this data into a standardized online database referred to as TWDB DB12. Tables that contain this information are identified below and are located at the end of this chapter.

*Table 2-4 – Population by City, Collective Reporting Unit, Individual Retail Public Utility, and Rural County*

*Table 2-5 – Water Demand by City and Category*

### 2.1.2 Background

Statewide estimates indicate that the population of Texas will nearly double by the year 2060, increasing from about 21 million in 2000 to more than 46 million people. According to the 2007 State Water Plan (SWP), 43 counties and 297 cities are projected to at least double their population by 2060. At present time, 2.8 million ac-ft/yr (AFY) of irrigation demands and 611,000 AFY of municipal demands would not be met if the historical drought of record (DOR) were to occur today. These identified shortages will obviously increase over time and could have substantial economic consequences if not adequately addressed.

Water resource planning and management in Texas is a shared responsibility of local utilities, regional special purpose districts, and state agencies. Local and regional water development authorities, as well as municipalities, have had primary responsibility for planning, developing, financing and constructing new water resources projects. The State's primary historical role has been providing guidance, regulatory governance, and limited financial assistance when possible.

## 2.2 Methodology

### 2.2.1 General

A key task in the preparation of the water supply plan for Region H was to determine current and future water demands within the region. Projections of future water demands are compared with estimates of currently available water supply to identify future expected water shortages. The TWDB, the Texas Commission on Environmental Quality (TCEQ), the Texas Parks and Wildlife Department (TPWD), and the Texas Department of Agriculture (TDA) prepared population and water demand projections for all water user groups (WUGs) within Region H as part of the development process for the 2006 Region H Regional Water Plan (RWP). These projections were eventually incorporated into the 2007 State Water Plan (SWP).

For this planning cycle the TWDB determined that complete revisions of RWPs would not be required due to the lack of new population data from the U.S. Census Bureau. The new population projections were developed using a selective approach in conjunction with data from the Texas State Data Center (SDC) for 2007 on county and municipal population. This section discusses the guidelines and methodology used to evaluate and select projections for use in the RWP for Region H.

TWDB rules require that the analysis of current and future water demands be performed for each Water User Group (WUG) within Region H. To be considered a WUG within the municipal category, one of the following must apply:

A city with a population of 500 or more, per the Texas State Demographer's July 2005 population estimate

Individual utilities providing more than 280 AFY of water for municipal use in 2005 (for counties having four or less of these utilities)

Collective Reporting Units (CRUs) consisting of grouped utilities having a common association

All smaller communities and rural/incorporated areas of municipal water use, aggregated at the county level, are considered a WUG and are referred to as "County Other" for each county. Additionally, for each county the categories of irrigation, livestock, manufacturing, mining, and steam electric power generation water use are each considered a WUG.

Furthermore, TWDB rules require the determination of demands associated with each of the Wholesale Water Providers (WWPs) designated by the Region H Water Planning Group (RHWPG). Region H defines wholesale water providers as any persons or entities (including river authorities and irrigation districts) that have contracts to sell more than 1,000 acre-feet of wholesale water in any one year during the five years immediately preceding the adoption of the last RWP. The RHWPG will also include other persons and entities that enter or that the Planning Group expects or recommends to enter into contracts to sell more than 1,000 acre-feet of wholesale water during the period covered by the plan. Designated WWPs in the Region H area include:

- Baytown Area Water Authority
- Brazos River Authority
- Brazosport Water Authority
- Central Harris County Regional Water Authority (CHCRWA)
- Chambers Liberty Counties Navigation District (CLCND)
- City of Galveston
- City of Houston
- City of Huntsville
- City of Missouri City
- City of Pasadena
- Cities of Richmond and Rosenberg
- City of Sugar Land
- Clear Lake City Water Authority
- Dow Chemical Co.
- Fort Bend County WCID No. 1
- Fort Bend County WCID No. 2
- Galveston County WCID No. 1
- Gulf Coast Water Authority
- La Porte Area Water Authority
- Lower Neches Valley Authority
- North Channel Water Authority
- North Fort Bend Water Authority (NBFWA)
- North Harris County Regional Water Authority (NHCRWA)

NRG  
San Jacinto River Authority  
Trinity River Authority  
West Harris County Regional Water Authority (WHCRWA)

The following sections describe the methodology used to develop population projections for municipal areas and water demand for each municipal, irrigation, livestock, manufacturing, mining, and steam electric power generation WUG in Region H. After the revised population and water demand projections were approved by the RWPG and formally adopted by the TWDB, the projections were incorporated into the TWDB online database DB12.

## 2.2.2 TWDB Guidelines for Revisions to Population and Water Demand Projections

The TWDB established criteria and data requirements to be used in evaluating and developing revisions to the state census based and/or consensus-based population and water demand projections. The criteria applied in developing revisions to the draft TWDB projections for Region H are displayed in *italic type* below and are described in detail.

### 2.2.2.1 Population Projections

Population is the principal determinant for projected future municipal water demand when combined with estimates of per capita water use and water conservation assumptions. As such, emphasis has been placed on evaluating the State's draft population projections and on developing revisions in accordance with the following criteria.

#### County Level Population

During this planning round, no Guidance was provided by TWDB for altering County Level projections.

#### Sub County Population

*The projected population growth throughout the planning period for the cities, utilities and rural area (County-Other) within a county is a function of a number of factors, including the entity's share of the county's growth between 1990 and 2000, as well as local information provided by Planning Groups.*

**Criteria:** *One or more of the following criteria must be verified by the Planning Group and the Executive Administrator for consideration of revising the sub-county population projections:*

- a. *The July 2005 State Demographer's population estimate is greater than the 2010 projected population of the city.*
- b. *The population growth rate for a city, utility or County-Other over the most recent five years is substantially greater than the growth rate between 1990 and 2000.*
- c. *Identification of areas that have been annexed by a city since the 2000 Census.*
- d. *Identification of the expansion of a utility's CCN or service area since the last update by the TCEQ to the digital boundary data.*

- e. *Identification of growth limitations or build out conditions in a city or utility that would result in maximum population that is less than was originally projected.*

**Data Requirements:** *The Planning Group must provide the following data associated with the identified criteria to the Executive Administrator for justifying any revisions to the sub-county-level population projections:*

1. *Population estimates for cities developed and published by the State Data Center or by a regional council of governments will be used to verify criteria (a) or (b) for cities.*
2. *The verified number of residential connections and permanent population served will be used to verify criteria (b) for utilities.*
3. *The estimated population of an area that has been annexed by a city (for criteria c) or has become part of a CCN or service area for a water utility (for criteria d). In addition, the geographical boundary of the area must be presented in acceptable map or ArcView shapefile.*
4. *Documentation from an official of a city or utility describing the conditions expected to limit population growth and estimating the maximum expected population will be used to verify criteria (e).*
5. *Other data that the Planning Group believes is important to justify any changes to the population projections.*

#### **2.2.2.2 Municipal Water Use**

*Municipal water demand is defined as residential and commercial water demand. Residential demand includes single and multi-family residential household water demand. Commercial demand includes water demands of business establishments, public offices, and institutions, but does not include industrial water demand. Residential and commercial water demands are categorized together because they are similar types of demands, i.e., each category uses water primarily for drinking, cleaning, sanitation, cooling, and landscape watering. Reported municipal water use data for the year 2000 was used to calculate the base per capita water demand for each city. The municipal water demand projections shall incorporate anticipated future water savings due to the natural installation of plumbing fixtures to more water-efficient fixtures, as detailed in the 1991 State Water-Efficient Plumbing Act. All other future water savings due to conservation programs undertaken by cities, utilities or county-other will be classified as WMSs by the Planning Group.*

**Criteria:** *One or more of the following criteria must be verified by the Planning Group and the Executive Administrator for consideration of revising the municipal water demand projections:*

- a. *Any changes to the population projections for an entity will require revisions to the municipal water use projections.*
- b. *Errors identified in the reporting of municipal water use for an entity.*
- c. *Evidence that the year 2000 water use was abnormal due to temporary infrastructure constraints.*

- d. *Evidence that per capita water use from a year between 2000 2005 would be more appropriate because that year was more representative of below normal rainfall conditions.*
- e. *Trends indicating that per capita water use for a city, utility or rural area of a county have increased over the latest period of analysis, beginning in 1995, and evidence that these trends will continue to rise in the short term future.*
- f. *Evidence that the number of fixture installations to water efficient fixtures between 2000 and 2005 is different than the TWDB schedule.*

**Data Requirements:** *The Planning Group must provide the following data associated with the identified criteria to the Executive Administrator for justifying any revisions to the municipal water use projections:*

1. *Annual municipal water production (total surface water diversions and/or groundwater pumpage and water purchased from other entities) for an entity measured in acre feet.*
2. *The volume of water sales by an entity to other water users (cities, industries, water districts, water supply corporations, etc.) measured in acre feet.*
3. *Net annual municipal water use, defined as total water production less sales to other water users (cities, industries, water districts, water supply corporations, etc.) measured in acre feet.*
4. *Documentation of temporary infrastructure constraints.*
5. *Drought index or growing season rainfall data to document a year different than 2000 as the dry year.*
6. *Documentation of the number of water efficient fixtures replaced between 2000 and 2005.*
7. *In order to verify increasing per capita water use trends for a city or rural area of a county and therefore revising projections of per capita water use to reflect this increasing trend, the following data must be provided with the request from the Planning Group:*
  1. *Historical per capita water use estimates based on net annual municipal water use for the city, utility or rural area of a county, beginning in 1995.*
  2. *A trend analysis which must take into account the variation in annual rainfall.*
  3. *Revised projections of per capita water use for a city, utility or rural area of a county will be submitted by the Planning Group, where an increasing trend in per capita water use has been verified for a city or rural area of a county.*
  4. *Growth data in the residential, commercial and/or public sectors that would justify an increase in per capita water use.*
8. *Other data the Planning Group believes is important to justify any revisions to the State Water Plan municipal water use projections.*

### 2.2.2.3 Industrial Water Use

*Industrial water demand is defined as water used in the production process of manufactured products, steam-electric power generation, and mining activities, including water used by employees for drinking and sanitation purposes.*

**Criteria:** *One or more of the following criteria must be verified by Planning Group and the Executive Administrator for consideration of revising the industrial water demand projections:*

- a. *An industrial facility which has recently located in a county and may not have been included in the Board's database. Documentation and analysis must be provided that justify that the new industrial facility will increase the future industrial water demand for the county above the industrial water use projections.*
- b. *An industrial facility has recently closed its operation in a county.*
- c. *Plans for the construction of an industrial facility in a county at some future date.*

**Data Requirements:** *The Planning Group must provide the following data associated with the identified criteria for justifying any revisions to the industrial water demand projections.*

1. *The quantity of water used on an annual basis by an industrial facility that has recently located in a county and was not included in the Board's database.*
2. *The North American Industrial Classification (NAIC) of the industrial facility that has recently located in a county. The NAIC is the numerical code for identifying the classification of establishments by type of activity in which they are engaged as defined by the U.S. Office of Management and Budget and is a successor of the Standard Industrial Classification (SIC).*
3. *Documentation of plans for an industrial facility to locate in a county at some future date will include the following data:*
  - a. *Confirmation of land purchased for the facility or lease arrangements for the facility.*
  - b. *The quantity of water required by the planned facility on an annual basis.*
  - c. *The proposed construction schedule for the facility including the date the facility will become operational.*
  - d. *The NAIC for the planned facility.*

### 2.2.3 County Population Projections

Due to the lack of new population data from the U.S. Census Bureau, the baseline population projections for the 2011 RWP were determined from the 2006 RWP. The RHWPG methodology used to calculate county populations across the planning decades is described in detail below.

Through interpolation of the 2000 U.S. Census Population and the 2006 RWP Projected Population for 2010, the projected population by county for 2007 was determined and compared with the SDC 2007 county estimates. The projection "error" was calculated by comparing the estimated population from the SDC for 2007 and the interpolated 2006 RWP Projected Population. The projection "error" by county is shown in *Table 2-1*. If the "error" for a county was greater than -5 percent, the county was marked for revision by the RWP. This procedure affected five counties: Brazoria; Chambers;



Fort Bend; Galveston; and Montgomery. The RWPG elected to revise the populations for four counties: Brazoria; Chambers; Fort Bend; and Montgomery. Galveston was not selected due to the ongoing effects of Hurricane Ike, although the “error” was identified as -7.99 percent. The long-term impacts of this event will be determined after the 2010 Census is available. Harris County was also selected for revision by the RWPG even though the percentage of the projection “error” was below the established threshold due to the magnitude of population involved.

For Brazoria, Chambers, Fort Bend, and Montgomery Counties, the 2011 RWP population projections were calculated by revising the slope of the 2006 RWP projections. The decadal projections from the 2006 RWP were increased by the projection “error” identified in *Table 2-1*. The resulting value by decade was then added to the 2006 RWP projected population to create the 2011 RWP population projections. See *Figures 2-2* through *2-5* for a comparison of 2006 and 2011 population projections.

For Harris County, the new population projections were calculated using a revised y-intercept method. The numerical population difference between the SDC 2007 county estimates and the interpolated 2006 RWP Projected Population for 2007 was added to each decade population projection in the 2006 RWP to create the 2011 RWP population projections.

A third option for determining population projections, yielding higher levels of growth throughout the planning period, was also considered for some of the suburban counties that have been historically under-projected, such as Fort Bend County. This methodology was reviewed by TWDB but it was recommended that the RHWPG retain the more conservative method described above. Additional data will be available as a result of the 2010 Census and this will provide for a better understanding of population growth in these counties during the development of the 2016 RWP.

For the remaining 10 counties, the county population projections from the 2006 Regional Water Plan were used in this planning period.

**Table 2-1**  
**Projection Error**

<b>County Name</b>	<b>Projection "Error"</b>
Austin	-4.85%
Brazoria	-6.93%
Chambers	-9.26%
Fort Bend	-11.39%
Galveston	-7.99%
Harris	-3.25%
Leon	6.69%
Liberty	0.93%
Madison	0.05%
Montgomery	-8.54%
Polk (all)	-1.60%
San Jacinto	3.81%
Trinity (all)	4.51%
Walker	5.49%
Waller	-2.68%
<b>Total</b>	<b>-4.55%</b>

## 2.2.4 Sub-County Population Projections

In addition to the WUGs examined in the 2006 RWP, additional WUGs were identified from the criteria listed in *Section 2.2.1*, including North Fort Bend Water Authority (NFBWA), Kendleton, Montgomery, Stagecoach, and Central Harris County Regional Water Authority (CHCRWA). These new WUG population projections are shown in *Table 2-2*.

**Table 2-2  
New WUG Population Projections**

WUG Name	County	2010	2020	2030	2040	2050	2060
KENDLETON	FORT BEND	601	775	1,000	1,290	1,664	2,147
NFBWA	FORT BEND	140,385	238,775	318,353	387,602	447,877	496,345
CHCRWA	HARRIS	29,950	41,550	41,550	41,550	41,550	41,550
NFBWA	HARRIS	6,954	6,824	6,875	7,244	7,469	7,429
MONTGOMERY	MONTGOMERY	1,200	5,000	7,500	10,000	12,500	15,000
STAGECOACH	MONTGOMERY	626	861	1,185	1,630	2,243	3,086

TWDB also developed and supplied WUG alternative projections when the SDC data for 2007 indicated that a WUG population was under-projected by 5 percent or greater. These alternative projections are shown in *Table 2-1* at the end of the chapter.

Using the updated county and WUG projections, each county was evaluated separately to ensure the County totals were met. This was accomplished through applying the following methods.

For counties with no TWDB-developed WUG alternative projections, i.e. Galveston and Walker, no changes were made. For counties with TWDB-developed WUG alternative projections but with no revised County total projections, the difference in population was taken or added to the County-Other WUG. This method was used for the majority of counties: Austin; Leon; Liberty; Madison; Polk; San Jacinto; and Waller.

For Brazoria County, the TWDB-developed WUG alternative projections resulted in a net increase in population greater than the increase identified for the county as a whole. To account for the overage, the difference between the 2006 RWP projections and the TWDB-developed WUG alternative projections were summed by basin. The percentage difference between this value and the excess was multiplied by each summed basin increase. The result was subtracted from the County-Other for each basin.

For Montgomery County, the TWDB-developed WUG alternative projections occurred in the Trinity & Trinity-San Jacinto Basins. The remaining population was distributed through the Utility District and County-Other WUGs based on the percentage change between the planning decades and the total increase of Utility District and County-Other WUGs by decade. This accounts for growth in both of these population centers that were not considered by the 2007 SDC estimates. This method was preferred over the addition of this population to County-Other, which already represented a large portion of the county population as a whole.

For Chambers County, a similar method to Montgomery County was applied for distributing population growth. However, County-Other in Chambers County was not projected to grow in the 2006 RWP projections. Therefore, all additional growth in the county was assumed to occur in utility districts as growth in municipalities was already considered in the 2007 SDC estimates.

For Harris County, excess population, resulting from the net change in WUG populations based on the TWDB-alternative projections and growth in the county, was distributed to County-Other in all basins.

The incorporation of the TWDB-alternative projections in Fort Bend County exceeded the overall county population growth. Therefore, the population in County-Other was reduced to account for this discrepancy.

## 2.2.5 WUG Population and Demand Projections Survey

Correspondence was sent to all named WUGs detailing the draft population and demand projections for the 2011 RWP. A representative letter is shown in *Appendix 2-1*. WUG representatives were asked to submit desired projections through an online database along with justification. Revisions had to meet criteria from State discussed in *Section 2.2.7*. For WUGs requesting additional information, additional guidance was provided on criteria and data requirements. Sixteen WUGs responded with suggested population and water demand projections. In general, the differences in the projections were reconciled with the County-Other projections in order to maintain the County totals. Therefore, agreed upon county totals were maintained wherever possible. In Fort Bend County, requests for increased population exceeded the population in County-Other in the 2010 and 2020 decades. To resolve this, the County-Other populations in these decades were retained and the overall county populations were increased.

Changes for individual WUGs are as follows:

1. Crosby Municipal Utility District (MUD) supplied population projections based on their amended Water Conservation Plan, which projected to the year 2050. Using the previous growth in the Water Conservation Plan, the year 2060 projection was determined through extrapolation. Crosby MUD has not reached ultimate development and increases in their population projections were subtracted from the County-Other for Harris County.
2. Fort Bend County MUD #23 supplied population projections indicating higher growth projections and reaching ultimate development by the 2020 planning decade. In order to supplement the higher projections for the decades 2010 through 2040, population was removed from the County-Other population for Fort Bend County to maintain the County total. The excess population originally projected above the ultimate development level for the 2050 and 2060 decades were added back into the County-Other population for Fort Bend County.
3. Fort Bend County MUD #67 provided revised population projections from the previously supplied projections. These increases were taken from the County-Other for Fort Bend County.
4. Fort Bend County MUD #69 supplied population projections increases from the previously supplied projections. These increases were taken from the County-Other for Fort Bend County.
5. Huntsville supplied initial population projections which were significantly higher than the projections from the 2006 RWP based on a study performed by a consultant. The supplied projections resulted in a population excess represented in County-Other for Walker County, meaning the County total would have to be revised to incorporate the increase. The RHWPG requested that further study be performed to develop these projections at the May 6, 2009 meeting.

Following correspondence with the City of Huntsville, a hybrid projection was developed retaining the 2010 and 2020 estimates from the City of Huntsville while the 2030 projection follows the same growth pattern as the 2006 RWP projections between 2020 and 2030. The population is held constant through the rest of the planning horizon, as the 2006 RWP projections start to drop over this time. Huntsville's new population projections were divided accordingly by basin as allocated in the 2006 RWP. The projection provides for near-term growth until the next round of planning when the 2010 Census is available. At the same time, the projections do not require an increase to the Walker County control population.

6. Montgomery supplied projections based on a recent demographic study, projected build-out, and land use survey. The increases were taken from the County-Other for Montgomery County.
7. Montgomery County MUD #8 and Montgomery County MUD #9 supplied joint population projections which were lower than the projections supplied to the WUGs. The excess population was added back into County-Other.
8. The NFBWA encompasses 53 utility districts and 1 municipality. The NFBWA supplied projections based on their Groundwater Reduction Plan (GRP). The municipal WUG, Fulshear, was subtracted from the projections to be shown separately. The remaining population projections were divided accordingly by basin, as allocated in the 2006 RWP.
9. Northwest Park MUD provided revised projections demonstrating an increase in population due to annexed area in excess of the Year 2000 boundary for their district. The increases were taken from the County-Other for Harris County.
10. Panorama Village supplied population projections lower than the projections from the 2006 RWP due to limited acreage, Water Audit Reports, and remaining vacant lots. The decreases in Panorama Village population projections were added into the County-Other for Montgomery County.
11. The TWDB-developed alternative projection for Richmond was based on the 2007 SDC estimate that projected a much higher rate of growth than was projected in the 2006 RWP. Richmond supplied initial population projections lower than those projected in the 2006 RWP. After reviewing the projections, the RWPG requested that these projections be reconsidered due to this discrepancy. Data from the U.S. Census suggested a 2 percent growth from the year 2001 to the year 2007 while the SDC predicted a 4.2 percent growth over the same period. A projection based on the Census-developed growth rate was prepared by Richmond which resulted in a long-term projection between what was presented in the 2006 RWP and the alternative projection provided by TWDB.
12. Riverside Water Supply Corporation supplied population projections based on current population, their Water Conservation and Drought Contingency Plan, and growth rate established from previous decades. The increases in population projections occurred in 2010 as well as decades 2040 through 2060.
13. Shenandoah supplied population projections based on the difference in the TWDB-developed alternative population projections and the current population. The current population was determined by using the latest connection count multiplied by the City constant of 3.5 people per connection. This difference was assumed to be a one-time correction and was added to the population projections in subsequent decades.
14. Sugar Land supplied population projections based on growth within their city limits, although the city has planned annexation of established MUDs within their existing extraterritorial jurisdiction within the next year. These annexed areas have not been included in the projections for the City

of Sugar Land, but will be considered later.

15. The West Harris County Regional Water Authority (WHCRWA) encompasses the northwest corner of Harris County, with portions in Fort Bend County. WHCRWA supplied population from their latest GRP update. The populations projections supplied were divided accordingly by county as allocated in the 2006 RWP.

These projections were submitted to the RHWPG on May 6, 2009. The RHWPG approved the majority of the population projections, the exceptions being 2 WUGs which were recommended for further examination. The RHWPG again visited the proposed projections for the Cities of Richmond and Huntsville at the July 1, 2009 meeting and moved to approve these remaining projections, therein.

### **2.2.6 Municipal Water Demand Projection Methodology**

Municipal water demand projections were provided by TWDB for all WUGs identified in the population projection process. The components of the water demand projection process are population projection and per capita water use with plumbing code savings included. *Sections 2.2.1 through 2.2.3* discussed the methodology used to determine the population projections for the region. Through correspondence, WUGs were asked for input regarding their population projections and per capita water use. Unless the WUGs submitted a per capita water use revision, the TWDB used per capita water use values from the 2006 RWP in calculating municipal water demands. If per capita water use revisions were requested by a WUG, the request was sent to TWDB for review and approval. Revised per capita water uses approved by TWDB were then used in place of the 2006 RWP per capita water demands. For WUGs requesting a per-capita usage rate change, the WUG-recommended rates are as follows:

Huntsville – 160 gpcd  
NFBWA – 210 gpcd  
WHCRWA – 169 gpcd

For more information on TWDB estimates, please reference the 2006 Region H RWP. TWDB guidelines for revisions to municipal water demand projections state that adjustments in per capita usage rates can be proposed if more recent data indicates that per capita use has changed. See *Section 2.2.7* below. These projections were adopted by the TWDB and are presented for each municipal and non municipal WUG by county, river basin, and decade in *Table 2-3* at the end of the chapter.

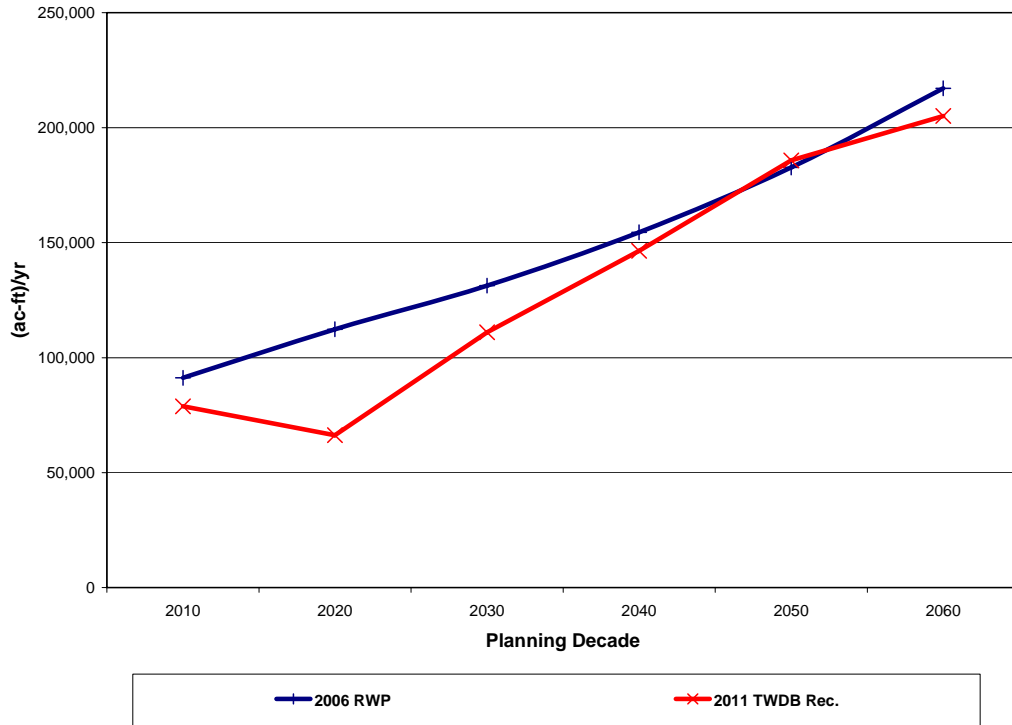
### **2.2.7 Steam Electric Power Generation Water Demand Projection Methodology**

Steam electric power generation demand estimates were generated in a 2008 study performed by the Bureau of Economic Geology (BEG). These projections were examined by TWDB planning staff prior to submission to the RWPG for consideration. A comparison of steam electric demand projections for the 2006 RWP and the 2011 TWDB-provided projections are shown in *Figures 2-1 and 2-2*. For the second half of the planning horizon the two projections are similar, although the 2006 RWP projection tended to be slightly higher overall. The 2011 TWDB-provided projections also include a reduction in demands for the 2020 decade. Due to the slightly more conservative demand estimates and more consistent linearly-increasing trend for prior demand projections, the RWPG elected to retain steam electric demand projections from the 2006 RWP.

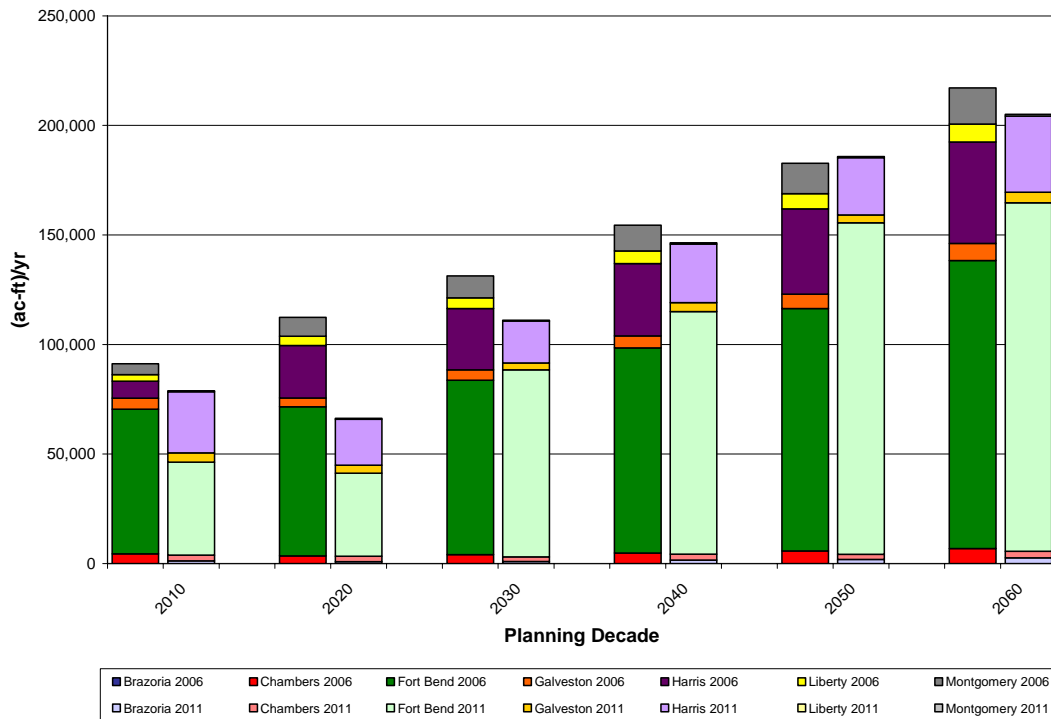
### **2.2.8 Other Water Demand Projection Methodology**

For remaining water demand types including irrigation, livestock, manufacturing, and mining, there was not sufficient evidence of change to warrant revisions to water demand projections. For this reason, other water demand values for these categories were retained from the 2006 RWP. For more information on how these water demands were determined, please reference the 2006 RWP.

**Figure 2-1  
Steam Electric Demand Projection Comparison**



**Figure 2-2  
Steam Electric Demand Projection Comparison by County**



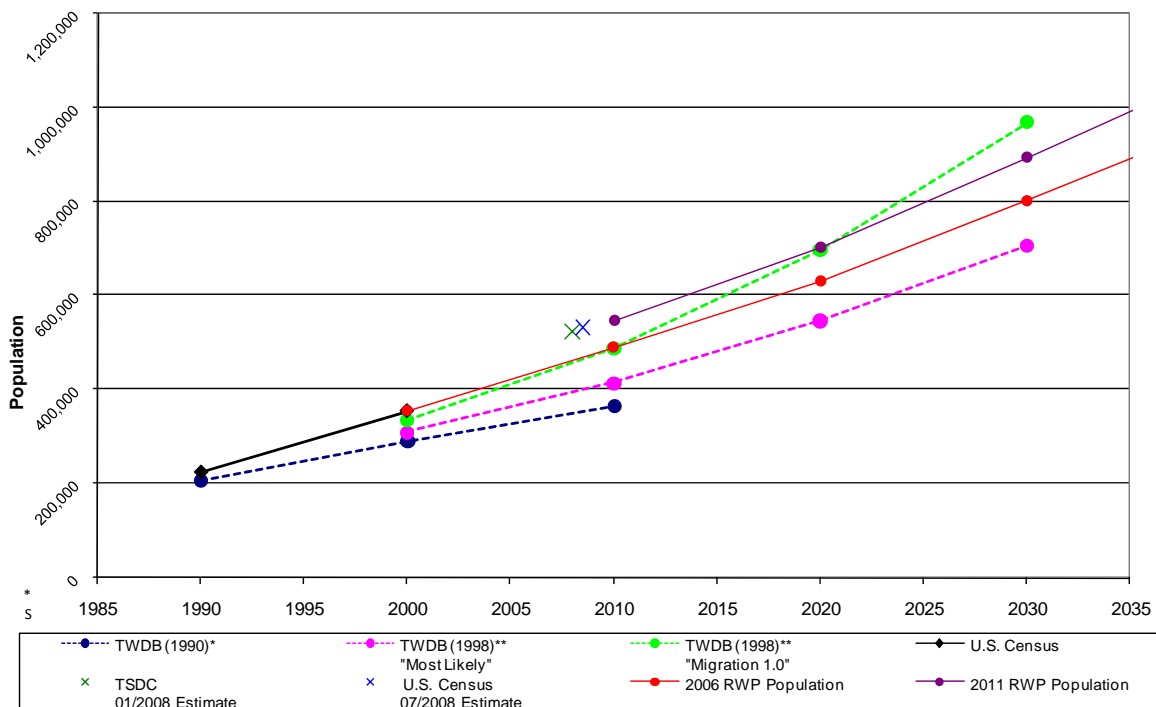
## 2.2.9 TWDB Approval of Revised Population and Demand Projections

Upon adoption of the recommended population and water demand projection by the RHWPG in May and July of 2009, these projections were submitted to TWDB for their consideration and approval at their November, 2009 meeting. This concluded the population and water demand projection development phase of the 2011 RWP development.

### 2.2.10 Region H Resolution on Fort Bend County

Despite the approval of population projections by the RHWPG and, later, the TWDB, the RHWPG wished to express an interest in increasing population projections for Fort Bend County. This concern was a direct result of past population projections for Fort Bend County that under-predicted the rapid growth experienced in this suburban county (*Figure 2-3*). In response, the RHWPG adopted a resolution at their November 4, 2009 meeting to express this concern and urge thorough consideration of future growth in the next planning round to address needs of developing counties such as Fort Bend. A copy of this resolution can be found in *Appendix 2B*.

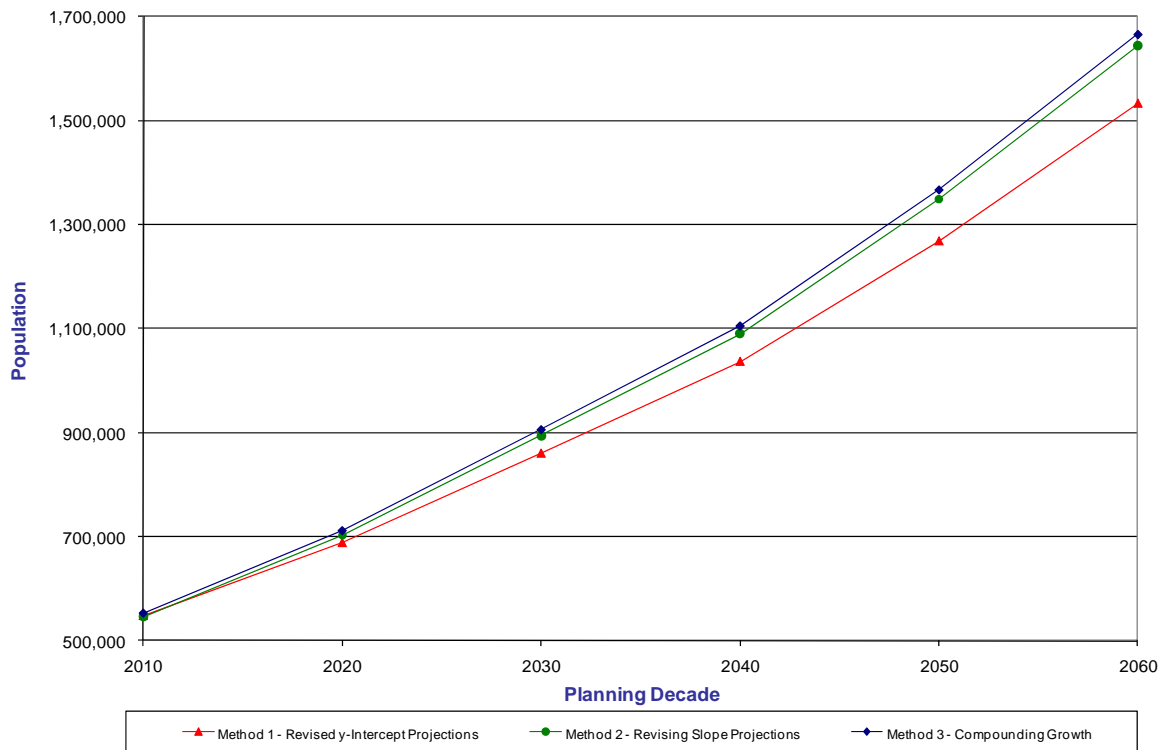
**Figure 2-3  
Comparison of Population Projections for Fort Bend County**



Additionally, the alternate population projection for Fort Bend County discussed in Section 2.2.3, above was also considered for Fort Bend County. Although this projection represents only a marginal increase in population over the approved projection, the result is an increase in population of another 21,599 people by the year 2060. The resulting water demand increase under this scenario would be another 3,966 acre-feet per year in 2060. This additional growth is shown in *Figure 2-4* and means in which to meet these needs are described in *Chapter 4*.



**Figure 2-4**  
**Alternative Population Projections for Fort Bend County**

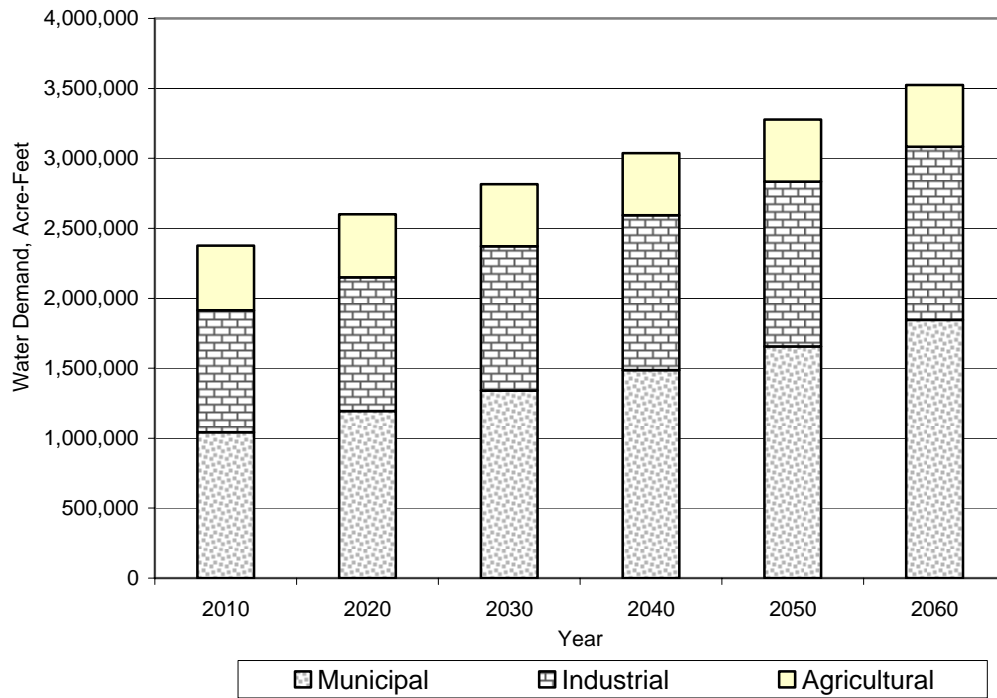


### 2.3 Regional Summary of Population and Water Demand Projections

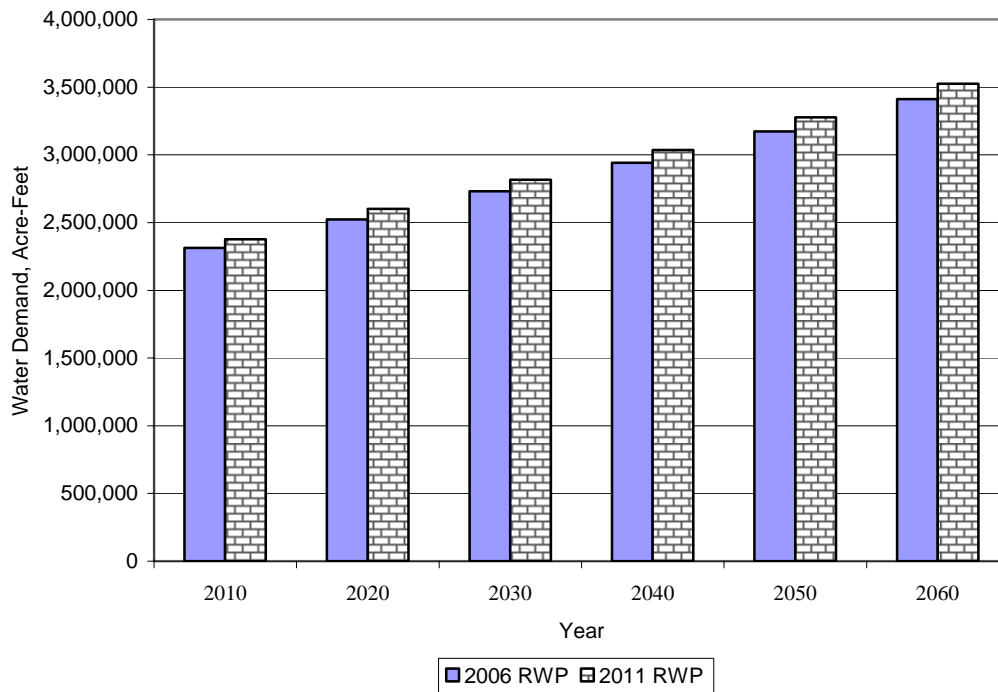
This section discusses population projections and municipal, irrigation, livestock, manufacturing, mining, and steam electric power generation water demands for each of the fifteen counties in Region H. These projections were developed using the general methodology described in *Section 2.2*. *Figures 2-5, 2-6, and Table 2-4* at the end of this chapter present a graphical summary of the total water demand for Region H by water use category and a summary of Region H's total revised water demand projections by water user category from the 2006 RWP and the 2011 RWP at a county level, respectively.

After the revised population and water demand projections were approved by the RWPG and formally adopted by the TWDB, the projections were incorporated into the TWDB online database DB12.

**Figure 2-5  
Water Demand by Decade**



**Figure 2-6  
Comparison of Water Demand Estimates**



### 2.3.1 Regional Summary of Projections by Category

#### Population

The revised population projections indicate that Region H's population will grow from 6,020,078 in the year 2010 to 11,346,082 in the year 2060. When comparing the 2006 plan and 2011 plan population estimates for the region, there is roughly a 4 percent population increase between the two plans for all the decades between 2010 and 2060. *Table 2-4*, located at the end of this chapter, presents the population projections by county, river basin, and decade.

#### Municipal Water Demand

Revised municipal water demand projections for Region H show an increase in projected demand from 1,042,864 AFY in the year 2010 to 1,844,817 AFY in the year 2060. When comparing the municipal water demand estimates for the region in the 2006 RWP versus the 2011 RWP, there is a 6 percent increase in the year 2010 and a 7 percent increase for the remaining planning decades. The revised projections by county for each municipal WUG are provided in *Table 2-5*, at the end of this chapter, by county and by river basin.

#### Manufacturing Water Demand

The proposed manufacturing water demands for all counties in Region H are the projections used in 2006 RWP. The proposed manufacturing water demand for Region H is projected to increase from 722,873 to 950,102 AFY across the 6-decade planning period. The projections are provided in *Table 2-5* at the end of the chapter as well as in the TWDB Database DB12.

#### Irrigation Water Demand

Total irrigation water demand for the region is projected to decrease from 450,175 to 430,930 AFY between decades 2010 and 2060. The proposed change results in a 4 percent decrease over the 6-decade planning period. The projections are provided in *Table 2-5* at the end of the chapter as well as in the TWDB online database DB12.

#### Steam Electric Power Generation Water Demand

Region H retained the steam electric power generation water demand projections presented in the 2006 RWP. As a result, the 2011 RWP proposed steam electric power generation water demands for Region H are 91,231 AFY in 2010 and 217,132 AFY in 2060. This represents a 138 percent increase over the 6-decade planning period. The projections are provided in *Table 2-5* at the end of the chapter as well as in the TWDB Database DB12.

#### Mining Water Demand

No changes in mining water demand were made from the 2006 Region H RWP. The proposed mining water demand by decade for Region H is 56,976 AFY in the year 2010 and 69,457 AFY in 2060. This represents a 22 percent increase across the 6-decade planning period. The projections are provided in *Table 2-5* at the end of the chapter as well as in the TWDB Database DB12.

#### Livestock Water Demand

Livestock demand projections for the 2006 RWP were retained in this round of planning. The livestock water demand by decade for Region H is 12,228 AFY, which was held constant for all decades from 2010 to 2060. The revised projections are provided in *Table 2-5* at the end of the chapter as well as in the TWDB Database DB12.

### 2.3.2 County Summary of Projections

The revised projections by county for each municipal WUG are provided in *Table 2-4* at the end of this chapter, by county and by river basin. Unless otherwise stated, the TWDB default population and water demand projection methodologies, as described in *Section 2.2.7*, were used. For counties with population totals revised since the 2006 RWP, water demands are shown in *Figure 2-6* at the end of

the chapter.

### **Austin**

Municipal population projections for Austin County show population increasing from 27,173 in year 2010 to 35,958 in year 2060. This represents a 32 percent increase in projected population over the 6-decade planning period. When comparing the 2006 and 2011 RWP municipal water demand estimates for Austin County, there is a linear increase of 1 percent starting at 1 percent in municipal water demand increase in the 2011 RWP for each planning decade until 2050. The increase in municipal water demand is a result of more accurate baseline population projections and per capita water use estimates. In the 2011 RWP, the irrigation, livestock, manufacturing, and mining demands for Austin County remained constant from the 2006 RWP. Manufacturing demands ranged from 210 to 313 AFY from 2010 to 2060.

### **Brazoria**

Municipal population projections for Brazoria County show population increasing from 305,649 in year 2010 to 538,795 in year 2060. This represents a 76 percent increase in projected population over the 6-decade planning period. When comparing the 2006 and 2011 RWP municipal water demand estimates for Brazoria County, there is a steady 1 percent increase in municipal water demands in the 2011 RWP for each planning decade. The increase in municipal water demands is a result of more accurate baseline population projections and per capita water use estimates. In the 2011 RWP, the irrigation, livestock, manufacturing, and mining demands for Brazoria County remained constant from the 2006 RWP. Mining demands are predicted to increase over the 6-decade planning period. Currently, there are no steam electric power generation demands projected in Brazoria County.

### **Chambers**

Municipal population projections for Chambers County show population increasing from 34,282 in the 2010 decade to 62,850 in the 2060 planning decade. This represents an 83 percent increase in projected population over the 6-decade planning period. Municipal water demand estimates for Chambers County show demands increasing from 176,883 in the 2010 decade to 198,800 in the 2060 planning decade. This represents a 12 percent increase in projected population over the 6-decade planning period. In the 2011 RWP, the irrigation, livestock, manufacturing, mining, and steam-electric power generation demands for Chambers County remained constant from the 2006 RWP.

### **Fort Bend**

Municipal population projections for Fort Bend County show population increasing from 550,121 in year 2010 to 1,643,825 in year 2060. This represents approximately a 199 percent increase in projected population over the 6-decade planning period. Municipal water demands increase from 109,869 in year 2010 to 300,689 in year 2060. This represents a 174 percent increase in municipal water demands over the 6-decade planning period. The projections in municipal water demands are the result of more accurate baseline population projections and per capita water use estimates. Manufacturing demands in Fort Bend County increase by 8 percent over the 6-decade planning period. The overall mining demands increase from 3,010 in year 2010 to 3,196 in year 2060, representing a 6 percent increase. Steam electric power generation demand projections increase by 99 percent over the 6 decades of planning from 66,026 in year 2010 to 131,527 in year 2060. In the 2011 RWP, the irrigation, livestock, manufacturing, mining, and steam-electric power generation demands for Fort Bend County remained constant from the 2006 RWP.

### **Galveston**

Municipal population projections for Galveston County show population increasing from 268,714 in year 2010 to 302,774 in year 2060. This represents a 13 percent increase in projected population over the 6-decade planning period. Municipal water demands increase from 103,061 in year 2010 to 121,863 in year 2060. This represents an 18 percent increase in municipal water demands over the 6-decade planning period. The change in municipal water demand is a result of more accurate baseline population projections and per capita water use estimates. Manufacturing demands in

Galveston County are expected to increase by 35 percent over the 6-decade planning period. Projected mining and steam electric power generation demands also increase over the 60 year planning period, 16 and 54 percent, respectively. In the 2011 RWP, the irrigation, livestock, manufacturing, mining, and steam-electric power generation demands for Galveston County remained constant from the 2006 RWP.

### **Harris**

Municipal population projections for Harris County show population increasing from 4,078,231 in the 2010 decade to 6,833,751 in the 2060 planning decade. This represents a 68 percent increase in projected population over the 6-decade planning period. When comparing the 2006 and 2011 RWP municipal water demand estimates for Harris County, there is a 3 percent municipal water demand increase for the 2010 through 2030 decades and a 2 percent increase for the 2040 through 2060 decades. The change in the baseline municipal water demand is a result of more accurate baseline population projections and per capita water use estimates. Livestock and irrigation demand projections remain a constant water demand at 1,133 and 15,300 AFY, respectively. While manufacturing, mining, and steam electric power generation demands are expected to increase by 21, 499, and 41 percent, respectively, over the 6-decade planning period. In the 2011 RWP, the irrigation, livestock, manufacturing, mining, and steam-electric power generation demands for Harris County remained constant from the 2006 RWP.

### **Leon**

Municipal population projections for Leon County show population increasing from 18,231 in year 2010 to 23,028 in year 2060. This represents a 26 percent increase in projected population over the 6 decades. Municipal water demand estimates for Leon County show demands increasing from 6,592 in the 2010 decade to 7,347 in the 2060 planning decade. This represents an 11 percent increase in projected population over the 6 decades. Manufacturing demand projections are expected to increase by 84 percent over the 60 year planning period for Leon County. Mining demands are predicted to decrease by 10 percent over the 60 year planning period. In the 2011 RWP, the irrigation, livestock, manufacturing, and mining demands for Leon County remained constant from the 2006 RWP. There is not a steam electric power generation demand in Leon County.

### **Liberty**

Municipal population projections for Liberty County show population increasing from 81,930 in year 2010 to 147,845 in year 2060. This represents an 80 percent increase in projected population over the 6 decade planning period. When comparing the 2006 and 2011 RWP municipal water demand estimates for Liberty County, there is a 1 percent municipal water demand increase in the 2011 RWP for the 2030 through 2060 planning decades. The increase in municipal water demand is a result of more accurate baseline population projections and per capita water use estimates. Manufacturing demand projections show an 87 percent increase over the 60 year planning period. Mining demand projections show a 1 percent increase over the 60 year planning period. In the 2011 RWP, steam-electric power generation demand projections show a 177 percent increase over the 60 year planning period. In the 2011 RWP, the irrigation, livestock, manufacturing, mining, and steam-electric power generation demands for Liberty County remained constant from the 2006 RWP.

### **Madison**

Municipal population projections for Madison County show population increasing from 13,905 in year 2010 to 17,560 in year 2060. This represents a 26 percent increase in projected population over the 6 decade planning period. When comparing the 2006 and 2011 RWP municipal water demand estimates for Madison County, there is a 15 percent municipal water demand increase over the 6 planning decades. The increase in municipal water demand is a result of more accurate baseline population projections and per capita water use estimates. Manufacturing water demand projections estimate a 53 percent increase over the 6 decade planning period, and there is no steam electric power generation demand projected in the county. In the 2011 RWP, the irrigation, livestock, manufacturing, and mining demands for Madison County remained constant from the 2006 RWP.

### **Montgomery**

Municipal population projections for Montgomery County show population increasing from 453,369 in year 2010 to 1,444,999 in year 2060. This represents a 219 percent increase in projected population over the 6 decade planning period. Municipal water demand estimates show a steady 8 percent increase for the 2010 and 2020 planning decades and a 9 percent increase for the 2030 through 2060 planning decades. The increase in municipal water demand is a result of more accurate baseline population projections and per capita water use estimates. Livestock and irrigation demand projections in the 2011 RWP remain the same as in the 2006 RWP. Mining demand projections show an increase of 19 percent, manufacturing demand is projected to increase 66 percent, and the steam electric power generation demand is projected to increase 227 percent in the 60 year planning period covered in the 2011 RWP.

### **Polk**

Municipal population projections for Polk County show population increasing from 37,650 in year 2010 to 54,380 in year 2060. This represents a 44 percent increase in projected population over the 6 decade planning period. When comparing the 2006 and 2011 RWP municipal water demand estimates for Polk County, there is a municipal water demand increase ranging between 4 and 14 percent in the 2011 RWP, depending on the planning decade. The increase in municipal water demand is a result of more accurate baseline population projections and per capita water use estimates. There are no demands shown for manufacturing, irrigation, and steam electric power generation in Polk County. Livestock demands remain consistent with the projections in the 2006 RWP. Mining demands increase 21 percent over the 6-decade planning period.

### **San Jacinto**

Municipal population projections for San Jacinto County show population increasing from 27,443 in year 2010 to 41,299 in year 2060. This represents a 50 percent increase in projected population over the 6 decade planning period. When comparing the 2006 and 2011 RWP municipal water demand estimates for San Jacinto County, there is a municipal water demand increase ranging between 14 and 21 percent in the 2011 RWP, depending on the planning decade. The increase in municipal water demand is a result of more accurate baseline population projections and per capita water use estimates. Manufacturing demand projections increase by 42 percent while mining demand projections show a 13 percent decrease across the 6-decade planning period. Currently, no steam electric power generation demands are projected for San Jacinto County. In the 2011 RWP, the irrigation, livestock, manufacturing, and mining demands for San Jacinto County remained constant from the 2006 RWP.

### **Trinity**

Municipal population projections for Trinity County show population increasing from 11,571 in year 2010 to 11,673 in year 2060. This represents a 1 percent increase in projected population over the 6 decade planning period. When comparing the 2006 and 2011 RWP municipal water demand estimates for Trinity County, there is a 5 percent municipal water demand decrease across the 6-decade planning period. The decrease in municipal water demand is a result of more accurate baseline population projections and per capita water use estimates. Currently, there are no projected manufacturing and steam electric power generation demands in the Trinity County. Irrigation, livestock, and mining demands remain consistent with the projections in the 2006 RWP.

### **Walker**

Municipal population projections for Walker County show population increasing from 70,672 in year 2010 to 80,737 in year 2060. This represents a 14 percent increase in projected population over the 6 decade planning period. When comparing the 2006 and 2011 RWP municipal water demand estimates for Walker County, there is a 6 percent municipal water demand increase in the 2011 RWP. The increase in municipal water demand is a result of more accurate baseline population projections and per capita water use estimates. Manufacturing water demand estimates show an increase by 72 percent from 3,208 AFY in year 2010 to 5,517 AFY in year 2060. In the 2011 RWP, the irrigation,

livestock, manufacturing, and mining demands for Walker County remained consistent with the 2006 RWP.

**Waller**

Municipal population projections for Waller County show population increasing from 41,137 in the 2010 decade to 106,608 in the 2060 planning decade. This represents a 159 percent increase in projected population over the 6 decades. When comparing the 2006 and 2011 RWP municipal water demand estimates for Waller County, there is a steady municipal water demand increase in the 2011 RWP, ranging from 1 to 8 percent across the planning decades. The increase in municipal water demand is a result of more accurate baseline population projections and per capita water use estimates. Irrigation, livestock, and mining demands are projected to remain constant at 22,978 AFY, 632 AFY, and 13 AFY, respectively. Manufacturing demand projections are projected to steadily increase from 89 AFY in the 2010 decade to 144 AFY in the 2060 decade, approximately a 62 percent increase. Currently, there are no projected steam electric power generation demands in Waller County. In the 2011 RWP, the irrigation, livestock, manufacturing, and mining demands for Waller County remained consistent with the 2006 RWP.

**Table 2-3  
TWDB Alternative Population**

County Name	City Name	Version	2010	2020	2030	2040	2050	2060
LIBERTY	AMES	2006 SWP	1,140	1,207	1,271	1,334	1,403	1,480
LIBERTY	AMES	TWDB Rev	1,338	1,623	1,897	2,165	2,459	2,789
BRAZORIA	ANGLETON	2006 SWP	18,951	19,805	20,623	21,377	22,176	23,010
BRAZORIA	ANGLETON	TWDB Rev	19,999	20,900	21,763	22,559	23,402	24,282
CHAMBERS	BAYTOWN	2006 SWP	3,541	3,972	4,373	4,720	5,072	5,433
CHAMBERS	BAYTOWN	TWDB Rev	3,754	4,211	4,636	5,004	5,377	5,760
HARRIS	BAYTOWN	2006 SWP	65,231	67,134	69,007	70,861	72,703	74,538
HARRIS	BAYTOWN	TWDB Rev	69,151	71,168	73,154	75,119	77,072	79,017
AUSTIN	BELLVILLE	2006 SWP	4,191	4,567	4,830	4,986	5,061	5,164
AUSTIN	BELLVILLE	TWDB Rev	5,213	6,560	7,499	8,057	8,325	8,692
BRAZORIA	BRAZORIA	2006 SWP	2,845	2,906	2,964	3,017	3,074	3,133
BRAZORIA	BRAZORIA	TWDB Rev	3,061	3,127	3,189	3,246	3,307	3,370
WALLER	BROOKSHIRE	2006 SWP	3,930	4,499	5,133	5,838	6,678	7,642
WALLER	BROOKSHIRE	TWDB Rev	4,616	5,997	7,535	9,246	11,284	13,624
MONTGOMERY	CONROE	2006 SWP	49,602	57,413	72,685	90,440	113,860	141,060
MONTGOMERY	CONROE	TWDB Rev	59,845	78,924	102,013	127,459	161,024	200,007
LIBERTY	DAYTON	2006 SWP	6,160	6,656	7,132	7,598	8,109	8,682
LIBERTY	DAYTON	TWDB Rev	7,491	9,454	11,336	13,180	15,201	17,467
FORT BEND	FULSHEAR	2006 SWP	883	1,056	1,268	1,486	1,772	2,098
FORT BEND	FULSHEAR	TWDB Rev	1,098	1,401	1,772	2,154	2,654	3,226
WALLER	HEMPSTEAD	2006 SWP	5,724	6,947	8,309	9,825	11,630	13,703
WALLER	HEMPSTEAD	TWDB Rev	7,389	10,585	14,143	18,102	22,817	28,232
FORT BEND	KATY	2006 SWP	1,078	1,274	1,514	1,761	2,084	2,453
FORT BEND	KATY	TWDB Rev	1,548	2,072	2,712	3,370	4,233	5,220
HARRIS	KATY	2006 SWP	13,372	16,576	19,727	22,846	25,946	29,034
HARRIS	KATY	TWDB Rev	17,294	21,438	25,513	29,547	33,556	37,550
WALLER	KATY	2006 SWP	804	804	804	804	804	804
WALLER	KATY	TWDB Rev	1,462	2,241	3,109	4,074	5,224	6,544
HARRIS	LEAGUE CITY	2006 SWP	143	147	151	155	159	163
HARRIS	LEAGUE CITY	TWDB Rev	180	185	190	195	200	205
POLK	LIVINGSTON	2006 SWP	5,609	5,784	5,922	6,029	6,144	6,254
POLK	LIVINGSTON	TWDB Rev	6,740	8,025	9,061	9,829	10,539	11,232
MONTGOMERY	MAGNOLIA	2006 SWP	1,350	1,496	1,782	2,114	2,552	3,061
MONTGOMERY	MAGNOLIA	TWDB Rev	2,151	3,012	4,054	5,203	6,718	8,478
BRAZORIA	MANVEL	2006 SWP	3,046	3,046	3,046	3,046	3,046	3,046
BRAZORIA	MANVEL	TWDB Rev	4,510	4,510	4,510	4,510	4,510	4,510
FORT BEND	MEADOWS	2006 SWP	4,912	4,912	4,912	4,912	4,912	4,912
FORT BEND	MEADOWS	TWDB Rev	6,961	6,961	6,961	6,961	6,961	6,961
FORT BEND	NEEDVILLE	2006 SWP	3,040	3,486	4,032	4,593	5,329	6,171
FORT BEND	NEEDVILLE	TWDB Rev	3,875	4,881	6,111	7,375	9,033	10,928
LEON	NORMANGEE	2006 SWP	714	753	777	778	775	778
LEON	NORMANGEE	TWDB Rev	768	862	918	921	916	923
MADISON	NORMANGEE	2006 SWP	44	44	44	44	44	44
MADISON	NORMANGEE	TWDB Rev	50	56	61	65	69	72
CHAMBERS	OLD RIVER- WINFREE	2006 SWP	1,482	1,613	1,735	1,841	1,948	2,058



**Table 2-3 (Continued)**  
**TWDB Alternative Population**

County Name	City Name	Version	2010	2020	2030	2040	2050	2060
CHAMBERS	OLD RIVER-WINFREE	TWDB Rev	1,585	1,755	1,913	2,050	2,189	2,331
POLK	ONALASKA	2006 SWP	1,363	1,552	1,701	1,817	1,941	2,059
POLK	ONALASKA	TWDB Rev	1,562	1,944	2,252	2,480	2,691	2,897
BRAZORIA	PEARLAND	2006 SWP	63,685	80,689	96,167	110,461	125,585	141,358
BRAZORIA	PEARLAND	TWDB Rev	82,803	104,912	125,037	143,622	163,286	183,794
HARRIS	PEARLAND	2006 SWP	2,364	2,773	3,175	3,573	3,968	4,362
HARRIS	PEARLAND	TWDB Rev	3,074	3,606	4,129	4,647	5,161	5,673
FORT BEND	PLEAK	2006 SWP	1,158	1,377	1,645	1,920	2,281	2,694
FORT BEND	PLEAK	TWDB Rev	1,250	1,490	1,784	2,086	2,482	2,935
FORT BEND	RICHMOND	2006 SWP	12,173	13,305	14,689	16,112	17,978	20,110
FORT BEND	RICHMOND	TWDB Rev	15,891	19,713	24,386	29,191	35,492	42,692
BRAZORIA	RICHWOOD	2006 SWP	3,244	3,486	3,717	3,930	4,156	4,392
BRAZORIA	RICHWOOD	TWDB Rev	3,534	3,798	4,050	4,282	4,528	4,785
MONTGOMERY	ROMAN FOREST	2006 SWP	1,623	1,833	2,244	2,722	3,353	4,085
MONTGOMERY	ROMAN FOREST	TWDB Rev	4,372	6,934	10,035	13,452	17,959	23,194
FORT BEND	ROSENBERG	2006 SWP	28,100	32,305	37,446	42,732	49,665	57,587
FORT BEND	ROSENBERG	TWDB Rev	37,420	48,048	61,043	74,405	91,929	111,953
AUSTIN	SEALY	2006 SWP	5,922	6,562	7,008	7,273	7,400	7,574
AUSTIN	SEALY	TWDB Rev	7,902	10,421	12,178	13,222	13,723	14,410
MONTGOMERY	SHENANDOAH	2006 SWP	1,503	1,503	1,503	1,503	1,503	1,503
MONTGOMERY	SHENANDOAH	TWDB Rev	2,561	3,437	4,497	5,666	7,208	8,998
SAN JACINTO	SHEPHERD	2006 SWP	2,221	2,409	2,560	2,654	2,708	2,733
SAN JACINTO	SHEPHERD	TWDB Rev	2,604	3,168	3,619	3,900	4,063	4,137
FORT BEND	SIMONTON	2006 SWP	719	720	721	722	724	726
FORT BEND	SIMONTON	TWDB Rev	953	1,140	1,369	1,604	1,912	2,264
FORT BEND	SUGAR LAND	2006 SWP	72,500	72,500	72,500	72,500	72,500	72,500
FORT BEND	SUGAR LAND	TWDB Rev	89,427	89,427	89,427	89,427	89,427	89,427
HARRIS	TAYLOR LAKE VILLAGE	2006 SWP	4,004	4,004	4,004	4,004	4,004	4,004
HARRIS	TAYLOR LAKE VILLAGE	TWDB Rev	5,472	5,472	5,472	5,472	5,472	5,472
BRAZORIA	WEST COLUMBIA	2006 SWP	4,158	4,057	3,960	3,871	3,777	3,678
BRAZORIA	WEST COLUMBIA	TWDB Rev	4,404	4,297	4,194	4,100	4,000	3,895
MONTGOMERY	WOODBANCH	2006 SWP	1,305	1,305	1,305	1,305	1,305	1,305
MONTGOMERY	WOODBANCH	TWDB Rev	1,567	1,784	2,047	2,336	2,718	3,161

**Table 2-4**  
**Population by City, Collective Reporting Unit,**  
**Individual Retail Public Utility, and Rural County**

REGION	WATER USER GROUP	COUNTY NAME	P2010	P2020	P2030	P2040	P2050	P2060	Region Split Pop. <sup>1)</sup>	County Split Pop. <sup>2)</sup>
H	BELLVILLE	AUSTIN	5,213	6,560	7,499	8,057	8,325	8,692		
H	COUNTY-OTHER	AUSTIN	11,617	10,771	10,181	9,830	9,661	9,430		
H	SAN FELIPE	AUSTIN	1,106	1,332	1,490	1,584	1,629	1,691		
H	SEALY	AUSTIN	7,902	10,421	12,178	13,222	13,723	14,410		
H	WALLIS	AUSTIN	1,335	1,490	1,598	1,662	1,693	1,735		
		<b>AUSTIN Total</b>	<b>27,173</b>	<b>30,574</b>	<b>32,946</b>	<b>34,355</b>	<b>35,031</b>	<b>35,958</b>		
H	ALVIN	BRAZORIA	23,231	25,123	26,935	28,605	30,375	32,223		
H	ANGLETON	BRAZORIA	19,999	20,900	21,763	22,559	23,402	24,282		
H	BAILEY'S PRAIRIE	BRAZORIA	744	795	844	889	938	988		
H	BRAZORIA	BRAZORIA	3,061	3,127	3,189	3,246	3,307	3,370		
H	BRAZORIA COUNTY MUD #1	BRAZORIA	7,517	11,063	14,458	17,587	20,904	24,368		
H	BRAZORIA COUNTY MUD #2	BRAZORIA	4,857	6,959	8,971	10,826	12,792	14,845		
H	BRAZORIA COUNTY MUD #3	BRAZORIA	4,987	7,340	9,593	11,669	13,870	16,168		
H	BRAZORIA COUNTY MUD #4	BRAZORIA	3,438	3,438	3,438	3,438	3,438	3,438		
H	BRAZORIA COUNTY MUD #5	BRAZORIA	4,743	4,743	4,743	4,743	4,743	4,743		
H	BROOKSIDE VILLAGE	BRAZORIA	2,282	2,618	2,939	3,235	3,549	3,877		
H	CLUTE	BRAZORIA	11,217	12,043	12,834	13,563	14,335	15,141		
H	COUNTY-OTHER	BRAZORIA	58,574	64,427	71,080	77,172	83,666	90,504		
H	DANBURY	BRAZORIA	1,747	1,888	2,023	2,148	2,280	2,418		
H	FREEPORT	BRAZORIA	15,794	19,006	22,082	24,917	27,922	31,059		
H	HILLCREST	BRAZORIA	744	767	789	810	832	855		

REGION	WATER USER GROUP	COUNTY NAME	P2010	P2020	P2030	P2040	P2050	P2060	Region Split Pop. <sup>(1)</sup>	County Split Pop. <sup>(2)</sup>
H	HOLIDAY LAKES	BRAZORIA	1,141	1,189	1,235	1,278	1,323	1,370		
H	IOWA COLONY	BRAZORIA	911	1,022	1,129	1,227	1,331	1,440		
H	JONES CREEK	BRAZORIA	2,130	2,130	2,130	2,130	2,130	2,130		
H	LAKE JACKSON	BRAZORIA	29,383	32,502	35,488	38,241	41,159	44,205		
H	MANVEL	BRAZORIA	4,510	4,510	4,510	4,510	4,510	4,510		
H	ORBIT SYSTEMS INC	BRAZORIA	4,717	5,728	6,696	7,589	8,535	9,523	P	P
H	OYSTER CREEK	BRAZORIA	1,424	1,666	1,897	2,110	2,336	2,572		
H	PEARLAND	BRAZORIA	82,803	104,912	125,037	143,622	163,286	183,764		P
H	RICHWOOD	BRAZORIA	3,534	3,798	4,050	4,282	4,528	4,785		
H	SOUTHWEST UTILITIES	BRAZORIA	632	668	703	735	769	804	P	P
H	SURFSIDE BEACH	BRAZORIA	889	1,020	1,146	1,262	1,385	1,513		
H	SWEENEY	BRAZORIA	3,895	4,177	4,447	4,696	4,960	5,236		
H	VARNER CREEK UD	BRAZORIA	2,341	2,852	3,341	3,792	4,270	4,769		
H	WEST COLUMBIA	BRAZORIA	4,404	4,297	4,194	4,100	4,000	3,895		
		<b>BRAZORIA Total</b>	<b>305,649</b>	<b>354,708</b>	<b>401,684</b>	<b>444,981</b>	<b>490,875</b>	<b>538,795</b>		
H	ANAHUAC	CHAMBERS	2,405	2,623	2,825	3,000	3,178	3,360		
H	BAYTOWN	CHAMBERS	3,754	4,211	4,636	5,004	5,377	5,760		P
H	BEACH CITY	CHAMBERS	2,358	3,153	3,892	4,532	5,182	5,848		
H	COUNTY-OTHER	CHAMBERS	3,788	3,728	3,673	3,627	3,578	3,527		
H	MONT BELVIEU	CHAMBERS	3,224	4,227	5,160	5,968	6,788	7,628		
H	OLD RIVER-WINFREE	CHAMBERS	1,585	1,755	1,913	2,050	2,189	2,331		
H	TRINITY BAY CONSERVATION DISTRICT	CHAMBERS	17,168	21,089	24,739	27,902	31,110	34,396		
		<b>CHAMBERS Total</b>	<b>34,282</b>	<b>40,786</b>	<b>46,838</b>	<b>52,083</b>	<b>57,402</b>	<b>62,850</b>		
H	ARCOLA	FORT BEND	2,500	2,750	3,025	3,328	3,661	4,026		

REGION	WATER USER GROUP	COUNTY NAME	P2010	P2020	P2030	P2040	P2050	P2060	Region Split Pop. <sup>1)</sup>	County Split Pop. <sup>2)</sup>
H	BEASLEY	FORT BEND	701	815	955	1,099	1,288	1,504		
H	COUNTY-OTHER	FORT BEND	21,782	10,481	33,794	91,338	212,962	351,307		
H	FAIRCHILD	FORT BEND	929	1,189	1,507	1,834	2,263	2,754		
H	FIRST COLONY MUD #9	FORT BEND	8,120	8,424	8,728	9,032	9,336	9,640		
H	FORT BEND COUNTY MUD #106	FORT BEND	3,285	3,285	3,285	3,285	3,285	3,285		
H	FORT BEND COUNTY MUD #108	FORT BEND	2,817	2,817	2,817	2,817	2,817	2,817		
H	FORT BEND COUNTY MUD #111	FORT BEND	3,315	3,315	3,315	3,315	3,315	3,315		
H	FORT BEND COUNTY MUD #23	FORT BEND	12,600	18,000	18,000	18,000	18,000	18,000		
H	FORT BEND COUNTY MUD #25	FORT BEND	11,336	16,141	22,016	28,057	35,979	45,032		
H	FORT BEND COUNTY MUD #67	FORT BEND	3,759	3,759	3,759	3,759	3,759	3,759		
H	FORT BEND COUNTY MUD #68	FORT BEND	3,717	3,717	3,717	3,717	3,717	3,717		
H	FORT BEND COUNTY MUD #69	FORT BEND	2,086	2,086	2,086	2,086	2,086	2,086		
H	FORT BEND COUNTY MUD #81	FORT BEND	2,054	2,762	3,628	4,518	5,685	7,019		
H	FULSHEAR	FORT BEND	1,098	1,401	1,772	2,154	2,654	3,226		
H	HOUSTON	FORT BEND	39,890	46,657	54,931	63,439	74,596	87,345		P
H	KATY	FORT BEND	1,548	2,072	2,712	3,370	4,233	5,220		P
H	KENDLETON	FORT BEND	601	775	1,000	1,290	1,664	2,147		
H	MEADOWS	FORT BEND	6,961	6,961	6,961	6,961	6,961	6,961		
H	MISSOURI CITY	FORT BEND	76,758	96,601	115,617	134,918	148,313	179,508		P

REGION	WATER USER GROUP	COUNTY NAME	P2010	P2020	P2030	P2040	P2050	P2060	Region Split Pop. <sup>(1)</sup>	County Split Pop. <sup>(2)</sup>
H	NEEDVILLE	FORT BEND	3,875	4,881	6,111	7,375	9,033	10,928		
H	NFBWA (CRU)	FORT BEND	140,385	238,775	318,353	387,602	444,877	496,345		
H	ORBIT SYSTEMS INC	FORT BEND	163	183	207	232	264	301	P	P
H	PECAN GROVE MUD #1	FORT BEND	12,936	13,245	13,622	14,009	14,518	15,099		
H	PLANTATION MUD	FORT BEND	4,333	4,333	4,333	4,333	4,333	4,333		
H	PLEAK	FORT BEND	1,250	1,490	1,784	2,086	2,482	2,935		
H	RICHMOND	FORT BEND	15,891	19,713	24,386	29,191	35,492	42,692		
H	ROSENBERG	FORT BEND	37,420	48,048	61,043	74,405	91,929	111,953		
H	SIENNA PLANTATION MUD #2	FORT BEND	5,667	6,557	6,557	6,557	6,557	6,557		
H	SIMONTON	FORT BEND	953	1,140	1,369	1,604	1,912	2,264		
H	STAFFORD	FORT BEND	23,026	30,959	40,659	50,633	63,714	78,661		P
H	SUGAR LAND	FORT BEND	83,819	101,422	105,000	105,000	105,000	105,000		
H	WHCRWA (CRU)	FORT BEND	16,944	20,484	23,955	28,223	32,509	36,486		P
		<b>FORT BEND Total</b>	<b>550,121</b>	<b>719,737</b>	<b>893,875</b>	<b>1,090,710</b>	<b>1,348,851</b>	<b>1,643,825</b>		
H	BACLIFF MUD	GALVESTON	7,816	8,509	8,919	9,085	9,209	9,289		
H	BAYOU VISTA	GALVESTON	1,816	1,964	2,052	2,088	2,114	2,131		
H	BOLIVAR PENINSULAR SUD	GALVESTON	4,266	4,622	4,833	4,918	4,982	5,023		
H	CLEAR LAKE SHORES	GALVESTON	1,263	1,313	1,343	1,355	1,364	1,370		
H	COUNTY-OTHER	GALVESTON	8,523	7,429	6,781	6,517	6,322	6,196		
H	DICKINSON	GALVESTON	19,955	22,425	23,888	24,480	24,921	25,208		
H	FRIENDSWOOD	GALVESTON	24,553	27,415	29,110	29,796	30,307	30,639		P
H	GALVESTON	GALVESTON	57,247	57,247	57,247	57,247	57,247	57,247		

REGION	WATER USER GROUP	COUNTY NAME	P2010	P2020	P2030	P2040	P2050	P2060	Region Split Pop. <sup>1)</sup>	County Split Pop. <sup>2)</sup>
H	GALVESTON COUNTY MUD #1	GALVESTON	3,493	4,071	4,413	4,552	4,655	4,722		
H	GALVESTON COUNTY WCID #12	GALVESTON	1,641	1,861	1,992	2,045	2,084	2,110		
H	HITCHCOCK	GALVESTON	6,660	6,897	7,037	7,094	7,136	7,163		
H	JAMAICA BEACH	GALVESTON	1,314	1,520	1,642	1,691	1,728	1,752		
H	KEMAH	GALVESTON	2,985	3,550	3,885	4,021	4,122	4,188		
H	LA MARQUE	GALVESTON	13,682	13,682	13,682	13,682	13,682	13,682		
H	LEAGUE CITY	GALVESTON	53,403	60,392	64,532	66,207	67,454	68,265		P
H	SAN LEON MUD	GALVESTON	6,795	7,481	7,887	8,051	8,173	8,253		
H	SANTA FE	GALVESTON	10,141	10,653	10,956	11,079	11,170	11,229		
H	TEXAS CITY	GALVESTON	41,891	42,211	42,400	42,477	42,534	42,571		
H	TIKI ISLAND	GALVESTON	1,270	1,489	1,619	1,672	1,711	1,736		
		<b>GALVESTON Total</b>	<b>268,714</b>	<b>284,731</b>	<b>294,218</b>	<b>298,057</b>	<b>300,915</b>	<b>302,774</b>		
H	BAYTOWN	HARRIS	69,151	71,168	73,154	75,119	77,072	79,017		P
H	BELLAIRE	HARRIS	17,272	18,859	20,420	21,965	23,500	25,029		
H	BLUE BELL MANOR UTILITY COMPANY	HARRIS	2,592	2,592	2,592	2,592	2,592	2,592		
H	BRITMOORE UTILITIES	HARRIS	2,061	2,444	2,821	3,194	3,565	3,934		
H	BUNKER HILL VILLAGE	HARRIS	3,750	3,750	3,750	3,750	3,750	3,750		
H	CANDLELIGHT HILLS SUBDIVISION	HARRIS	2,213	2,656	3,092	3,523	3,952	4,379		
H	CHCRWA (CRU)	HARRIS	29,950	41,550	41,550	41,550	41,550	41,550		
H	CHIMNEY HILL MUD	HARRIS	6,412	6,412	6,412	6,412	6,412	6,412		

REGION	WATER USER GROUP	COUNTY NAME	P2010	P2020	P2030	P2040	P2050	P2060	Region Split Pop. <sup>(1)</sup>	County Split Pop. <sup>(2)</sup>
H	CLEAR BROOK CITY MUD WOODMEADOWS	HARRIS	10,417	11,852	13,263	14,660	16,048	17,431		
H	CONSUMERS WATER INC	HARRIS	4,243	5,778	7,288	8,782	10,267	11,746		P
H	COUNTY-OTHER	HARRIS	64,311	58,265	117,457	232,249	395,123	566,880		
H	CROSBY MUD	HARRIS	4,734	5,184	5,634	6,084	6,534	6,984		
H	CRYSTAL SPRINGS WATER COMPANY	HARRIS	234	308	381	453	525	596		P
H	DEER PARK	HARRIS	29,513	30,480	31,432	32,374	33,309	34,241		
H	EL DORADO UD	HARRIS	3,350	3,737	4,118	4,495	4,870	5,243		
H	EL LAGO	HARRIS	3,075	3,075	3,075	3,075	3,075	3,075		
H	FOUNTAINVIEW SUBDIVISION	HARRIS	2,984	3,510	4,027	4,539	5,048	5,555		
H	FRIENDSWOOD	HARRIS	7,800	7,800	7,800	7,800	7,800	7,800		P
H	GALENA PARK	HARRIS	11,099	11,592	12,077	12,557	13,034	13,510		
H	GREEN TRAILS MUD	HARRIS	2,694	3,084	3,468	3,848	4,225	4,601		
H	HARRIS COUNTY FWSD #47	HARRIS	4,290	4,290	4,290	4,290	4,290	4,290		
H	HARRIS COUNTY FWSD #51	HARRIS	18,866	18,866	18,866	18,866	18,866	18,866		
H	HARRIS COUNTY FWSD #6	HARRIS	3,722	4,424	5,115	5,799	6,479	7,156		
H	HARRIS COUNTY MUD #11	HARRIS	2,905	3,354	3,796	4,233	4,668	5,101		
H	HARRIS COUNTY MUD #119 INWOOD NORTH	HARRIS	8,079	8,725	8,725	8,725	8,725	8,725		

REGION	WATER USER GROUP	COUNTY NAME	P2010	P2020	P2030	P2040	P2050	P2060	Region Split Pop. <sup>1)</sup>	County Split Pop. <sup>2)</sup>
H	HARRIS COUNTY MUD #132	HARRIS	9,436	11,844	14,212	16,556	18,885	21,206		
H	HARRIS COUNTY MUD #151	HARRIS	7,392	7,392	7,392	7,392	7,392	7,392		
H	HARRIS COUNTY MUD #152	HARRIS	5,956	7,800	9,614	11,410	13,195	14,973		
H	HARRIS COUNTY MUD #153	HARRIS	6,887	9,491	12,053	14,589	17,109	19,619		
H	HARRIS COUNTY MUD #154	HARRIS	6,485	8,141	9,769	11,381	12,983	14,579		
H	HARRIS COUNTY MUD #158	HARRIS	5,487	7,015	7,015	7,015	7,015	7,015		
H	HARRIS COUNTY MUD #180	HARRIS	5,339	6,616	7,872	9,115	10,351	11,582		
H	HARRIS COUNTY MUD #189	HARRIS	6,588	8,169	9,724	11,263	12,792	14,316		
H	HARRIS COUNTY MUD #261	HARRIS	1,374	1,374	1,374	1,374	1,374	1,374		
H	HARRIS COUNTY MUD #345	HARRIS	5,285	5,285	5,285	5,285	5,285	5,285		
H	HARRIS COUNTY MUD #46	HARRIS	6,326	6,326	6,326	6,326	6,326	6,326		
H	HARRIS COUNTY MUD #5	HARRIS	4,062	4,062	4,062	4,062	4,062	4,062		
H	HARRIS COUNTY MUD #50	HARRIS	3,334	3,612	3,885	4,156	4,425	4,693		
H	HARRIS COUNTY MUD #53	HARRIS	17,972	22,637	27,225	31,767	36,281	40,778		
H	HARRIS COUNTY MUD #55	HARRIS	11,556	11,556	11,556	11,556	11,556	11,556		



REGION	WATER USER GROUP	COUNTY NAME	P2010	P2020	P2030	P2040	P2050	P2060	Region Split Pop. <sup>(1)</sup>	County Split Pop. <sup>(2)</sup>
H	HARRIS COUNTY MUD #8	HARRIS	6,225	6,961	7,685	8,402	9,114	9,823		
H	HARRIS COUNTY UD #14	HARRIS	1,699	1,871	2,040	2,208	2,375	2,541		
H	HARRIS COUNTY UD #15	HARRIS	3,259	3,792	4,316	4,835	5,351	5,865		
H	HARRIS COUNTY WCID #1	HARRIS	9,665	11,283	12,874	14,449	16,014	17,573		
H	HARRIS COUNTY WCID #133	HARRIS	4,577	4,652	4,727	4,802	4,877	4,877		
H	HARRIS COUNTY WCID #21	HARRIS	10,120	10,724	11,318	11,906	12,490	13,072		
H	HARRIS COUNTY WCID #36	HARRIS	10,451	11,572	12,674	13,765	14,849	15,929		
H	HARRIS COUNTY WCID #50	HARRIS	4,700	5,284	5,859	6,428	6,993	7,556		
H	HARRIS COUNTY WCID #76	HARRIS	1,788	1,788	1,788	1,788	1,788	1,788		
H	HARRIS COUNTY WCID #84	HARRIS	2,475	2,519	2,562	2,605	2,648	2,691		
H	HEDWIG VILLAGE	HARRIS	2,334	2,334	2,334	2,334	2,334	2,334		
H	HILSHIRE VILLAGE	HARRIS	770	770	770	770	770	770		
H	HOUSTON	HARRIS	2,199,988	2,472,783	2,741,099	3,006,695	3,270,641	3,533,585		P
H	HUMBLE	HARRIS	16,862	19,085	21,272	23,436	25,587	27,730		
H	HUNTERS CREEK VILLAGE	HARRIS	4,755	5,126	5,491	5,852	6,211	6,568		
H	JACINTO CITY	HARRIS	11,171	12,017	12,849	13,673	14,492	15,308		
H	JERSEY VILLAGE	HARRIS	8,742	10,555	12,338	14,103	15,857	17,604		
H	KATY	HARRIS	17,294	21,438	25,513	29,547	33,556	37,550		P
H	LA PORTE	HARRIS	35,467	38,960	42,394	45,794	49,173	52,539		

REGION	WATER USER GROUP	COUNTY NAME	P2010	P2020	P2030	P2040	P2050	P2060	Region Split Pop. <sup>1)</sup>	County Split Pop. <sup>2)</sup>
H	LEAGUE CITY	HARRIS	180	185	190	195	200	205		P
H	LONGHORN TOWN UD	HARRIS	1,907	2,753	3,585	4,409	5,228	6,044		
H	MASON CREEK UD	HARRIS	9,050	9,050	9,050	9,050	9,050	9,050		P
H	MISSOURI CITY	HARRIS	6,887	8,243	9,577	10,898	12,210	13,517		
H	NASSAU BAY	HARRIS	4,170	4,170	4,170	4,170	4,170	4,170		
H	NFBWA (CRU)	HARRIS	6,954	6,824	6,875	7,244	7,469	7,429		
H	NHCRWA (CRU)	HARRIS	602,401	723,186	816,772	868,302	892,569	915,347		
H	NORTH BELT UD	HARRIS	3,916	5,197	6,457	7,705	8,945	10,180		
H	NORTH GREEN MUD	HARRIS	3,503	3,935	4,359	4,779	5,197	5,613		
H	NORTHWEST HARRIS COUNTY MUD #23	HARRIS	4,482	5,700	6,898	8,084	9,262	10,436		
H	NORTHWEST PARK MUD	HARRIS	24,031	29,106	29,992	29,992	29,992	29,992		
H	PARKWAY UD	HARRIS	2,911	2,932	2,953	2,974	2,994	3,014		
H	PASADENA	HARRIS	161,678	181,156	200,314	219,278	238,124	256,898		
H	PEARLAND	HARRIS	3,074	3,606	4,129	4,647	5,161	5,673		P
H	PINE TRAILS UTILITY	HARRIS	6,166	6,763	7,350	7,931	8,508	9,083		
H	PINEY POINT VILLAGE	HARRIS	3,546	3,708	3,867	4,024	4,180	4,336		
H	ROLLING FORK PUD	HARRIS	2,453	2,571	2,689	2,808	2,926	3,044		
H	SEABROOK	HARRIS	11,943	14,377	16,771	19,141	21,496	23,842		
H	SHOREACRES	HARRIS	1,644	1,796	1,945	2,093	2,093	2,093		
H	SOUTH HOUSTON	HARRIS	17,307	18,742	20,153	21,550	22,938	24,321		

REGION	WATER USER GROUP	COUNTY NAME	P2010	P2020	P2030	P2040	P2050	P2060	Region Split Pop. <sup>(1)</sup>	County Split Pop. <sup>(2)</sup>
H	SOUTHSIDE PLACE	HARRIS	1,686	1,822	1,956	2,088	2,220	2,351		
H	SOUTHWEST UTILITIES	HARRIS	6,341	7,321	8,285	9,239	10,187	11,131	P	P
H	SPRING VALLEY	HARRIS	3,810	4,003	4,193	4,381	4,568	4,754		
H	STAFFORD	HARRIS	313	316	319	322	325	328		P
H	SUNBELT FWSD	HARRIS	24,141	28,628	33,041	37,409	41,750	46,075		
H	TAYLOR LAKE VILLAGE	HARRIS	5,472	5,472	5,472	5,472	5,472	5,472		
H	TOMBALL	HARRIS	12,059	15,429	18,150	22,954	26,554	31,650		
H	TRAIL OF THE LAKES MUD	HARRIS	10,970	10,970	10,970	10,970	10,970	10,970		
H	WALLER	HARRIS	586	778	967	1,154	1,340	1,525		P
H	WEBSTER	HARRIS	13,076	16,964	20,788	24,573	28,334	32,081		
H	WEST HARRIS COUNTY MUD #6	HARRIS	3,500	3,500	3,500	3,500	3,500	3,500		
H	WEST UNIVERSITY PL.	HARRIS	15,381	16,520	17,641	18,750	19,852	20,950		
H	WHCRWA (CRU)	HARRIS	317,303	367,954	406,962	434,507	444,915	448,101		P
H	WILLOW RUN SUBDIVISION	HARRIS	3,663	3,663	3,663	3,663	3,663	3,663		
H	WINDFERN FOREST UD	HARRIS	6,584	8,622	8,622	8,622	8,622	8,622		
H	WOODCREEK MUD	HARRIS	3,605	4,784	5,944	7,092	8,233	9,369		
		<b>HARRIS Total</b>	<b>4,078,231</b>	<b>4,629,335</b>	<b>5,180,439</b>	<b>5,731,543</b>	<b>6,282,647</b>	<b>6,833,751</b>		
H	BUFFALO	LEON	2,074	2,345	2,506	2,516	2,501	2,521		
H	CENTERVILLE	LEON	1,002	1,101	1,160	1,164	1,158	1,165		
H	COUNTY-OTHER	LEON	7,981	8,654	9,054	9,079	9,042	9,094		
H	FLO COMMUNITY WSC	LEON	5,335	6,894	7,820	7,878	7,791	7,908	P	P

REGION	WATER USER GROUP	COUNTY NAME	P2010	P2020	P2030	P2040	P2050	P2060	Region Split Pop. <sup>1)</sup>	County Split Pop. <sup>2)</sup>
H	JEWETT	LEON	1,071	1,281	1,405	1,413	1,401	1,417		
H	NORMANGEE	LEON	768	862	918	921	916	923		P
		<b>LEON Total</b>	<b>18,231</b>	<b>21,137</b>	<b>22,863</b>	<b>22,971</b>	<b>22,809</b>	<b>23,028</b>		
H	AMES	LIBERTY	1,338	1,623	1,897	2,165	2,459	2,789		
H	CLEVELAND	LIBERTY	7,930	8,288	8,631	8,967	9,336	9,749		
H	COUNTY-OTHER	LIBERTY	47,092	55,419	63,407	71,232	79,811	89,424		
H	DAISETTA	LIBERTY	1,078	1,127	1,173	1,219	1,268	1,324		
H	DAYTON	LIBERTY	7,491	9,454	11,336	13,180	15,201	17,467		
H	HARDIN	LIBERTY	885	1,028	1,165	1,299	1,446	1,611		
H	HARDIN WSC	LIBERTY	3,184	3,828	4,445	5,050	5,713	6,456		
H	KENEFICK	LIBERTY	824	997	1,163	1,325	1,503	1,702		
H	LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE CO.	LIBERTY	1,670	1,880	2,081	2,278	2,494	2,736	P	P
H	LIBERTY	LIBERTY	8,265	8,520	8,765	9,005	9,268	9,563		
H	MERCY WSC	LIBERTY	404	482	557	630	710	800		P
H	PLUM GROVE	LIBERTY	1,234	1,569	1,890	2,205	2,550	2,937		
H	SOUTHWEST UTILITIES	LIBERTY	123	148	172	196	222	251	P	P
H	WEST HARDIN WSC	LIBERTY	412	535	653	768	894	1,036	P	P
		<b>LIBERTY Total</b>	<b>81,930</b>	<b>94,898</b>	<b>107,335</b>	<b>119,519</b>	<b>132,875</b>	<b>147,845</b>		
H	COUNTY-OTHER	MADISON	9,413	10,092	10,632	11,137	11,584	11,976		
H	MADISONVILLE	MADISON	4,442	4,725	4,951	5,162	5,349	5,512		
H	NORMANGEE	MADISON	50	56	61	65	69	72		P
		<b>MADISON Total</b>	<b>13,905</b>	<b>14,873</b>	<b>15,644</b>	<b>16,364</b>	<b>17,002</b>	<b>17,560</b>		
H	CONROE	MONTGOMERY	59,845	78,924	102,013	127,459	161,024	200,007		

REGION	WATER USER GROUP	COUNTY NAME	P2010	P2020	P2030	P2040	P2050	P2060	Region Split Pop. <sup>(1)</sup>	County Split Pop. <sup>(2)</sup>
H	CONSUMERS WATER INC	MONTGOMERY	2,351	2,673	3,397	4,246	5,368	6,672		P
H	COUNTY-OTHER	MONTGOMERY	166,298	200,411	288,084	392,511	540,106	711,645		
H	CRYSTAL SPRINGS WATER COMPANY	MONTGOMERY	6,670	7,945	10,814	14,182	18,629	23,798		P
H	CUT AND SHOOT	MONTGOMERY	1,515	1,733	2,159	2,655	3,309	4,068		
H	EAST PLANTATION UD	MONTGOMERY	2,398	2,839	3,831	4,995	6,532	8,318		
H	H M W SUD	MONTGOMERY	11,464	12,796	15,791	19,305	23,947	29,342		
H	HOUSTON	MONTGOMERY	1,096	1,486	2,248	3,134	4,303	5,661		P
H	MAGNOLIA	MONTGOMERY	2,151	3,012	4,054	5,203	6,718	8,478		
H	MONTGOMERY	MONTGOMERY	1,200	5,000	7,500	10,000	12,500	15,000		
H	MONTGOMERY COUNTY MUD #18	MONTGOMERY	6,928	8,840	13,139	18,185	24,848	32,592		
H	MONTGOMERY COUNTY MUD #19	MONTGOMERY	3,200	3,200	3,200	3,200	3,200	3,200		
H	MONTGOMERY COUNTY MUD #8	MONTGOMERY	4,060	5,336	6,532	6,967	6,886	6,829		
H	MONTGOMERY COUNTY MUD #9	MONTGOMERY	2,840	3,864	4,968	5,478	5,559	5,616		
H	MONTGOMERY COUNTY UD #2	MONTGOMERY	3,116	3,116	3,116	3,116	3,116	3,116		
H	MONTGOMERY COUNTY UD #3	MONTGOMERY	3,726	3,976	4,537	5,197	6,069	7,081		
H	MONTGOMERY COUNTY UD #4	MONTGOMERY	4,972	4,972	4,972	4,972	4,972	4,972		

REGION	WATER USER GROUP	COUNTY NAME	P2010	P2020	P2030	P2040	P2050	P2060	Region Split Pop. <sup>1)</sup>	County Split Pop. <sup>2)</sup>
H	MONTGOMERY COUNTY WCID #1	MONTGOMERY	4,157	4,448	5,100	5,867	6,879	8,055		
H	NEW CANEY MUD	MONTGOMERY	15,154	17,712	23,465	30,218	39,135	49,499		
H	OAK RIDGE NORTH	MONTGOMERY	3,743	4,202	5,100	6,144	7,521	9,120		
H	PANORAMA VILLAGE	MONTGOMERY	2,160	2,281	2,402	2,523	2,644	2,765		
H	PATTON VILLAGE	MONTGOMERY	1,721	1,923	2,318	2,777	3,382	4,085		
H	POINT AQUARIUS MUD	MONTGOMERY	3,558	4,429	6,388	8,686	11,722	15,250		
H	PORTER WSC	MONTGOMERY	15,087	17,179	21,887	27,412	27,412	27,412		
H	RAYFORD ROAD MUD	MONTGOMERY	18,237	18,237	18,237	18,237	18,237	18,237		
H	RIVER PLANTATION MUD	MONTGOMERY	3,310	3,310	3,310	3,310	3,310	3,310		
H	ROMAN FOREST	MONTGOMERY	4,372	6,934	10,035	13,452	17,959	23,194		
H	SHENANDOAH	MONTGOMERY	5,123	5,999	7,059	8,228	9,770	11,560		
H	SOUTHERN MONTGOMERY COUNTY MUD	MONTGOMERY	11,087	14,196	14,481	15,034	15,213	15,568		
H	SOUTHWEST UTILITIES	MONTGOMERY	2,263	2,582	3,299	4,141	5,253	6,545	P	P
H	SPLENDORA	MONTGOMERY	2,017	2,470	3,356	4,386	5,745	7,323		
H	SPRING CREEK UD	MONTGOMERY	5,326	6,271	8,397	10,892	14,186	18,015		
H	STAGECOACH	MONTGOMERY	626	861	1,185	1,630	2,243	3,086		

REGION	WATER USER GROUP	COUNTY NAME	P2010	P2020	P2030	P2040	P2050	P2060	Region Split Pop. <sup>(1)</sup>	County Split Pop. <sup>(2)</sup>
H	STANLEY LAKE MUD	MONTGOMERY	4,256	5,201	5,201	5,201	5,201	5,201		
H	THE WOODLANDS	MONTGOMERY	60,080	111,470	119,300	119,300	119,300	119,300		
H	WILLIS	MONTGOMERY	5,695	6,739	8,780	11,153	14,283	17,918		
H	WOODBRAINCH	MONTGOMERY	1,567	1,784	2,047	2,336	2,718	3,161		
		<b>MONTGOMERY Total</b>	<b>453,369</b>	<b>588,351</b>	<b>751,702</b>	<b>931,732</b>	<b>1,169,199</b>	<b>1,444,999</b>		
H	COUNTY-OTHER	POLK	11,800	12,789	13,538	14,167	14,984	15,747	P	
H	LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE CO.	POLK	13,706	15,319	16,590	17,577	18,632	19,641	P	P
H	LIVINGSTON	POLK	6,740	8,025	9,061	9,829	10,539	11,232		
H	ONALASKA	POLK	1,562	1,944	2,252	2,480	2,691	2,897		
H	ONALASKA WSC	POLK	3,764	4,029	4,238	4,400	4,573	4,739		
H	TRINITY RURAL WSC	POLK	78	90	100	108	116	124		P
		<b>POLK Total</b>	<b>37,650</b>	<b>42,196</b>	<b>45,779</b>	<b>48,561</b>	<b>51,535</b>	<b>54,380</b>		
H	COLDSRING	SAN JACINTO	826	958	1,064	1,130	1,168	1,186		
H	COUNTY-OTHER	SAN JACINTO	11,185	12,620	13,664	13,758	13,788	13,519		
H	LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE CO.	SAN JACINTO	4,632	5,822	6,773	7,366	7,710	7,866	P	P
H	MERCY WSC	SAN JACINTO	1,820	2,211	2,523	2,718	2,831	2,882		P
H	POINT BLANK	SAN JACINTO	662	763	843	893	922	935		
H	RIVERSIDE WSC	SAN JACINTO	2,017	2,542	3,066	3,950	4,485	5,011		P
H	SAN JACINTO WSC	SAN JACINTO	3,697	4,457	5,065	5,444	5,663	5,763		

REGION	WATER USER GROUP	COUNTY NAME	P2010	P2020	P2030	P2040	P2050	P2060	Region Split Pop. <sup>1)</sup>	County Split Pop. <sup>2)</sup>
H	SHEPHERD	SAN JACINTO	2,604	3,168	3,619	3,900	4,063	4,137		
		<b>SAN JACINTO Total</b>	<b>27,443</b>	<b>32,541</b>	<b>36,617</b>	<b>39,159</b>	<b>40,630</b>	<b>41,299</b>		
H	COUNTY-OTHER	TRINITY	2,866	3,092	3,167	3,129	3,005	2,891	P	
H	GROVETON	TRINITY	630	680	696	688	660	635	P	
H	LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE CO.	TRINITY	1,673	1,805	1,849	1,826	1,754	1,688	P	P
H	TRINITY	TRINITY	3,033	3,273	3,352	3,311	3,180	3,060		
H	TRINITY RURAL WSC	TRINITY	3,369	3,635	3,722	3,677	3,532	3,399		P
		<b>TRINITY Total</b>	<b>11,571</b>	<b>12,485</b>	<b>12,786</b>	<b>12,631</b>	<b>12,131</b>	<b>11,673</b>		
H	CONSOLIDATED WSC	WALKER	100	110	115	113	114	114	P	P
H	COUNTY-OTHER	WALKER	14,072	10,692	11,536	10,062	9,791	9,246		
H	HUNTSVILLE	WALKER	42,888	52,424	54,405	54,405	54,405	54,405		
H	LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE CO.	WALKER	439	484	506	501	502	502	P	P
H	NEW WAVERLY	WALKER	1,087	1,199	1,252	1,239	1,242	1,242		
H	RIVERSIDE WSC	WALKER	4,472	4,612	4,819	5,550	5,985	6,530		P
H	TRINITY RURAL WSC	WALKER	267	294	307	304	305	305		P
H	WALKER COUNTY RURAL WSC	WALKER	7,347	8,100	8,462	8,373	8,393	8,393		
		<b>WALKER Total</b>	<b>70,672</b>	<b>77,915</b>	<b>81,402</b>	<b>80,547</b>	<b>80,737</b>	<b>80,737</b>		
H	BROOKSHIRE	WALLER	4,616	5,997	7,535	9,246	11,284	13,624		
H	COUNTY-OTHER	WALLER	19,737	23,271	27,206	31,585	36,797	42,787		



REGION	WATER USER GROUP	COUNTY NAME	P2010	P2020	P2030	P2040	P2050	P2060	Region Split Pop. <sup>1)</sup>	County Split Pop. <sup>2)</sup>
H	HEMPSTEAD	WALLER	7,389	10,585	14,143	18,102	22,817	28,232		
H	KATY	WALLER	1,462	2,241	3,109	4,074	5,224	6,544		P
H	PINE ISLAND	WALLER	1,102	1,402	1,736	2,107	2,549	3,057		
H	PRAIRIE VIEW	WALLER	4,780	5,217	5,704	6,247	6,893	7,634		
H	WALLER	WALLER	2,051	2,462	2,919	3,428	4,034	4,730		P
		<b>WALLER Total</b>	<b>41,137</b>	<b>51,175</b>	<b>62,352</b>	<b>74,789</b>	<b>89,598</b>	<b>106,608</b>		
		<b>REGION H TOTAL</b>	<b>6,020,078</b>	<b>7,001,144</b>	<b>7,986,480</b>	<b>8,998,002</b>	<b>10,132,237</b>	<b>11,346,082</b>		

1) If "P" is present in this column, the Water User Group (WUG) is located in more than one Region and the projections listed in the row represent only the WUG's population projections within that particular Region, not the WUG's total population projections. If the "P" is present for a county total entry, then the county has been split by Regional boundaries and the projections listed in the row represent only the county's populations within the particular Region, not the county's total population projections.

2) If "P" is present in this column, the Water User Group (WUG) is located in more than one county and the projections listed in the row represent only the WUG's population projections within that particular county, not the WUG's total population projections.

Projections last updated 06/09/2009

**Table 2-5  
Water Demand by City and Category**

WUG Name	WUG Basin	WUG County	WUG ID	Water Demand (acre-feet/year)						
				2010	2020	2030	2040	2050	2060	
BELLVILLE	BRAZOS	AUSTIN	080048000	1,192	1,477	1,664	1,760	1,810	1,889	
COUNTY-OTHER	BRAZOS	AUSTIN	080757008	1,047	871	762	692	659	624	
COUNTY-OTHER	BRAZOS-COLORADO	AUSTIN	080757008	281	307	326	334	338	347	
COUNTY-OTHER	COLORADO	AUSTIN	080757008	26	29	31	31	32	33	
IRRIGATION	BRAZOS	AUSTIN	081004008	743	743	743	743	743	743	
IRRIGATION	BRAZOS-COLORADO	AUSTIN	081004008	9,874	9,874	9,874	9,874	9,874	9,874	
LIVESTOCK	BRAZOS	AUSTIN	081005008	1,211	1,211	1,211	1,211	1,211	1,211	
LIVESTOCK	BRAZOS-COLORADO	AUSTIN	081005008	339	339	339	339	339	339	
LIVESTOCK	COLORADO	AUSTIN	081005008	65	65	65	65	65	65	
MANUFACTURING	BRAZOS	AUSTIN	081001008	172	191	208	223	236	257	
MANUFACTURING	BRAZOS-COLORADO	AUSTIN	081001008	38	42	45	49	52	56	
MINING	BRAZOS	AUSTIN	081003008	40	44	47	49	51	53	
MINING	BRAZOS-COLORADO	AUSTIN	081003008	4	4	4	4	5	5	
MINING	COLORADO	AUSTIN	081003008	7	8	8	9	9	9	
SAN FELIPE	BRAZOS	AUSTIN	080954000	124	145	159	167	170	176	
SEALY	BRAZOS	AUSTIN	080549000	1,275	1,635	1,883	2,000	2,060	2,163	
WALLIS	BRAZOS-COLORADO	AUSTIN	080630000	178	194	202	207	209	214	
ALVIN	SAN JACINTO-BRAZOS	BRAZORIA	080013000	3,123	3,293	3,440	3,557	3,743	3,970	
ANGLETON	SAN JACINTO-BRAZOS	BRAZORIA	080018000	2,218	2,225	2,243	2,249	2,307	2,394	
BAILEY'S PRAIRIE	BRAZOS	BRAZORIA	080817000	15	15	15	16	17	17	
BAILEY'S PRAIRIE	SAN JACINTO-BRAZOS	BRAZORIA	080817000	75	78	80	82	85	90	
BRAZORIA	BRAZOS	BRAZORIA	084034000	74	73	72	70	70	71	
BRAZORIA	BRAZOS-COLORADO	BRAZORIA	084034000	229	226	222	215	216	220	
BRAZORIA COUNTY MUD #1	SAN JACINTO-BRAZOS	BRAZORIA	084027000	842	1,214	1,587	1,911	2,271	2,648	
BRAZORIA COUNTY MUD #2	BRAZOS	BRAZORIA	084031000	1,115	1,590	2,050	2,462	2,909	3,376	
BRAZORIA COUNTY MUD #3	SAN JACINTO-BRAZOS	BRAZORIA	084032000	603	872	1,139	1,372	1,631	1,902	
BRAZORIA COUNTY MUD #4	SAN JACINTO-BRAZOS	BRAZORIA	084033000	578	570	562	558	558	558	
BRAZORIA COUNTY MUD #5	SAN JACINTO-BRAZOS	BRAZORIA	084034000	680	669	659	653	653	653	
BROOKSIDE VILLAGE	SAN JACINTO-BRAZOS	BRAZORIA	080078000	266	296	323	348	378	413	
CLUTE	SAN JACINTO-BRAZOS	BRAZORIA	080118000	1,181	1,214	1,265	1,291	1,349	1,425	
COUNTY-OTHER	BRAZOS	BRAZORIA	080757020	126	131	138	143	151	160	
COUNTY-OTHER	BRAZOS-COLORADO	BRAZORIA	080757020	4,237	4,492	4,749	4,965	5,218	5,517	
COUNTY-OTHER	SAN JACINTO-BRAZOS	BRAZORIA	080757020	10,073	11,038	12,233	13,230	14,407	15,715	
DANBURY	SAN JACINTO-BRAZOS	BRAZORIA	080693000	211	222	231	238	250	265	
FREEPORT	BRAZOS	BRAZORIA	080217000	140	135	132	130	129	129	
FREEPORT	SAN JACINTO-BRAZOS	BRAZORIA	080217000	1,752	2,057	2,366	2,633	2,936	3,281	
HILLCREST	SAN JACINTO-BRAZOS	BRAZORIA	080881000	125	126	126	127	130	133	

WUG Name	WUG Basin	WUG County	WUG ID	Water Demand (acre-feet/year)					
				2010	2020	2030	2040	2050	2060
HOLIDAY LAKES	SAN JACINTO-BRAZOS	BRAZORIA	080779000	92	91	90	89	90	94
IOWA COLONY	SAN JACINTO-BRAZOS	BRAZORIA	080885000	108	118	126	135	145	156
IRRIGATION	BRAZOS	BRAZORIA	081004020	4,186	3,816	3,675	3,589	3,589	3,589
IRRIGATION	BRAZOS-COLORADO	BRAZORIA	081004020	5,536	5,048	4,860	4,747	4,747	4,747
IRRIGATION	SAN JACINTO-BRAZOS	BRAZORIA	081004020	125,311	114,251	110,009	107,452	107,452	107,452
JONES CREEK	BRAZOS-COLORADO	BRAZORIA	080308000	98	91	84	76	72	72
LAKE JACKSON	SAN JACINTO-BRAZOS	BRAZORIA	080338000	4,015	4,332	4,611	4,883	5,210	5,595
LIVESTOCK	BRAZOS	BRAZORIA	081005020	242	242	242	242	242	242
LIVESTOCK	BRAZOS-COLORADO	BRAZORIA	081005020	404	404	404	404	404	404
LIVESTOCK	SAN JACINTO-BRAZOS	BRAZORIA	081005020	968	968	968	968	968	968
MANUFACTURING	BRAZOS	BRAZORIA	081001020	216,824	238,749	258,151	277,737	295,021	315,974
MANUFACTURING	BRAZOS-COLORADO	BRAZORIA	081001020	1,184	1,304	1,410	1,517	1,611	1,726
MANUFACTURING	SAN JACINTO-BRAZOS	BRAZORIA	081001020	42,231	46,501	50,280	54,094	57,461	61,541
MANVEL	SAN JACINTO-BRAZOS	BRAZORIA	080721000	526	511	496	480	470	470
MINING	BRAZOS	BRAZORIA	081003020	307	337	354	372	389	405
MINING	BRAZOS-COLORADO	BRAZORIA	081003020	2,852	3,128	3,292	3,452	3,614	3,766
MINING	SAN JACINTO-BRAZOS	BRAZORIA	081003020	945	1,037	1,091	1,145	1,198	1,248
ORBIT SYSTEMS INC	BRAZOS-COLORADO	BRAZORIA	084294000	47	55	63	71	79	88
ORBIT SYSTEMS INC	SAN JACINTO-BRAZOS	BRAZORIA	084294000	386	451	514	575	638	712
OYSTER CREEK	SAN JACINTO-BRAZOS	BRAZORIA	080730000	166	188	210	229	251	277
PEARLAND	SAN JACINTO-BRAZOS	BRAZORIA	080457000	11,965	14,925	17,508	19,949	22,681	25,525
RICHWOOD	SAN JACINTO-BRAZOS	BRAZORIA	080501000	341	354	363	370	386	408
SOUTHWEST UTILITIES	SAN JACINTO-BRAZOS	BRAZORIA	084343000	71	73	75	77	79	83
SURFSIDE BEACH	BRAZOS	BRAZORIA	080967000	168	189	209	228	248	271
SWEENEY	BRAZOS-COLORADO	BRAZORIA	080590000	606	636	663	684	717	757
VARNER CREEK UD	BRAZOS	BRAZORIA	084370000	359	428	494	556	622	694
WEST COLUMBIA	BRAZOS	BRAZORIA	080640000	481	457	434	413	395	385
WEST COLUMBIA	BRAZOS-COLORADO	BRAZORIA	080640000	92	88	84	79	76	74
ANAHUAC	NECHES-TRINITY	CHAMBERS	080015000	274	292	307	318	334	353
ANAHUAC	TRINITY	CHAMBERS	080015000	79	84	89	92	97	102
BAYTOWN	TRINITY-SAN JACINTO	CHAMBERS	080042000	606	661	712	752	802	859
BEACH CITY	TRINITY	CHAMBERS	080822000	39	51	62	72	82	93
BEACH CITY	TRINITY-SAN JACINTO	CHAMBERS	080822000	275	362	439	507	580	654
COUNTY-OTHER	NECHES-TRINITY	CHAMBERS	080757036	50	48	46	44	43	42
COUNTY-OTHER	TRINITY	CHAMBERS	080757036	251	240	230	220	213	210
COUNTY-OTHER	TRINITY-SAN JACINTO	CHAMBERS	080757036	162	155	148	142	137	135
IRRIGATION	NECHES-TRINITY	CHAMBERS	081004036	83,269	83,269	83,269	83,269	83,269	83,269
IRRIGATION	TRINITY	CHAMBERS	081004036	32,741	32,741	32,741	32,741	32,741	32,741
IRRIGATION	TRINITY-SAN JACINTO	CHAMBERS	081004036	1,767	1,767	1,767	1,767	1,767	1,767
LIVESTOCK	NECHES-TRINITY	CHAMBERS	081005036	333	333	333	333	333	333

WUG Name	WUG Basin	WUG County	WUG ID	Water Demand (acre-feet/year)					
				2010	2020	2030	2040	2050	2060
LIVESTOCK	TRINITY	CHAMBERS	081005036	60	60	60	60	60	60
LIVESTOCK	TRINITY-SAN JACINTO	CHAMBERS	081005036	69	69	69	69	69	69
MANUFACTURING	TRINITY-SAN JACINTO	CHAMBERS	081001036	11,802	12,959	13,987	15,014	15,932	17,122
MINING	NECHES-TRINITY	CHAMBERS	081003036	639	692	725	756	788	816
MINING	TRINITY	CHAMBERS	081003036	28,240	30,587	32,017	33,420	34,811	36,027
MINING	TRINITY-SAN JACINTO	CHAMBERS	081003036	8,543	9,253	9,685	10,110	10,531	10,899
MONT BELVIEU	TRINITY	CHAMBERS	080413000	669	870	1,055	1,215	1,382	1,553
MONT BELVIEU	TRINITY-SAN JACINTO	CHAMBERS	080413000	314	408	494	570	648	728
OLD RIVER-WINFREE	TRINITY	CHAMBERS	080727000	208	225	238	248	263	280
STEAM ELECTRIC POWER	TRINITY-SAN JACINTO	CHAMBERS	081002036	4,435	3,536	4,134	4,863	5,751	6,834
TRINITY BAY CONSERVATION DISTRICT	NECHES-TRINITY	CHAMBERS	084355000	1,412	1,686	1,940	2,167	2,392	2,644
TRINITY BAY CONSERVATION DISTRICT	TRINITY	CHAMBERS	084355000	646	772	888	991	1,094	1,210
ARCOLA	SAN JACINTO-BRAZOS	FORT BEND	080998000	403	434	474	514	566	622
BEASLEY	BRAZOS	FORT BEND	081012000	8	9	10	12	14	16
BEASLEY	BRAZOS-COLORADO	FORT BEND	081012000	84	95	108	122	142	166
COUNTY-OTHER	BRAZOS	FORT BEND	080757079	2,728	1,102	4,855	9,655	19,248	30,655
COUNTY-OTHER	BRAZOS-COLORADO	FORT BEND	080757079	221	67	177	235	313	334
COUNTY-OTHER	SAN JACINTO	FORT BEND	080757079	114	93	117	618	1,914	3,386
COUNTY-OTHER	SAN JACINTO-BRAZOS	FORT BEND	080757079	502	463	372	4,110	12,370	21,545
FAIRCHILDS	BRAZOS	FORT BEND	081019000	406	515	650	787	971	1,182
FIRST COLONY MUD #9	BRAZOS	FORT BEND	084113000	1,392	1,425	1,467	1,508	1,559	1,609
FORT BEND COUNTY MUD #106	BRAZOS	FORT BEND	084117000	968	960	960	957	957	957
FORT BEND COUNTY MUD #108	BRAZOS	FORT BEND	084118000	587	577	574	571	571	571
FORT BEND COUNTY MUD #111	BRAZOS	FORT BEND	084119000	780	772	772	769	769	769
FORT BEND COUNTY MUD #23	SAN JACINTO-BRAZOS	FORT BEND	084119000	1,426	2,018	2,016	2,016	2,017	2,017
FORT BEND COUNTY MUD #25	SAN JACINTO-BRAZOS	FORT BEND	084122000	1,587	2,224	3,009	3,803	4,877	6,104
FORT BEND COUNTY MUD #67	BRAZOS	FORT BEND	084126000	830	821	816	813	813	813
FORT BEND COUNTY MUD #68	BRAZOS	FORT BEND	084127000	604	600	600	600	600	600
FORT BEND COUNTY MUD #69	BRAZOS	FORT BEND	084128000	479	479	477	477	477	477
FORT BEND COUNTY MUD #81	BRAZOS	FORT BEND	084129000	773	1,033	1,349	1,675	2,108	2,602
FULSHEAR	BRAZOS	FORT BEND	080869000	211	267	335	404	496	603
FULSHEAR	SAN JACINTO-BRAZOS	FORT BEND	080869000	138	174	219	264	323	394
HOUSTON	SAN JACINTO	FORT BEND	080285000	4,068	4,667	5,386	6,136	7,166	8,391
HOUSTON	SAN JACINTO-BRAZOS	FORT BEND	080285000	2,857	3,277	3,782	4,310	5,033	5,893
IRRIGATION	BRAZOS	FORT BEND	081004079	17,907	17,907	17,907	17,907	17,907	17,907
IRRIGATION	BRAZOS-COLORADO	FORT BEND	081004079	18,869	18,869	18,869	18,869	18,869	18,869
IRRIGATION	SAN JACINTO	FORT BEND	081004079	7,538	7,538	7,538	7,538	7,538	7,538
IRRIGATION	SAN JACINTO-BRAZOS	FORT BEND	081004079	9,141	9,141	9,141	9,141	9,141	9,141

WUG Name	WUG Basin	WUG County	WUG ID	Water Demand (acre-feet/year)					
				2010	2020	2030	2040	2050	2060
KATY	SAN JACINTO	FORT BEND	080312000	287	374	484	597	745	919
KENDLETON	BRAZOS-COLORADO	FORT BEND		151	194	251	324	418	539
LIVESTOCK	BRAZOS	FORT BEND	081005079	691	691	691	691	691	691
LIVESTOCK	BRAZOS-COLORADO	FORT BEND	081005079	211	211	211	211	211	211
LIVESTOCK	SAN JACINTO	FORT BEND	081005079	70	70	70	70	70	70
LIVESTOCK	SAN JACINTO-BRAZOS	FORT BEND	081005079	199	199	199	199	199	199
MANUFACTURING	BRAZOS	FORT BEND	081001079	1,235	1,296	1,344	1,383	1,409	1,334
MANUFACTURING	SAN JACINTO	FORT BEND	081001079	1,979	2,076	2,154	2,216	2,258	2,137
MANUFACTURING	SAN JACINTO-BRAZOS	FORT BEND	081001079	3,649	3,827	3,970	4,086	4,162	3,939
MEADOWS	SAN JACINTO	FORT BEND	080792000	1,887	1,859	1,838	1,817	1,809	1,809
MEADOWS	SAN JACINTO-BRAZOS	FORT BEND	080792000	188	185	183	181	180	180
MINING	BRAZOS	FORT BEND	081003079	618	630	638	644	651	656
MINING	BRAZOS-COLORADO	FORT BEND	081003079	140	144	144	146	147	149
MINING	SAN JACINTO	FORT BEND	081003079	280	285	289	292	295	297
MINING	SAN JACINTO-BRAZOS	FORT BEND	081003079	1,972	2,011	2,034	2,056	2,076	2,094
MISSOURI CITY	BRAZOS	FORT BEND	080409000	315	390	466	545	603	733
MISSOURI CITY	SAN JACINTO	FORT BEND	080409000	2,577	3,195	3,817	4,460	4,938	6,004
MISSOURI CITY	SAN JACINTO-BRAZOS	FORT BEND	080409000	11,664	14,464	17,280	20,186	22,351	27,175
NEEDVILLE	BRAZOS	FORT BEND	080428000	207	250	304	359	436	527
NEEDVILLE	BRAZOS-COLORADO	FORT BEND	080428000	250	303	368	435	527	637
NFBWA	BRAZOS	FORT BEND		1,295	2,064	3,050	4,195	5,963	8,180
NFBWA	SAN JACINTO	FORT BEND		18,990	25,343	30,378	33,901	34,839	34,633
NFBWA	SAN JACINTO-BRAZOS	FORT BEND		12,739	27,399	38,659	48,881	58,080	66,749
ORBIT SYSTEMS INC	SAN JACINTO-BRAZOS	FORT BEND	084294000	15	16	18	20	22	25
PECAN GROVE MUD #1	BRAZOS	FORT BEND	084299000	2,301	2,321	2,339	2,368	2,441	2,539
PECAN GROVE MUD #1	SAN JACINTO-BRAZOS	FORT BEND	084299000	612	617	622	629	649	675
PLANTATION MUD	SAN JACINTO-BRAZOS	FORT BEND	084303000	573	554	544	534	530	530
PLEAK	BRAZOS	FORT BEND	081053000	547	646	770	895	1,063	1,256
RICHMOND	BRAZOS	FORT BEND	080500000	2,252	2,324	2,764	3,189	3,915	4,717
ROSENBERG	BRAZOS	FORT BEND	080518000	5,156	6,405	7,932	9,502	11,637	14,171
SIENNA PLANTATION MUD #2	SAN JACINTO-BRAZOS	FORT BEND	084334000	1,061	1,212	1,212	1,205	1,205	1,205
SIMONTON	BRAZOS	FORT BEND	081062000	419	497	592	689	816	967
STAFFORD	SAN JACINTO	FORT BEND	080577000	333	434	552	677	852	1,062
STAFFORD	SAN JACINTO-BRAZOS	FORT BEND	080577000	1,395	1,820	2,317	2,839	3,573	4,411
STEAM ELECTRIC POWER	BRAZOS	FORT BEND	081002079	66,026	68,046	79,553	93,582	110,662	131,527
SUGAR LAND	BRAZOS	FORT BEND	080585000	8,223	9,859	10,111	10,063	10,063	10,063
SUGAR LAND	SAN JACINTO	FORT BEND	080585000	824	987	1,013	1,008	1,008	1,008
SUGAR LAND	SAN JACINTO-BRAZOS	FORT BEND	080585000	11,234	13,468	13,813	13,747	13,747	13,747
WHCRWA	SAN JACINTO	FORT BEND	088002000	3,208	3,771	4,350	5,089	5,819	6,532
BACLIFF MUD	SAN JACINTO-BRAZOS	GALVESTON	084012000	552	572	569	560	557	562

WUG Name	WUG Basin	WUG County	WUG ID	Water Demand (acre-feet/year)					
				2010	2020	2030	2040	2050	2060
BAYOU VISTA	SAN JACINTO-BRAZOS	GALVESTON	080759000	429	458	471	475	478	482
BOLIVAR PENINSULAR SUD	NECHES-TRINITY	GALVESTON	084027000	1,123	1,201	1,240	1,251	1,261	1,272
CLEAR LAKE SHORES	SAN JACINTO-BRAZOS	GALVESTON	080764000	282	287	289	287	287	289
COUNTY-OTHER	NECHES-TRINITY	GALVESTON	080757084	0	0	1	0	0	1
COUNTY-OTHER	SAN JACINTO-BRAZOS	GALVESTON	080757084	1,098	948	850	795	764	749
DICKINSON	SAN JACINTO-BRAZOS	GALVESTON	080165000	3,085	3,416	3,586	3,620	3,657	3,699
FRIENDSWOOD	SAN JACINTO-BRAZOS	GALVESTON	080219000	3,245	3,532	3,652	3,638	3,666	3,707
GALVESTON	SAN JACINTO-BRAZOS	GALVESTON	084136000	16,095	15,903	15,711	15,518	15,390	15,390
GALVESTON COUNTY MUD #1	SAN JACINTO-BRAZOS	GALVESTON	084135000	426	483	514	525	532	540
GALVESTON COUNTY WCID #12	SAN JACINTO-BRAZOS	GALVESTON	084136000	267	296	312	316	320	324
HITCHCOCK	SAN JACINTO-BRAZOS	GALVESTON	080279000	933	935	930	914	911	915
IRRIGATION	SAN JACINTO-BRAZOS	GALVESTON	081004084	10,342	10,342	10,342	10,342	10,342	10,342
JAMAICA BEACH	SAN JACINTO-BRAZOS	GALVESTON	080886000	300	344	368	377	383	389
KEMAH	SAN JACINTO-BRAZOS	GALVESTON	080316000	278	322	348	356	360	366
LA MARQUE	SAN JACINTO-BRAZOS	GALVESTON	080342000	2,161	2,115	2,069	2,023	1,992	1,992
LEAGUE CITY	SAN JACINTO-BRAZOS	GALVESTON	080350000	7,477	8,253	8,674	8,751	8,840	8,947
LIVESTOCK	NECHES-TRINITY	GALVESTON	081005084	16	16	16	16	16	16
LIVESTOCK	SAN JACINTO-BRAZOS	GALVESTON	081005084	309	309	309	309	309	309
MANUFACTURING	SAN JACINTO-BRAZOS	GALVESTON	081001084	41,005	44,330	47,046	49,692	51,967	55,491
MINING	NECHES-TRINITY	GALVESTON	081003084	136	143	147	150	154	158
MINING	SAN JACINTO-BRAZOS	GALVESTON	081003084	129	136	139	143	146	149
SAN LEON MUD	SAN JACINTO-BRAZOS	GALVESTON	084329000	632	670	680	676	677	684
SANTA FE	SAN JACINTO-BRAZOS	GALVESTON	080743000	988	990	982	966	951	956
STEM ELECTRIC POWER	SAN JACINTO-BRAZOS	GALVESTON	081002084	5,034	4,013	4,692	5,519	6,528	7,757
TEXAS CITY	SAN JACINTO-BRAZOS	GALVESTON	080602000	6,476	6,383	6,269	6,138	6,051	6,056
TIKI ISLAND	SAN JACINTO-BRAZOS	GALVESTON	080973000	243	282	303	311	316	321
BAYTOWN	SAN JACINTO	HARRIS	080042000	624	625	628	631	643	659
BAYTOWN	TRINITY-SAN JACINTO	HARRIS	080042000	10,531	10,537	10,599	10,645	10,841	11,114
BELLAIRE	SAN JACINTO	HARRIS	080046000	3,734	3,993	4,254	4,527	4,817	5,131
BLUE BELL MANOR UTILITY COMPANY	SAN JACINTO	HARRIS	084026000	572	563	555	546	540	540
BRITMOORE UTILITIES	SAN JACINTO	HARRIS	084036000	471	550	626	705	783	864
BUNKER HILL VILLAGE	SAN JACINTO	HARRIS	080085000	1,504	1,491	1,479	1,466	1,462	1,462
CANDLELIGHT HILLS SUBDIVISION	SAN JACINTO	HARRIS	084043000	451	530	610	691	770	853
CHGRWA	SAN JACINTO	HARRIS	084053000	4,637	6,433	6,433	6,433	6,433	6,433
CHIMNEY HILL MUD	SAN JACINTO	HARRIS	084053000	668	646	625	618	611	611
CLEAR BROOK CITY MUD	SAN JACINTO	HARRIS	084063000	1,003	1,089	1,189	1,281	1,384	1,503
WOODMEADOWS	SAN JACINTO	HARRIS	084072000	399	524	653	767	897	1,026
CONSUMERS WATER INC	SAN JACINTO	HARRIS	084072000	399	524	653	767	897	1,026

WUG Name	WUG Basin	WUG County	WUG ID	Water Demand (acre-feet/year)					
				2010	2020	2030	2040	2050	2060
COUNTY-OTHER	SAN JACINTO	HARRIS	080757101	6,030	5,971	14,834	34,063	60,356	88,146
COUNTY-OTHER	SAN JACINTO-BRAZOS	HARRIS	080757101	2,621	2,045	2,512	2,030	1,966	2,014
COUNTY-OTHER	TRINITY-SAN JACINTO	HARRIS	080757101	2,373	1,776	1,997	1,370	969	645
CROSBY MUD	SAN JACINTO	HARRIS	084078000	897	964	1,028	1,091	1,157	1,237
CRYSTAL SPRINGS WATER COMPANY	SAN JACINTO	HARRIS	084081000	21	27	33	39	45	51
DEER PARK	SAN JACINTO	HARRIS	080154000	1,723	1,725	1,737	1,746	1,782	1,832
DEER PARK	SAN JACINTO-BRAZOS	HARRIS	080154000	2,641	2,645	2,664	2,678	2,732	2,809
EL DORADO UD	SAN JACINTO	HARRIS	084101000	465	507	544	584	627	675
EL LAGO	SAN JACINTO-BRAZOS	HARRIS	080695000	534	524	513	503	496	496
FOUNTAINVIEW SUBDIVISION	SAN JACINTO	HARRIS	084132000	341	389	438	483	532	585
FRIENDSWOOD	SAN JACINTO-BRAZOS	HARRIS	080219000	1,031	1,005	979	952	944	944
GALENA PARK	SAN JACINTO	HARRIS	080226000	1,231	1,234	1,245	1,252	1,285	1,332
GREEN TRAILS MUD	SAN JACINTO	HARRIS	084143000	917	1,036	1,158	1,276	1,396	1,520
HARRIS COUNTY FWSD #47	SAN JACINTO	HARRIS	084149000	423	408	394	380	370	370
HARRIS COUNTY FWSD #51	SAN JACINTO	HARRIS	084150000	2,536	2,473	2,451	2,409	2,409	2,409
HARRIS COUNTY FWSD #6	SAN JACINTO	HARRIS	084151000	346	396	441	494	544	601
HARRIS COUNTY MUD #11	SAN JACINTO	HARRIS	084153000	417	470	523	574	627	686
HARRIS COUNTY MUD #119 INWOOD NORTH	SAN JACINTO	HARRIS	084151000	878	919	899	880	870	870
HARRIS COUNTY MUD #132	SAN JACINTO	HARRIS	084157000	1,755	2,176	2,579	2,986	3,385	3,801
HARRIS COUNTY MUD #151	SAN JACINTO	HARRIS	084159000	1,275	1,267	1,259	1,250	1,250	1,250
HARRIS COUNTY MUD #152	SAN JACINTO	HARRIS	084160000	787	1,014	1,228	1,444	1,670	1,895
HARRIS COUNTY MUD #153	SAN JACINTO	HARRIS	084161000	1,227	1,669	2,106	2,533	2,971	3,406
HARRIS COUNTY MUD #154	SAN JACINTO	HARRIS	084162000	676	830	974	1,122	1,265	1,421
HARRIS COUNTY MUD #158	SAN JACINTO	HARRIS	084165000	486	597	589	574	574	574
HARRIS COUNTY MUD #180	SAN JACINTO	HARRIS	084170000	616	741	864	990	1,113	1,245
HARRIS COUNTY MUD #189	SAN JACINTO	HARRIS	084174000	804	970	1,133	1,299	1,462	1,636
HARRIS COUNTY MUD #261	SAN JACINTO	HARRIS	084179000	870	867	867	865	865	865
HARRIS COUNTY MUD #345	SAN JACINTO	HARRIS	084182000	1,415	1,403	1,403	1,397	1,397	1,397
HARRIS COUNTY MUD #46	SAN JACINTO	HARRIS	084183000	836	822	808	801	801	801
HARRIS COUNTY MUD #5	SAN JACINTO	HARRIS	084187000	655	642	628	614	605	605
HARRIS COUNTY MUD #50	SAN JACINTO	HARRIS	084185000	620	655	696	731	773	820
HARRIS COUNTY MUD #53	SAN JACINTO	HARRIS	084186000	1,933	2,384	2,806	3,238	3,658	4,111
HARRIS COUNTY MUD #55	SAN JACINTO-BRAZOS	HARRIS	084187000	1,502	1,463	1,424	1,385	1,359	1,359
HARRIS COUNTY MUD #8	SAN JACINTO	HARRIS	084189000	697	756	809	866	929	1,001
HARRIS COUNTY UD #14	SAN JACINTO	HARRIS	084190000	582	635	686	737	790	845
HARRIS COUNTY UD #15	SAN JACINTO	HARRIS	084191000	427	484	541	596	653	716
HARRIS COUNTY WCID #1	SAN JACINTO	HARRIS	084195000	1,115	1,264	1,413	1,554	1,704	1,870
HARRIS COUNTY WCID #133	SAN JACINTO	HARRIS	084195000	754	750	747	737	743	743

WUG Name	WUG Basin	WUG County	WUG ID	Water Demand (acre-feet/year)					
				2010	2020	2030	2040	2050	2060
HARRIS COUNTY WCID #21	SAN JACINTO	HARRIS	084196000	1,417	1,466	1,509	1,547	1,609	1,684
HARRIS COUNTY WCID #36	SAN JACINTO	HARRIS	084197000	1,346	1,452	1,547	1,650	1,763	1,891
HARRIS COUNTY WCID #50	SAN JACINTO	HARRIS	084198000	605	663	715	770	830	897
HARRIS COUNTY WCID #76	SAN JACINTO	HARRIS	084199000	296	290	284	278	274	274
HARRIS COUNTY WCID #84	SAN JACINTO	HARRIS	084200000	602	604	606	604	611	621
HEDWIG VILLAGE	SAN JACINTO	HARRIS	080269000	831	824	816	808	803	803
HILSHIRE VILLAGE	SAN JACINTO	HARRIS	081025000	191	188	185	183	182	182
HOUSTON	SAN JACINTO	HARRIS	080285000	361,804	398,796	433,343	468,951	506,649	547,381
HOUSTON	SAN JACINTO-BRAZOS	HARRIS	080285000	20,163	22,225	24,150	26,134	28,235	30,505
HUMBLE	SAN JACINTO	HARRIS	080289000	3,664	4,062	4,456	4,857	5,274	5,715
HUNTERS CREEK VILLAGE	SAN JACINTO	HARRIS	080290000	1,747	1,866	1,981	2,091	2,212	2,340
IRRIGATION	SAN JACINTO	HARRIS	081004101	9,883	9,883	9,883	9,883	9,883	9,883
IRRIGATION	TRINITY-SAN JACINTO	HARRIS	081004101	5,417	5,417	5,417	5,417	5,417	5,417
JACINTO CITY	SAN JACINTO	HARRIS	080301000	1,301	1,346	1,410	1,455	1,526	1,612
JERSEY VILLAGE	SAN JACINTO	HARRIS	080709000	1,586	1,880	2,170	2,464	2,753	3,056
KATY	SAN JACINTO	HARRIS	080312000	3,197	3,867	4,544	5,230	5,902	6,604
LA PORTE	SAN JACINTO	HARRIS	080346000	287	306	328	346	369	394
LA PORTE	SAN JACINTO-BRAZOS	HARRIS	080346000	5,036	5,367	5,750	6,066	6,461	6,904
LEAGUE CITY	SAN JACINTO-BRAZOS	HARRIS	080350000	26	26	26	26	27	27
LIVESTOCK	SAN JACINTO	HARRIS	081005101	951	951	951	951	951	951
LIVESTOCK	SAN JACINTO-BRAZOS	HARRIS	081005101	91	91	91	91	91	91
LIVESTOCK	TRINITY-SAN JACINTO	HARRIS	081005101	91	91	91	91	91	91
LONGHORN TOWN UD	SAN JACINTO	HARRIS	084235000	596	857	1,112	1,368	1,622	1,875
MANUFACTURING	SAN JACINTO	HARRIS	081001101	256,465	275,094	290,934	304,964	315,464	310,194
MANUFACTURING	SAN JACINTO-BRAZOS	HARRIS	081001101	66,918	71,779	75,911	79,572	82,312	80,937
MANUFACTURING	TRINITY-SAN JACINTO	HARRIS	081001101	72,614	77,888	82,373	86,345	89,318	87,826
MASON CREEK UD	SAN JACINTO	HARRIS	084247000	2,352	2,321	2,291	2,271	2,261	2,261
MINING	SAN JACINTO	HARRIS	081003101	1,258	1,407	1,500	1,593	1,688	1,771
MINING	SAN JACINTO-BRAZOS	HARRIS	081003101	24	27	29	31	32	34
MISSOURI CITY	SAN JACINTO	HARRIS	080409000	1,306	1,540	1,786	2,035	2,296	2,554
NASSAU BAY	SAN JACINTO-BRAZOS	HARRIS	080424000	1,028	1,014	1,000	986	976	976
NFBWA	SAN JACINTO	HARRIS	081003101	1,636	1,566	1,557	1,626	1,660	1,640
NHCRWA	SAN JACINTO	HARRIS	088000000	116,062	136,903	152,789	161,456	164,968	169,178
NORTH BELT UD	SAN JACINTO	HARRIS	084275000	461	600	731	863	1,002	1,140
NORTH GREEN MUD	SAN JACINTO	HARRIS	084279000	349	379	405	434	466	503
NORTHWEST HARRIS COUNTY MUD #23	SAN JACINTO	HARRIS	084286000	587	728	873	1,005	1,152	1,298
NORTHWEST PARK MUD	SAN JACINTO	HARRIS	084287000	2,909	3,423	3,427	3,359	3,326	3,326
PARKWAY UD	SAN JACINTO	HARRIS	084298000	303	296	288	280	275	277
PASADENA	SAN JACINTO	HARRIS	080456000	15,990	17,440	18,759	20,151	21,674	23,383



WUG Name	WUG Basin	WUG County	WUG ID	Water Demand (acre-feet/year)					
				2010	2020	2030	2040	2050	2060
PASADENA	SAN JACINTO-BRAZOS	HARRIS	080456000	4,475	4,881	5,250	5,639	6,066	6,544
PEARLAND	SAN JACINTO-BRAZOS	HARRIS	080457000	445	513	579	646	717	788
PINE TRAILS UTILITY	SAN JACINTO	HARRIS	084302000	939	1,008	1,070	1,137	1,210	1,292
PINEY POINT VILLAGE	SAN JACINTO	HARRIS	080468000	1,275	1,317	1,360	1,402	1,451	1,506
ROLLING FORK PUD	SAN JACINTO	HARRIS	084411000	706	729	753	777	806	839
SEABROOK	SAN JACINTO-BRAZOS	HARRIS	080545000	2,421	2,867	3,288	3,731	4,166	4,620
SHOREACRES	SAN JACINTO-BRAZOS	HARRIS	080558000	204	217	229	239	237	237
SOUTH HOUSTON	SAN JACINTO	HARRIS	080569000	2,288	2,393	2,528	2,631	2,775	2,942
SOUTHSIDE PLACE	SAN JACINTO	HARRIS	080572000	406	433	458	482	510	540
SOUTHWEST UTILITIES	SAN JACINTO	HARRIS	084343000	710	795	882	962	1,050	1,147
SPRING VALLEY	SAN JACINTO	HARRIS	080575000	888	915	944	972	1,008	1,049
STAFFORD	SAN JACINTO	HARRIS	080577000	23	23	23	22	23	23
STEAM ELECTRIC POWER	SAN JACINTO	HARRIS	081002101	7,284	22,585	26,405	31,062	36,738	43,656
STEAM ELECTRIC POWER	SAN JACINTO-BRAZOS	HARRIS	081002101	444	1,377	1,610	1,893	2,239	2,661
SUNBELT FWSD	SAN JACINTO	HARRIS	084350000	4,489	5,227	5,922	6,663	7,389	8,154
TAYLOR LAKE VILLAGE	SAN JACINTO-BRAZOS	HARRIS	080751000	908	889	871	852	846	846
TOMBALL	SAN JACINTO	HARRIS	080608000	2,621	3,301	3,842	4,834	5,562	6,630
TRAIL OF THE LAKES MUD	SAN JACINTO	HARRIS	084355000	1,413	1,376	1,364	1,339	1,339	1,339
WALLER	SAN JACINTO	HARRIS	080629000	119	154	190	225	260	296
WEBSTER	SAN JACINTO-BRAZOS	HARRIS	080635000	2,417	3,097	3,772	4,432	5,110	5,786
WEST HARRIS COUNTY MUD #6	SAN JACINTO	HARRIS	084387000	565	561	561	549	541	541
WEST UNIVERSITY PL.	SAN JACINTO	HARRIS	080643000	3,101	3,275	3,438	3,591	3,780	3,989
WHCRWA	SAN JACINTO	HARRIS	088002000	60,067	67,747	73,904	78,344	79,642	80,217
WILLOW RUN SUBDIVISION	SAN JACINTO	HARRIS	084398000	665	652	640	628	620	620
WINDFERN FOREST UD	SAN JACINTO	HARRIS	084401000	804	1,033	1,014	1,004	1,004	1,004
WOODCREEK MUD	SAN JACINTO	HARRIS	084404000	622	815	999	1,184	1,374	1,564
BUFFALO	TRINITY	LEON	080083000	348	384	401	397	392	395
CENTERVILLE	TRINITY	LEON	080105000	189	203	210	207	205	206
COUNTY-OTHER	BRAZOS	LEON	080757145	395	416	421	412	405	408
COUNTY-OTHER	TRINITY	LEON	080757145	428	448	452	443	436	439
FLO COMMUNITY WSC	TRINITY	LEON	084114000	418	525	578	574	559	567
IRRIGATION	TRINITY	LEON	081004145	542	542	542	542	542	542
JEWETT	BRAZOS	LEON	080887000	51	60	64	64	63	64
JEWETT	TRINITY	LEON	080887000	151	177	192	191	188	190
LIVESTOCK	BRAZOS	LEON	081005145	423	423	423	423	423	423
LIVESTOCK	TRINITY	LEON	081005145	1,268	1,268	1,268	1,268	1,268	1,268
MANUFACTURING	TRINITY	LEON	081001145	714	842	967	1,093	1,207	1,313
MINING	BRAZOS	LEON	081003145	221	213	209	205	201	198
MINING	TRINITY	LEON	081003145	1,296	1,251	1,226	1,204	1,183	1,166
NORMANGEE	BRAZOS	LEON	080927000	42	46	49	48	47	48

WUG Name	WUG Basin	WUG County	WUG ID	Water Demand (acre-feet/year)					
				2010	2020	2030	2040	2050	2060
NORMANGEE	TRINITY	LEON	080927000	106	117	122	120	119	120
AMES	TRINITY	LIBERTY	080676000	137	159	179	197	221	250
CLEVELAND	SAN JACINTO	LIBERTY	080116000	1,341	1,365	1,392	1,416	1,464	1,529
COUNTY-OTHER	NECHES	LIBERTY	080757146	154	179	203	228	255	288
COUNTY-OTHER	NECHES-TRINITY	LIBERTY	080757146	11	12	14	16	18	20
COUNTY-OTHER	SAN JACINTO	LIBERTY	080757146	1,294	1,504	1,707	1,918	2,145	2,427
COUNTY-OTHER	TRINITY	LIBERTY	080757146	2,787	3,116	3,441	3,786	4,157	4,628
COUNTY-OTHER	TRINITY-SAN JACINTO	LIBERTY	080757146	187	217	247	277	310	350
DAISETTA	NECHES	LIBERTY	080149000	58	59	60	61	62	65
DAISETTA	TRINITY	LIBERTY	080149000	91	93	94	95	98	102
DAYTON	TRINITY	LIBERTY	080152000	1,737	2,161	2,553	2,924	3,355	3,855
HARDIN	TRINITY	LIBERTY	084148000	136	155	172	191	211	235
HARDIN WSC	TRINITY	LIBERTY	084148000	567	669	767	865	973	1,099
IRRIGATION	NECHES	LIBERTY	081004146	3,317	3,317	3,317	3,317	3,317	3,317
IRRIGATION	NECHES-TRINITY	LIBERTY	081004146	8,289	8,289	8,289	8,289	8,289	8,289
IRRIGATION	SAN JACINTO	LIBERTY	081004146	830	830	830	830	830	830
IRRIGATION	TRINITY	LIBERTY	081004146	53,056	53,056	53,056	53,056	53,056	53,056
IRRIGATION	TRINITY-SAN JACINTO	LIBERTY	081004146	17,409	17,409	17,409	17,409	17,409	17,409
KENEFFICK	TRINITY	LIBERTY	081033000	94	112	128	144	162	183
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	TRINITY	LIBERTY	084226000	108	116	124	130	140	153
LIBERTY	TRINITY	LIBERTY	080356000	1,509	1,527	1,532	1,543	1,578	1,628
LIVESTOCK	NECHES	LIBERTY	081005146	104	104	104	104	104	104
LIVESTOCK	NECHES-TRINITY	LIBERTY	081005146	35	35	35	35	35	35
LIVESTOCK	SAN JACINTO	LIBERTY	081005146	140	140	140	140	140	140
LIVESTOCK	TRINITY	LIBERTY	081005146	446	446	446	446	446	446
LIVESTOCK	TRINITY-SAN JACINTO	LIBERTY	081005146	32	32	32	32	32	32
MANUFACTURING	SAN JACINTO	LIBERTY	081001146	331	391	452	514	570	619
MANUFACTURING	TRINITY	LIBERTY	081001146	62	74	85	97	108	117
MERCY WSC	SAN JACINTO	LIBERTY	084253000	75	88	100	113	126	142
MINING	NECHES	LIBERTY	081003146	32	32	32	32	32	33
MINING	NECHES-TRINITY	LIBERTY	081003146	23	23	23	24	23	22
MINING	SAN JACINTO	LIBERTY	081003146	34	34	34	34	35	35
MINING	TRINITY	LIBERTY	081003146	4,924	4,937	4,945	4,951	4,958	4,963
MINING	TRINITY-SAN JACINTO	LIBERTY	081003146	3,717	3,727	3,732	3,737	3,742	3,747
PLUM GROVE	SAN JACINTO	LIBERTY	081054000	141	176	207	240	277	319
SOUTHWEST UTILITIES	SAN JACINTO	LIBERTY	084343000	14	16	18	20	23	26
STEAM ELECTRIC POWER	TRINITY	LIBERTY	081002146	2,962	4,240	4,957	5,831	6,896	8,195
WEST HARDIN WSC	NECHES	LIBERTY	084383000	29	35	42	47	54	63

WUG Name	WUG Basin	WUG County	WUG ID	Water Demand (acre-feet/year)					
				2010	2020	2030	2040	2050	2060
COUNTY-OTHER	BRAZOS	MADISON	080757157	106	110	113	115	118	122
COUNTY-OTHER	TRINITY	MADISON	080757157	896	931	959	971	998	1,032
IRRIGATION	TRINITY	MADISON	081004157	19	19	19	19	19	19
LIVESTOCK	BRAZOS	MADISON	081005157	120	120	120	120	120	120
LIVESTOCK	TRINITY	MADISON	081005157	630	630	630	630	630	630
MADISONVILLE	TRINITY	MADISON	080382000	781	815	837	856	881	908
MANUFACTURING	TRINITY	MADISON	081001157	260	289	316	343	367	398
MINING	BRAZOS	MADISON	081003157	9	9	9	9	9	9
MINING	TRINITY	MADISON	081003157	15	15	15	15	15	15
NORMANGEE	TRINITY	MADISON	080927000	10	11	12	12	13	13
CONROE	SAN JACINTO	MONTGOMERY	080130000	11,262	14,588	18,512	22,987	28,860	35,846
CONSUMERS WATER INC	SAN JACINTO	MONTGOMERY	084072000	222	243	305	371	470	583
COUNTY-OTHER	SAN JACINTO	MONTGOMERY	080757170	22,913	27,163	38,401	51,881	71,391	94,064
CRYSTAL SPRINGS WATER COMPANY	SAN JACINTO	MONTGOMERY	084081000	606	704	933	1,208	1,586	2,026
CUT AND SHOOT	SAN JACINTO	MONTGOMERY	080854000	210	235	285	348	430	529
EAST PLANTATION UD	SAN JACINTO	MONTGOMERY	084098000	471	551	734	952	1,244	1,584
H M W SUD	SAN JACINTO	MONTGOMERY	084147000	1,696	1,864	2,282	2,768	3,434	4,208
HOUSTON	SAN JACINTO	MONTGOMERY	080285000	190	253	375	516	704	926
IRRIGATION	SAN JACINTO	MONTGOMERY	081004170	66	66	66	66	66	66
LIVESTOCK	SAN JACINTO	MONTGOMERY	081005170	510	510	510	510	510	510
MAGNOLIA	SAN JACINTO	MONTGOMERY	080907000	439	604	800	1,015	1,302	1,643
MANUFACTURING	SAN JACINTO	MONTGOMERY	081001170	2,045	2,332	2,608	2,883	3,126	3,392
MINING	SAN JACINTO	MONTGOMERY	081003170	480	509	526	543	559	573
MONTGOMERY	SAN JACINTO	MONTGOMERY		249	1,019	1,497	1,970	2,442	2,927
MONTGOMERY COUNTY MUD #18	SAN JACINTO	MONTGOMERY	084261000	1,871	2,377	3,518	4,869	6,653	8,726
MONTGOMERY COUNTY MUD #19	SAN JACINTO	MONTGOMERY	084262000	459	452	448	444	444	444
MONTGOMERY COUNTY MUD #8	SAN JACINTO	MONTGOMERY	084263000	842	1,095	1,325	1,397	1,381	1,369
MONTGOMERY COUNTY MUD #9	SAN JACINTO	MONTGOMERY	084264000	796	1,074	1,369	1,504	1,526	1,541
MONTGOMERY COUNTY UD #2	SAN JACINTO	MONTGOMERY	084265000	559	552	545	538	538	538
MONTGOMERY COUNTY UD #3	SAN JACINTO	MONTGOMERY	084266000	485	504	560	629	728	849
MONTGOMERY COUNTY UD #4	SAN JACINTO	MONTGOMERY	084267000	981	970	958	947	947	947
MONTGOMERY COUNTY WCID #1	SAN JACINTO	MONTGOMERY	084268000	499	519	577	651	756	885
NEW CANEY MUD	SAN JACINTO	MONTGOMERY	084272000	1,460	1,647	2,156	2,708	3,507	4,436
OAK RIDGE NORTH	SAN JACINTO	MONTGOMERY	080726000	683	748	897	1,067	1,297	1,573
PANORAMA VILLAGE	SAN JACINTO	MONTGOMERY	080732000	654	682	710	743	776	811

WUG Name	WUG Basin	WUG County	WUG ID	Water Demand (acre-feet/year)					
				2010	2020	2030	2040	2050	2060
PATTON VILLAGE	SAN JACINTO	MONTGOMERY	080734000	87	88	101	115	136	165
POINT AQUARIUS MUD	SAN JACINTO	MONTGOMERY	084305000	734	908	1,303	1,762	2,377	3,092
PORTER WSC	SAN JACINTO	MONTGOMERY	084307000	1,944	2,156	2,697	3,347	3,317	3,317
RAYFORD ROAD MUD	SAN JACINTO	MONTGOMERY	084312000	2,309	2,288	2,268	2,268	2,268	2,268
RIVER PLANTATION MUD	SAN JACINTO	MONTGOMERY	084322000	835	824	812	801	798	798
ROMAN FOREST	SAN JACINTO	MONTGOMERY	080801000	544	839	1,192	1,568	2,073	2,677
SHENANDOAH	SAN JACINTO	MONTGOMERY	080745000	1,746	2,024	2,358	2,721	3,205	3,792
SOUTHERN MONTGOMERY COUNTY MUD	SAN JACINTO	MONTGOMERY	084339000	1,901	2,402	2,417	2,493	2,523	2,581
SOUTHWEST UTILITIES	SAN JACINTO	MONTGOMERY	084343000	254	281	352	432	542	675
SPLENDORA	SAN JACINTO	MONTGOMERY	080962000	188	224	297	383	502	640
SPRING CREEK UD	SAN JACINTO	MONTGOMERY	084344000	537	612	800	1,025	1,335	1,696
STAGECOACH	SAN JACINTO	MONTGOMERY		79	106	144	194	265	365
STANLEY LAKE MUD	SAN JACINTO	MONTGOMERY	084347000	744	904	898	892	892	892
STEAM ELECTRIC POWER	SAN JACINTO	MONTGOMERY	081002170	5,046	8,537	9,981	11,741	13,886	16,502
THE WOODLANDS	SAN JACINTO	MONTGOMERY	088001000	14,671	26,596	28,330	28,197	28,063	28,063
WILLIS	SAN JACINTO	MONTGOMERY	080655000	568	649	816	1,024	1,296	1,626
WOODBURANCH	SAN JACINTO	MONTGOMERY	080807000	183	202	225	249	284	330
COUNTY-OTHER	TRINITY	POLK	080757187	1,600	1,691	1,744	1,794	1,880	1,976
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	TRINITY	POLK	084226000	890	944	985	1,004	1,044	1,100
LIVESTOCK	TRINITY	POLK	081005187	134	134	134	134	134	134
LIVINGSTON	TRINITY	POLK	080362000	2,137	2,517	2,802	3,006	3,212	3,423
MINING	TRINITY	POLK	081003187	29	31	32	33	34	35
ONALASKA	TRINITY	POLK	080933000	189	229	260	281	302	325
ONALASKA WSC	TRINITY	POLK	080727000	240	244	247	242	246	255
TRINITY RURAL WSC	TRINITY	POLK	084355000	6	7	8	8	9	9
COLDSPRING	SAN JACINTO	SAN JACINTO	080122000	44	51	56	59	60	61
COLDSPRING	TRINITY	SAN JACINTO	080122000	163	186	205	216	222	225
COUNTY-OTHER	SAN JACINTO	SAN JACINTO	080757204	868	974	1,052	1,091	1,114	1,129
COUNTY-OTHER	TRINITY	SAN JACINTO	080757204	1,339	1,513	1,607	1,463	1,372	1,240
IRRIGATION	TRINITY	SAN JACINTO	081004204	667	667	667	667	667	667
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	SAN JACINTO	SAN JACINTO	084226000	95	114	127	133	137	140
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY	TRINITY	SAN JACINTO	084226000	206	245	275	288	295	301
LIVESTOCK	SAN JACINTO	SAN JACINTO	081005204	142	142	142	142	142	142
LIVESTOCK	TRINITY	SAN JACINTO	081005204	142	142	142	142	142	142

WUG Name	WUG Basin	WUG County	WUG ID	Water Demand (acre-feet/year)						
				2010	2020	2030	2040	2050	2060	
MANUFACTURING	SAN JACINTO	SAN JACINTO	081001204	48	52	56	60	63	68	
MERCY WSC	SAN JACINTO	SAN JACINTO	084253000	338	404	455	487	504	513	
MINING	SAN JACINTO	SAN JACINTO	081003204	23	23	22	21	20	20	
MINING	TRINITY	SAN JACINTO	081003204	7	6	6	6	6	6	
POINT BLANK	TRINITY	SAN JACINTO	081056000	85	96	104	108	111	112	
RIVERSIDE WSC	TRINITY	SAN JACINTO	084323000	150	179	213	270	302	337	
SAN JACINTO WSC	TRINITY	SAN JACINTO	084328000	406	474	528	561	577	587	
SHEPHERD	TRINITY	SAN JACINTO	080746000	301	355	394	411	424	431	
COUNTY-OTHER	TRINITY	TRINITY	080757228	526	558	561	547	522	502	
GROVETON	TRINITY	TRINITY	080255000	119	126	127	123	118	113	
IRRIGATION	TRINITY	TRINITY	081004228	467	467	467	467	467	467	
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY										
LIVESTOCK	TRINITY	TRINITY	084226000	109	111	110	104	98	95	
MINING	TRINITY	TRINITY	081005228	211	211	211	211	211	211	
TRINITY	TRINITY	TRINITY	081003228	6	6	6	6	6	6	
TRINITY RURAL WSC	TRINITY	TRINITY	080610000	170	172	165	152	142	137	
CONSOLIDATED WSC	TRINITY	TRINITY	084355000	279	293	292	280	265	255	
COUNTY-OTHER	TRINITY	WALKER	084071000	8	9	9	8	8	8	
COUNTY-OTHER	SAN JACINTO	WALKER	080757236	4,509	2,629	2,899	2,601	2,659	2,659	
COUNTY-OTHER	TRINITY	WALKER	080757236	3,278	3,252	3,420	2,888	2,671	2,374	
HUNTSVILLE	SAN JACINTO	WALKER	080292000	6,287	7,529	7,659	7,512	7,469	7,472	
HUNTSVILLE	TRINITY	WALKER	080292000	1,400	1,676	1,706	1,673	1,663	1,664	
IRRIGATION	SAN JACINTO	WALKER	081004236	5	5	5	5	5	5	
IRRIGATION	TRINITY	WALKER	081004236	6	6	6	6	6	6	
LAKE LIVINGSTON WATER SUPPLY & SEWER SERVICE COMPANY										
LIVESTOCK	TRINITY	WALKER	084226000	29	30	30	29	28	28	
LIVESTOCK	SAN JACINTO	WALKER	081005236	310	310	310	310	310	310	
MANUFACTURING	TRINITY	WALKER	081005236	322	322	322	322	322	322	
MANUFACTURING	SAN JACINTO	WALKER	081001236	577	669	753	839	914	993	
MANUFACTURING	TRINITY	WALKER	081001236	2,631	3,049	3,435	3,827	4,169	4,524	
MINING	SAN JACINTO	WALKER	081003236	7	7	7	7	7	7	
MINING	TRINITY	WALKER	081003236	6	6	6	6	6	6	
NEW WAVERLY	SAN JACINTO	WALKER	080926000	218	235	243	236	235	235	
RIVERSIDE WSC	TRINITY	WALKER	084323000	330	325	335	379	402	439	
TRINITY RURAL WSC	TRINITY	WALKER	084355000	22	24	24	23	23	23	
WALKER COUNTY RURAL WSC	TRINITY	WALKER	084372000	839	898	919	891	884	884	
BROOKSHIRE	BRAZOS	WALLER	080077000	673	847	1,039	1,254	1,517	1,832	
COUNTY-OTHER	BRAZOS	WALLER	080757237	685	708	755	794	869	954	

WUG Name	WUG Basin	WUG County	WUG ID	Water Demand (acre-feet/year)					
				2010	2020	2030	2040	2050	2060
COUNTY-OTHER	SAN JACINTO	WALLER	080757237	841	1,013	1,227	1,435	1,729	2,066
HEMPSTEAD	BRAZOS	WALLER	080271000	1,457	2,052	2,694	3,427	4,294	5,313
IRRIGATION	BRAZOS	WALLER	081004237	4,825	4,825	4,825	4,825	4,825	4,825
IRRIGATION	SAN JACINTO	WALLER	081004237	18,153	18,153	18,153	18,153	18,153	18,153
KATY	SAN JACINTO	WALLER	080312000	271	405	554	722	919	1,151
LIVESTOCK	BRAZOS	WALLER	081005237	676	676	676	676	676	676
LIVESTOCK	SAN JACINTO	WALLER	081005237	263	263	263	263	263	263
MANUFACTURING	BRAZOS	WALLER	081001237	17	19	21	24	25	28
MANUFACTURING	SAN JACINTO	WALLER	081001237	72	82	91	99	108	116
MINING	BRAZOS	WALLER	081003237	9	9	9	9	9	9
MINING	SAN JACINTO	WALLER	081003237	71	71	71	71	71	71
PINE ISLAND	BRAZOS	WALLER	080938000	147	146	177	210	254	305
PRAIRIE VIEW	BRAZOS	WALLER	080485000	1,129	1,211	1,307	1,418	1,558	1,726
PRAIRIE VIEW	SAN JACINTO	WALLER	080485000	124	133	144	156	171	190
WALLER	SAN JACINTO	WALLER	080629000	416	488	572	668	782	917

**Table 2-6**  
**Year 2010 Water Demand by Wholesale Water Provider of All Water Use Categories**

<b>Wholesale Water Provider</b>	<b>Total Amount (acre-feet)</b>
BAYTOWN AREA WATER AUTHORITY	17,535
BRAZOS RIVER AUTHORITY	155,030
BRAZOSPORT WATER AUTHORITY	8,743
CENTRAL HARRIS COUNTY REGIONAL WATER AUTHORITY	2,375
CHAMBERS-LIBERTY COUNTIES NAVIGATION DISTRICT	44,778
CITY OF GALVESTON	16,790
CITY OF HOUSTON	586,014
CITY OF HUNTSVILLE	22,403
CITY OF PASADENA	31,942
CITIES OF RICHMOND AND ROSENBERG	
CITY OF SUGAR LAND	
CLEAR LAKE AREA WATER AUTHORITY	26,876
DOW CHEMICAL CO.	
FORT BEND COUNTY WCID 1	1,000
FORT BEND COUNTY WCID 2	8,155
GALVESTON COUNTY WCID 1	2,241
GULF COAST WATER AUTHORITY	235,400
LA PORTE AREA WATER AUTHORITY	9,750
LOWER NECHES VALLEY AUTHORITY	60,727
MISSOURI CITY	
NORTH CHANNEL WATER AUTHORITY	6,682
NORTH FORT BEND WATER AUTHORITY	21,841
NORTH HARRIS COUNTY REGIONAL WATER AUTHORITY	34,714
NRG	20,500
SAN JACINTO RIVER AUTHORITY	91,296
TRINITY RIVER AUTHORITY	89,208
WEST HARRIS COUNTY REGIONAL WATER AUTHORITY	20,437

**Table 2-7**  
**Comparison Between 2006 RWP and 2011 RWP**  
**Water Demands\*(in acre-feet per year) by WUG Category**  
**Austin County\***

<i>RWP</i>	<i>Planning Decade</i>					
	2010	2020	2030	2040	2050	2060
<b>Municipal</b>						
2006	3,918	4,258	4,494	4,590	4,639	4,756
2011	4,123	4,658	5,027	5,191	5,278	5,446
Difference	-205	-400	-533	-601	-639	-690
% Change	-5%	-9%	-12%	-13%	-14%	-15%
<b>Livestock</b>						
2006	1,615	1,615	1,615	1,615	1,615	1,615
2011	1,615	1,615	1,615	1,615	1,615	1,615
Difference	0	0	0	0	0	0
% Change	0%	0%	0%	0%	0%	0%
<b>Irrigation</b>						
2006	10,617	10,617	10,617	10,617	10,617	10,617
2011	10,617	10,617	10,617	10,617	10,617	10,617
Difference	0	0	0	0	0	0
% Change	0%	0%	0%	0%	0%	0%
<b>Manufacturing</b>						
2006	210	233	253	272	288	313
2011	210	233	253	272	288	313
Difference	0	0	0	0	0	0
% Change	0%	0%	0%	0%	0%	0%
<b>Mining</b>						
2006	51	56	59	62	65	67
2011	51	56	59	62	65	67
Difference	0	0	0	0	0	0
% Change	0%	0%	0%	0%	0%	0%
<b>Steam-Electric Power Generation</b>						
2006	0	0	0	0	0	0
2011	0	0	0	0	0	0
Difference	0	0	0	0	0	0
% Change	0%	0%	0%	0%	0%	0%

\*All values are presented in acre-feet per year



**Table 2-7**  
**Comparison Between 2006 RWP and 2011 RWP**  
**Water Demands\*(in acre-feet per year) by WUG Category**

**Brazoria County\* (Continued)**

<i>RWP</i>	<i>Planning Decade</i>					
	<b>2010</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>
<b>Municipal</b>						
2006	44,685	50,822	56,754	62,022	68,202	74,967
2011	47,184	53,523	59,656	65,134	71,567	78,598
Difference	2,499	2,701	2,902	3,112	3,365	3,631
% Change	5.6%	5.3%	5.1%	5.0%	4.9%	4.8%
<b>Livestock</b>						
2006	1,614	1,614	1,614	1,614	1,614	1,614
2011	1,614	1,614	1,614	1,614	1,614	1,614
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Irrigation</b>						
2006	135,033	123,115	118,544	115,788	115,788	115,788
2011	135,033	123,115	118,544	115,788	115,788	115,788
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Manufacturing</b>						
2006	260,239	286,554	309,841	333,348	354,093	379,241
2011	260,239	286,554	309,841	333,348	354,093	379,241
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Mining</b>						
2006	4,104	4,502	4,737	4,969	5,201	5,419
2011	4,104	4,502	4,737	4,969	5,201	5,419
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Steam-Electric Power Generation</b>						
2006	0	0	0	0	0	0
2011	0	0	0	0	0	0
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0%

\*All values are presented in acre-feet per year

**Table 2-7**  
**Comparison Between 2006 RWP and 2011 RWP**  
**Water Demands\*(in acre-feet per year) by WUG Category**

**Chambers County\*(continued)**

<i>RWP</i>	<i>Planning Decade</i>					
	2010	2020	2030	2040	2050	2060
<b>Municipal</b>						
2006	4,625	5,438	6,180	6,824	7,506	8,249
2011	4,985	5,854	6,648	7,338	8,067	8,863
Difference	360	416	468	514	561	614
% Change	-7.8%	-7.6%	-7.6%	-7.5%	-7.5%	-7.4%
<b>Livestock</b>						
2006	462	462	462	462	462	462
2011	462	462	462	462	462	462
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Irrigation</b>						
2006	117,777	117,777	117,777	117,777	117,777	117,777
2011	117,777	117,777	117,777	117,777	117,777	117,777
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Manufacturing</b>						
2006	11,802	12,959	13,987	15,011	15,932	17,122
2011	11,802	12,959	13,987	15,011	15,932	17,122
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Mining</b>						
2006	37,422	40,532	42,427	44,286	46,130	47,742
2011	37,422	40,532	42,427	44,286	46,130	47,742
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Steam-Electric Power Generation</b>						
2006	4,435	3,536	4,134	4,863	5,751	6,834
2011	4,435	3,536	4,134	4,863	5,751	6,834
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

\*All values are presented in acre-feet per year

**Table 2-7**  
**Comparison Between 2006 RWP and 2011 RWP**  
**Water Demands\*(in acre-feet per year) by WUG Category**

**Fort Bend County\*(continued)**

<i>RWP</i>	<i>Planning Decade</i>					
	<b>2010</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>
<b>Municipal</b>						
2006	89,579	111,680	138,770	165,904	202,470	245,404
2011	109,869	143,023	174,552	208,691	251,533	300,689
Difference	20,290	31,343	35,782	42,787	49,063	55,285
% Change	22.7%	28.1%	25.8%	25.8%	24.2%	22.5%
<b>Livestock</b>						
2006	1,171	1,171	1,171	1,171	1,171	1,171
2011	1,171	1,171	1,171	1,171	1,171	1,171
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Irrigation</b>						
2006	53,455	53,455	53,455	53,455	53,455	53,455
2011	53,455	53,455	53,455	53,455	53,455	53,455
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Manufacturing</b>						
2006	6,863	7,199	7,468	7,685	7,829	7,410
2011	6,863	7,199	7,468	7,685	7,829	7,410
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Mining</b>						
2006	3,010	3,070	3,105	3,138	3,169	3,196
2011	3,010	3,070	3,105	3,138	3,169	3,196
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Steam-Electric Power Generation</b>						
2006	66,026	68,046	79,553	93,582	110,682	131,527
2011	66,026	68,046	79,553	93,582	110,682	131,527
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

\*All values are presented in acre-feet per year

**Table 2-7  
Comparison Between 2006 RWP and 2011 RWP  
Water Demands\*(in acre-feet per year) by WUG Category**

**Galveston County (continued)\***

<b>RWP</b>	<b>Planning Decade</b>					
	<b>2010</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>
<b>Municipal</b>						
2006	46,090	47,390	47,818	47,487	47,393	47,641
2011	46,090	47,390	47,818	47,487	47,393	47,641
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Livestock</b>						
2006	325	325	325	325	325	325
2011	325	325	325	325	325	325
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Irrigation</b>						
2006	10,342	10,342	10,342	10,342	10,342	10,342
2011	10,342	10,342	10,342	10,342	10,342	10,342
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Manufacturing</b>						
2006	41,005	44,330	47,046	49,692	51,967	55,491
2011	41,005	44,330	47,046	49,692	51,967	55,491
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Mining</b>						
2006	265	279	286	293	300	307
2011	265	279	286	293	300	307
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Steam-Electric Power Generation</b>						
2006	5,034	4,013	4,692	5,519	6,528	7,757
2011	5,034	4,013	4,692	5,519	6,528	7,757
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

\*All values are presented in acre-feet per year

**Table 2-7**  
**Comparison Between 2006 RWP and 2011 RWP**  
**Water Demands\*(in acre-feet per year) by WUG Category**

**Harris County\*(continued)**

<i>RWP</i>	<i>Planning Decade</i>					
	<b>2010</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>
<b>Municipal</b>						
2006	677,684	756,765	834,747	915,339	999,189	1,089,188
2011	709,300	789,397	868,320	948,412	1,030,899	1,119,593
Difference	31,616	32,632	33,573	33,073	31,710	30,405
% Change	4.7%	4.3%	4.0%	3.6%	3.2%	2.8%
<b>Livestock</b>						
2006	1,133	1,133	1,133	1,133	1,133	1,133
2011	1,133	1,133	1,133	1,133	1,133	1,133
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Irrigation</b>						
2006	15,300	15,300	15,300	15,300	15,300	15,300
2011	15,300	15,300	15,300	15,300	15,300	15,300
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Manufacturing</b>						
2006	395,997	424,761	449,218	470,881	487,094	478,957
2011	395,997	424,761	449,218	470,881	487,094	478,957
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Mining</b>						
2006	1,282	1,434	1,529	1,624	1,720	1,805
2011	1,282	1,434	1,529	1,624	1,720	1,805
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Steam-Electric Power Generation</b>						
2006	7,728	23,962	28,015	32,955	38,977	46,317
2011	7,728	23,962	28,015	32,955	38,977	46,317
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

\*All values are presented in acre-feet per year

**Table 2-7  
Comparison Between 2006 RWP and 2011 RWP  
Water Demands\*(in acre-feet per year) by WUG Category**

**Leon County\*(continued)**

<b>RWP</b>	<b>Planning Decade</b>					
	<b>2010</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>
<b>Municipal</b>						
2006	2,122	2,364	2,475	2,441	2,400	2,422
2011	2,128	2,376	2,489	2,456	2,414	2,437
Difference	6	12	14	15	14	15
% Change	0%	1%	1%	1%	1%	1%
<b>Livestock</b>						
2006	1,691	1,691	1,691	1,691	1,691	1,691
2011	1,691	1,691	1,691	1,691	1,691	1,691
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Irrigation</b>						
2006	542	542	542	542	542	542
2011	542	542	542	542	542	542
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Manufacturing</b>						
2006	714	842	967	1,093	1,207	1,313
2011	714	842	967	1,093	1,207	1,313
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Mining</b>						
2006	1,517	1,464	1,435	1,409	1,384	1,364
2011	1,517	1,464	1,435	1,409	1,384	1,364
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Steam-Electric Power Generation</b>						
2006	0	0	0	0	0	0
2011	0	0	0	0	0	0
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

\*All values are presented in acre-feet per year

**Table 2-7**  
**Comparison Between 2006 RWP and 2011 RWP**  
**Water Demands\*(in acre-feet per year) by WUG Category**

**Liberty County\*(continued)**

<i>RWP</i>	<i>Planning Decade</i>					
	<b>2010</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>
<b>Municipal</b>						
2006	10,283	11,370	12,401	13,455	14,670	16,176
2011	10,470	11,759	12,980	14,211	15,629	17,362
Difference	187	389	579	756	959	1,186
% Change	1.8%	3.4%	4.7%	5.6%	6.5%	7.3%
<b>Livestock</b>						
2006	757	757	757	757	757	757
2011	757	757	757	757	757	757
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Irrigation</b>						
2006	82,901	82,901	82,901	82,901	82,901	82,901
2011	82,901	82,901	82,901	82,901	82,901	82,901
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Manufacturing</b>						
2006	393	465	537	611	678	736
2011	393	465	537	611	678	736
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Mining</b>						
2006	8,730	8,753	8,766	8,778	8,790	8,800
2011	8,730	8,753	8,766	8,778	8,790	8,800
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Steam-Electric Power Generation</b>						
2006	2,962	4,240	4,957	5,831	6,896	8,195
2011	2,962	4,240	4,957	5,831	6,896	8,195
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

\*All values are presented in acre-feet per year

**Table 2-7  
Comparison Between 2006 RWP and 2011 RWP  
Water Demands\*(in acre-feet per year) by WUG Category**

**Madison County\*(continued)**

<b>RWP</b>	<b>Planning Decade</b>					
	<b>2010</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>
<b>Municipal</b>						
2006	1,792	1,864	1,918	1,952	2,007	2,072
2011	1,793	1,867	1,921	1,954	2,010	2,075
Difference	1	3	3	2	3	3
% Change	0.1%	0.2%	0.2%	0.1%	0.1%	0.1%
<b>Livestock</b>						
2006	750	750	750	750	750	750
2011	750	750	750	750	750	750
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Irrigation</b>						
2006	19	19	19	19	19	19
2011	19	19	19	19	19	19
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Manufacturing</b>						
2006	260	289	316	343	367	398
2011	260	289	316	343	367	398
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Mining</b>						
2006	24	24	24	24	24	24
2011	24	24	24	24	24	24
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Steam-Electric Power Generation</b>						
2006	0	0	0	0	0	0
2011	0	0	0	0	0	0
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

\*All values are presented in acre-feet per year



**Table 2-7**  
**Comparison Between 2006 RWP and 2011 RWP**  
**Water Demands\*(in acre-feet per year) by WUG Category**

**Montgomery County\*(continued)**

<i>RWP</i>	<i>Planning Decade</i>					
	<b>2010</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>
<b>Municipal</b>						
2006	68,638	90,346	111,441	133,994	164,466	200,243
2011	74,871	98,947	122,197	146,984	180,292	219,432
Difference	6,233	8,601	10,756	12,990	15,826	19,189
% Change	9.1%	9.5%	9.7%	9.7%	9.6%	9.6%
<b>Livestock</b>						
2006	510	510	510	510	510	510
2011	510	510	510	510	510	510
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Irrigation</b>						
2006	66	66	66	66	66	66
2011	66	66	66	66	66	66
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Manufacturing</b>						
2006	2,045	2,332	2,608	2,883	3,126	3,392
2011	2,045	2,332	2,608	2,883	3,126	3,392
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Mining</b>						
2006	480	509	526	543	559	573
2011	480	509	526	543	559	573
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Steam-Electric Power Generation</b>						
2006	5,046	8,537	9,981	11,741	13,886	16,502
2011	5,046	8,537	9,981	11,741	13,886	16,502
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

\*All values are presented in acre-feet per year

**Table 2-7  
Comparison Between 2006 RWP and 2011 RWP  
Water Demands\*(in acre-feet per year) by WUG Category**

**Polk County\*(continued)**

<b>RWP</b>	<b>Planning Decade</b>					
	<b>2010</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>
<b>Municipal</b>						
2006	4,859	5,230	5,486	5,662	5,913	6,205
2011	5,062	5,632	6,046	6,335	6,693	7,088
Difference	203	402	560	673	780	883
% Change	4.2%	7.7%	10.2%	11.9%	13.2%	14.2%
<b>Livestock</b>						
2006	134	134	134	134	134	134
2011	134	134	134	134	134	134
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Irrigation</b>						
2006	0	0	0	0	0	0
2011	0	0	0	0	0	0
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Manufacturing</b>						
2006	0	0	0	0	0	0
2011	0	0	0	0	0	0
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Mining</b>						
2006	29	31	32	33	34	35
2011	29	31	32	33	34	35
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Steam-Electric Power Generation</b>						
2006	0	0	0	0	0	0
2011	0	0	0	0	0	0
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

\*All values are presented in acre-feet per year

**Table 2-7**  
**Comparison Between 2006 RWP and 2011 RWP**  
**Water Demands\*(in acre-feet per year) by WUG Category**

**San Jacinto County\*(continued)**

<i>RWP</i>	<i>Planning Decade</i>					
	2010	2020	2030	2040	2050	2060
<b>Municipal</b>						
2006	3,161	3,622	3,972	4,158	4,262	4,329
2011	3,153	3,616	3,964	4,120	4,207	4,251
Difference	-8	-6	-8	-38	-55	-78
% Change	-0.3%	-0.2%	-0.2%	-0.9%	-1.3%	-1.8%
<b>Livestock</b>						
2006	284	284	284	284	284	284
2011	284	284	284	284	284	284
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Irrigation</b>						
2006	667	667	667	667	667	667
2011	667	667	667	667	667	667
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Manufacturing</b>						
2006	48	52	56	60	63	68
2011	48	52	56	60	63	68
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Mining</b>						
2006	30	29	28	27	26	26
2011	30	29	28	27	26	26
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Steam-Electric Power Generation</b>						
2006	0	0	0	0	0	0
2011	0	0	0	0	0	0
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

\*All values are presented in acre-feet per year

**Table 2-7  
Comparison Between 2006 RWP and 2011 RWP  
Water Demands\*(in acre-feet per year) by WUG Category**

**Trinity County\*(continued)**

<b>RWP</b>	<b>Planning Decade</b>					
	<b>2010</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>
<b>Municipal</b>						
2006	1,203	1,260	1,255	1,206	1,145	1,102
2011	1,203	1,260	1,255	1,206	1,145	1,102
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Livestock</b>						
2006	211	211	211	211	211	211
2011	211	211	211	211	211	211
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Irrigation</b>						
2006	467	467	467	467	467	467
2011	467	467	467	467	467	467
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Manufacturing</b>						
2006	0	0	0	0	0	0
2011	0	0	0	0	0	0
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Mining</b>						
2006	6	6	6	6	6	6
2011	6	6	6	6	6	6
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Steam-Electric Power Generation</b>						
2006	0	0	0	0	0	0
2011	0	0	0	0	0	0
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

\*All values are presented in acre-feet per year

**Table 2-7**  
**Comparison Between 2006 RWP and 2011 RWP**  
**Water Demands\*(in acre-feet per year) by WUG Category**

**Walker County\*(continued)**

<i>RWP</i>	<i>Planning Decade</i>					
	<b>2010</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>
<b>Municipal</b>						
2006	16,512	17,941	18,516	18,146	18,097	18,097
2011	16,920	16,607	17,244	16,240	16,042	15,786
Difference	408	-1,334	-1,272	-1,906	-2,055	-2,311
% Change	2.5%	-7.4%	-6.9%	-10.5%	-11.4%	-12.8%
<b>Livestock</b>						
2006	632	632	632	632	632	632
2011	632	632	632	632	632	632
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Irrigation</b>						
2006	11	11	11	11	11	11
2011	11	11	11	11	11	11
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Manufacturing</b>						
2006	3,208	3,718	4,188	4,666	5,083	5,517
2011	3,208	3,718	4,188	4,666	5,083	5,517
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Mining</b>						
2006	13	13	13	13	13	13
2011	13	13	13	13	13	13
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Steam-Electric Power Generation</b>						
2006	0	0	0	0	0	0
2011	0	0	0	0	0	0
Difference	0	0	0	0	0	0
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

\*All values are presented in acre-feet per year

**Table 2-7**  
**Comparison Between 2006 RWP and 2011 RWP**  
**Water Demands\*(in acre-feet per year) by WUG Category**

**Waller County\*(continued)**

<b>RWP</b>	<b>Planning Decade</b>					
	<b>2010</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>
<b>Municipal</b>						
2006	5,393	6,310	7,380	8,530	10,016	11,757
2011	5,713	7,003	8,469	10,084	12,093	14,454
Difference	320	693	1,089	1,554	2,077	2,697
% Change	-6%	-11%	-15%	-18%	-21%	-23%
<b>Livestock</b>						
2006	939	939	939	939	939	939
2011	939	939	939	939	939	939
Difference	0	0	0	0	0	0
% Change	0%	0%	0%	0%	0%	0%
<b>Irrigation</b>						
2006	22,978	22,978	22,978	22,978	22,978	22,978
2011	22,978	22,978	22,978	22,978	22,978	22,978
Difference	0	0	0	0	0	0
% Change	0%	0%	0%	0%	0%	0%
<b>Manufacturing</b>						
2006	89	101	112	123	133	144
2011	89	101	112	123	133	144
Difference	0	0	0	0	0	0
% Change	0%	0%	0%	0%	0%	0%
<b>Mining</b>						
2006	80	80	80	80	80	80
2011	80	80	80	80	80	80
Difference	0	0	0	0	0	0
% Change	0%	0%	0%	0%	0%	0%
<b>Steam-Electric Power Generation</b>						
2006	0	0	0	0	0	0
2011	0	0	0	0	0	0
Difference	0	0	0	0	0	0
% Change	0%	0%	0%	0%	0%	0%

\*All values are presented in acre-feet per year

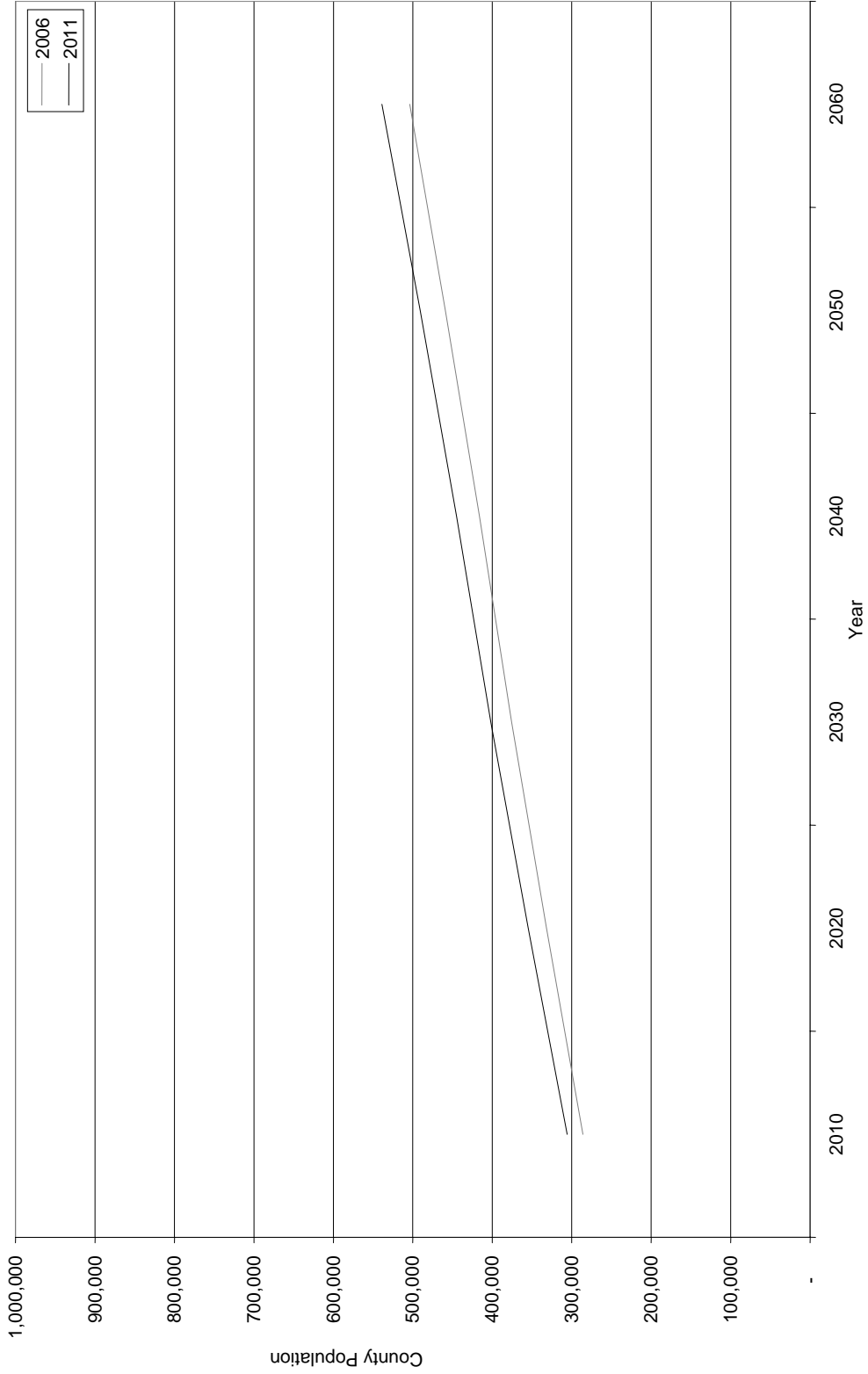
## FIGURES



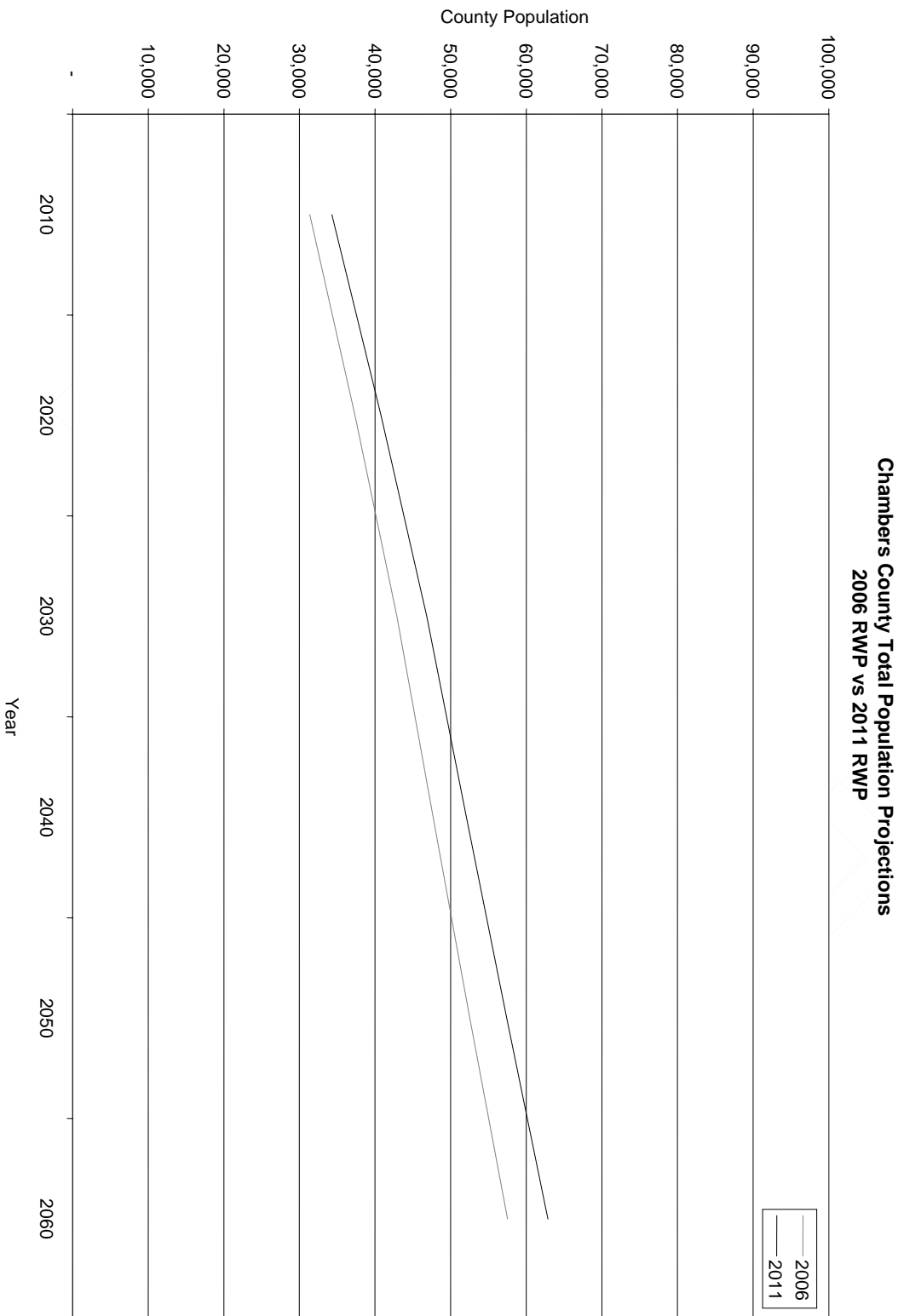


**Figure 2-7**  
**Comparison of County Population Projections**

**Brazoria County Total Population Projections**  
**2006 RWP vs 2011 RWP**

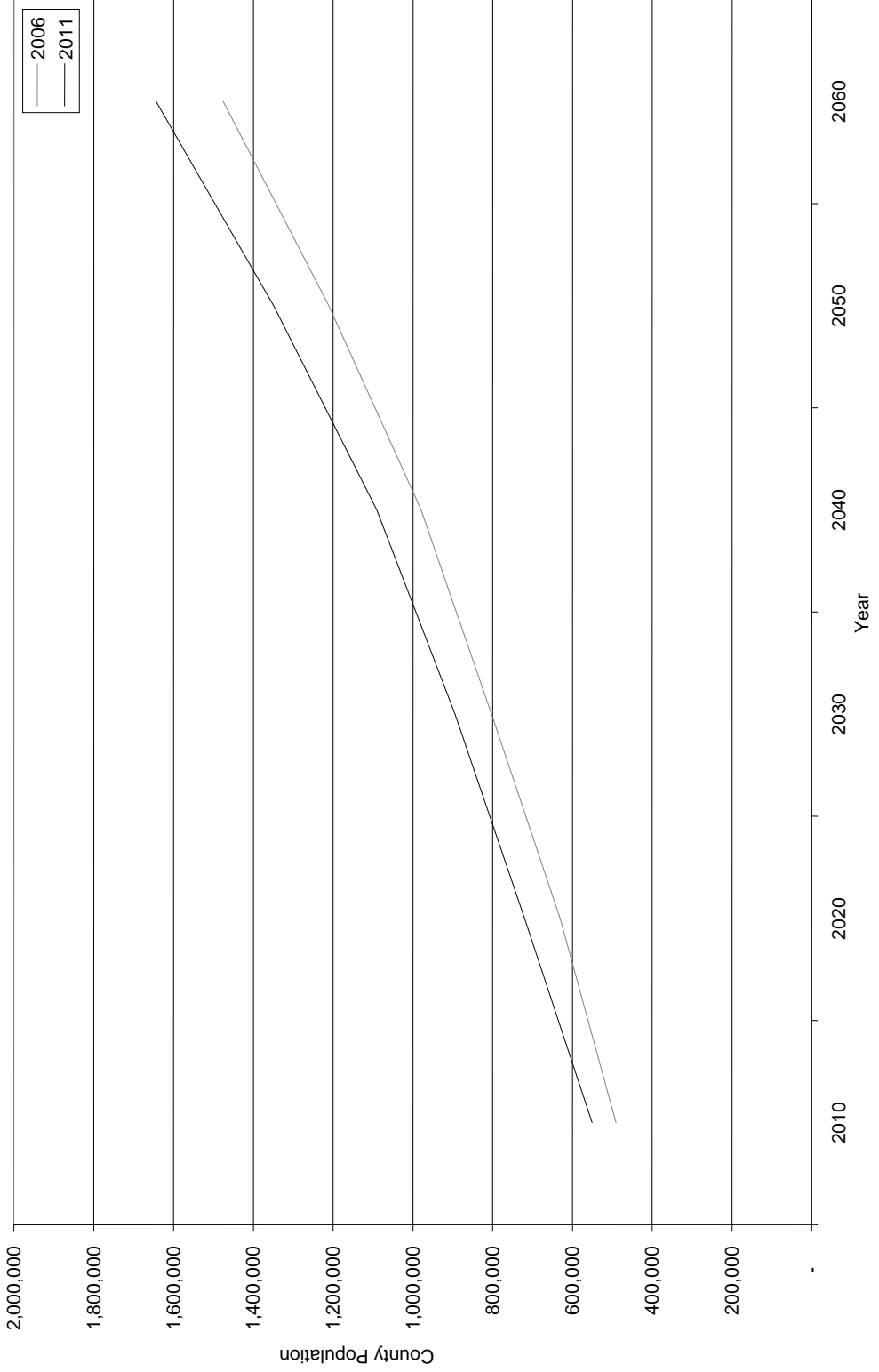


**Figure 2-7 (Continued)  
Comparison of County Population Projections**

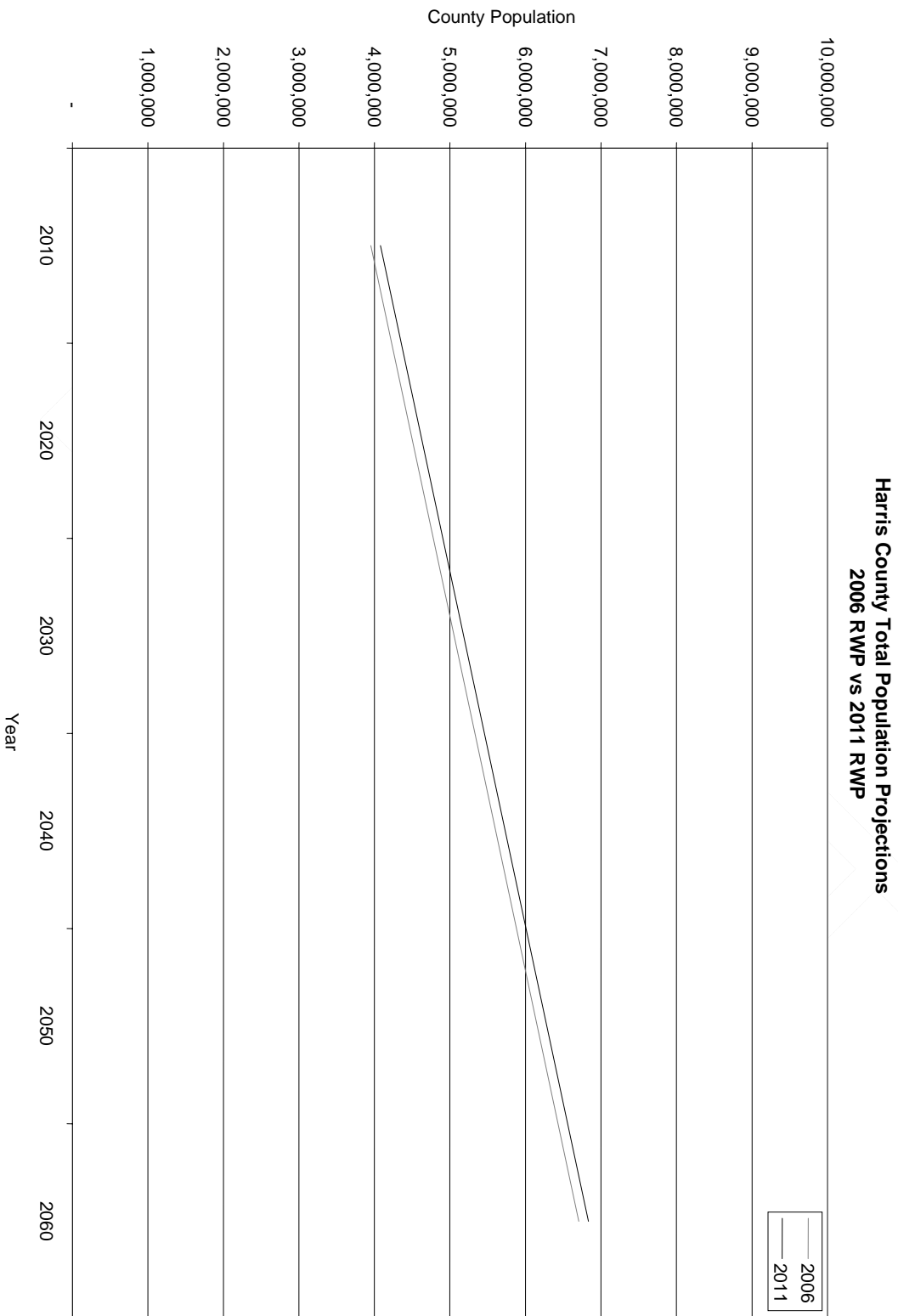


**Figure 2-7 (Continued)**  
**Comparison of County Population Projections**

**Fort Bend County Total Population Projections**  
**2006 RWP vs 2011 RWP**

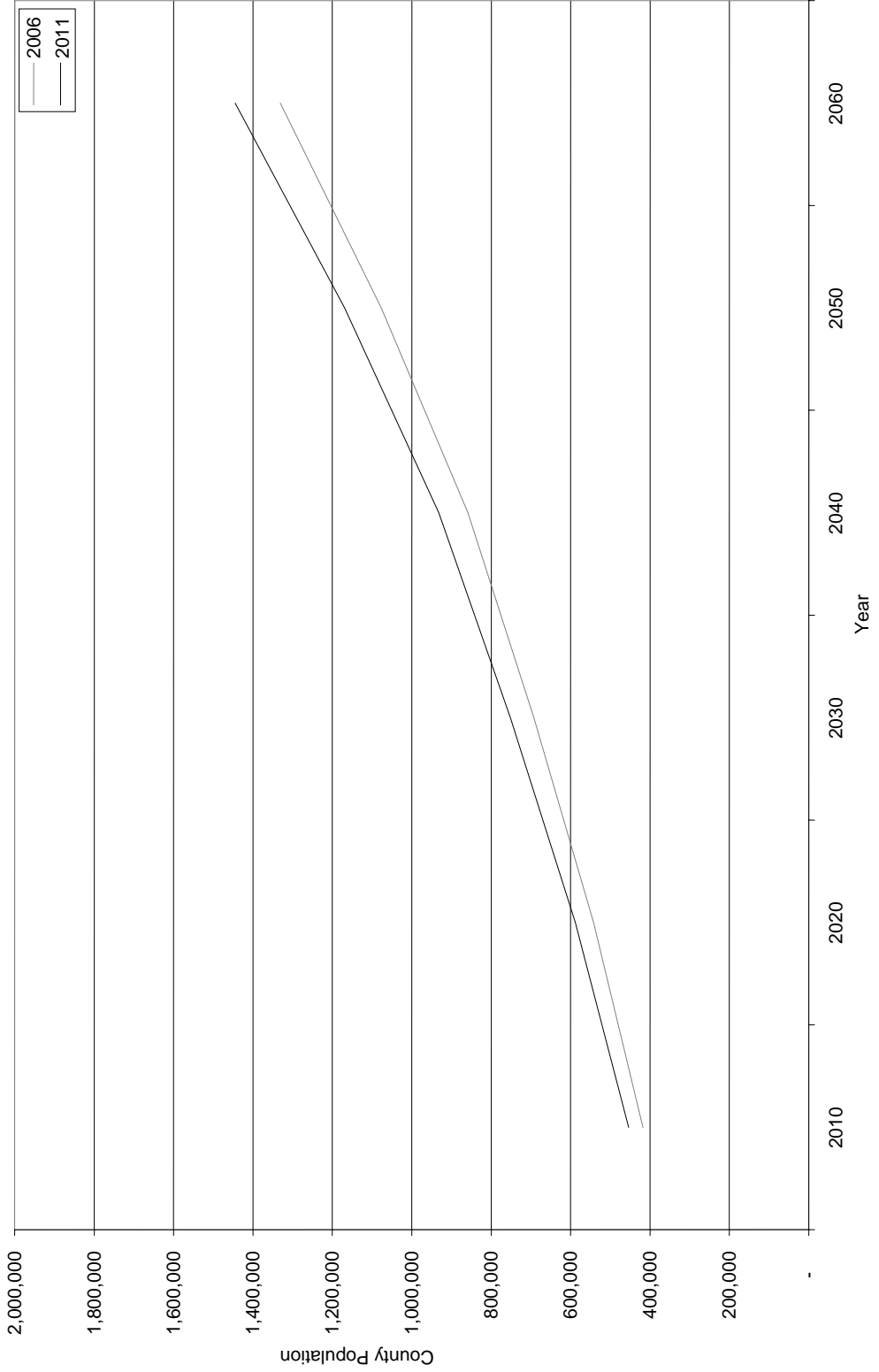


**Figure 2-7 (Continued)**  
**Comparison of County Population Projections**



**Figure 2-7 (Continued)**  
**Comparison of County Population Projections**

**Montgomery County Total Population Projections  
2006 RWP vs 2011 RWP**





## Appendix 2A

Sample WUG Survey Letter

This Page Intentionally  
Left Blank



AECOM  
5757 Woodway Suite 101 West, Houston, TX 77057  
T 713.780.4100 F 713.780.0838 www.aecom.com

April 1, 2009

City of Alvin  
216 West Sealy  
Alvin, TX 77511

**Subject: Region H Water Planning Group Projected Population and Water Demand for 2011  
Regional Water Plan**

Dear Water User Group Representative:

We are writing this letter on behalf of the Region H Water Planning Group. AECOM is the lead consultant for the Region H Planning Group that is currently engaged in the process of preparing the 2011 Regional Water Plan (RWP) for the region. This plan is submitted to the Texas Water Development Board (TWDB) and will be used to compile the 2012 State Water Plan (SWP).

The consultant team is currently working on allocating water supplies and demands for Water User Groups (WUGs) in our region to determine projected future water shortages for each WUG. A WUG consists of a demand center to which water resources can be allocated. Municipal WUGs are associated with populations, and the projections of these populations are used to estimate future water demands.

The development of demand projections is a crucial first step for the planning process. These demands are compared to available water supplies to generate an overview of expected shortages for the future. Once these shortages are identified, strategies are assigned to meet future needs. The water management strategies from the RWP will eventually be written into the SWP. This is important to WUGs because proposed water projects must be consistent with the SWP to be eligible for State funding.

In the 2006 RWP, population and demand projections were provided by the TWDB and based on a cohort-component methodology incorporating Year 2000 Census data. Because no revised Census data is available in time for development of the 2011 RWP, the consultant team has prepared population projections based on a number of sources including information from the Texas State Data Center (SDC). When there was no evidence to indicate otherwise, WUGs were assigned the same population and demand projections used in the development of the 2006 RWP.

The Region H Planning Group has requested that information regarding revised projections for the 2011 RWP be provided to each WUG so that corrections may be made as necessary. The table below shows the current water demands (acre-ft/year) and projected populations for your WUG for the next 50 years:

<b>2011 RWP Projections</b>	<b>2010</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>
WUG Projected Population:	23231	25123	26935	28605	30375	32223
WUG Projected Water Demand:	3123	3293	3440	3557	3743	3970

Please note that the above projected populations and water demands have been informally reviewed by the TWDB planning staff and have been deemed to be reasonable estimates of future needs.

We request a response to the projections shown above. We have established a secure website for your input and have provided a secure password to access the site and submit your response. Please login by clicking the link found at the web address given below and entering your unique login ID.

**Website:** [www.regionHwater.org](http://www.regionHwater.org)  
**Login ID:** [REDACTED]

April 1, 2009  
Page 2

We are asking that you review the population and demand projections for your WUG and determine if either:

1. The numbers represent reasonable projections and require no revision, or
2. You would like to revise your projections *and can provide information to backup your request*, such as a planning level study of your water system.

Note that some WUGs are split by either county or river basin boundaries and there may be multiple entries related to your WUG. These detailed projections are available from the website.

Please also note that the TWDB has requirements for accepting revisions to the sub-county (i.e., cities, utilities or rural areas) population projections. Justifiable reasons for changes to these populations include:

- population estimates of the Texas State Data Center, or other credible sources, are greater than projected populations used in the 2007 state water plan for the year 2010;
- population growth rates for a sub-county area as tabulated by the Texas SDC over the most recent five years is substantially greater than growth rates reported by the U.S. Census Bureau between 1990 and 2000;
- cities have annexed additional land since the 2000 Census; or
- water utilities have expanded their service areas since last updated by the Texas Commission on Environmental Quality.

Municipal water demands may be adjusted for WUGs with revised population projections. Similarly, if acceptable data sources indicate that a measured gallons per capita per day from years prior to 2000 is more representative of drought of record conditions, the TWDB will consider formal requests for revisions.

You may also contact me directly regarding your request. In order to meet the accelerated timeline of this planning round, we would like to receive all responses (either by web or direct contact through me) by **April 15, 2009**. Information received by this date will be incorporated into projections that will be reviewed and considered for approval by the Region H Water Planning Group at their scheduled May 6, 2009 meeting. WUGs are highly encouraged to submit recommended changes (if needed) by April 15th to guarantee consideration for adoption at the May 6<sup>th</sup> meeting.

The consultant team is working with the WUGs in the region to ensure that the 2011 Regional Water Plan accurately reflects the current and future water supply plans for the WUGs in order to reduce the need for plan amendments and to ease the process for obtaining funding for vital infrastructure improvements. Therefore, your input in this matter is critical to our planning and we appreciate any assistance you may be able to provide.

If you have any questions regarding this matter or wish to discuss further, please feel free to call me at (713) 267-3112 or email me at Jason.Afinowicz@aecom.com.

Sincerely,



Jason D. Afinowicz, P.E.  
Project Manager

JDA:mes

c: Project File

## Appendix 2B

Resolution by the Region H Regional Water  
Planning Group Regarding Population Projections  
for the 2011 Regional Water Planning Cycle

This Page Intentionally  
Left Blank

Resolution by the Region H Regional Water Planning Group Regarding  
Population Projections for the 2011 Regional Water Planning Cycle  
Adopted November 4, 2009

**WHEREAS**, the Region H Regional Water Planning Group (Region H) is charged with developing and adopting, with broad public input, a regional water plan every five years; and

**WHEREAS**, Region H received guidance from the Texas Water Development Board (TWDB) in a letter dated December 3, 2008 that indicated with the exception of steam-electric water demands, the TWDB (also referred to as the Board) is not generating new 2011 plan projections for approval by the Board; and

**WHEREAS**, TWDB indicated that planning groups may request that the Board consider revisions to 2006 Regional Water Plan and 2007 State Water Plan population and water demand projections if conditions in a given planning area have changed sufficiently to warrant revisions. The TWDB further indicated:

- The January 2007 population estimates from the Texas State Data Center will be used as the primary standard to determine if changed conditions warrant any revisions to population projections, both at the local and regional level; and
- The Texas State Data Center estimates indicate that current population growth is exceeding projected growth rates for Region H as a whole. Increased regional totals, commensurate with growth which has occurred, are likely justified for this region, subject to TWDB approval; and

**WHEREAS**, Region H in conjunction with its consultant, AECOM, reviewed available data and information from various sources, including the Texas State Data Center, Houston-Galveston Area Council, U.S. Census Bureau, Region H's 2006 population and water demand projections, and input from various regional water planning group members; and

**WHEREAS**, Region H developed a set of recommended population and water demand projections for each county in Region H based on three methods; and

**WHEREAS**, TWDB selected Method 2 as the preferred method for altering the population projections for Brazoria, Chambers, Fort Bend, and Montgomery Counties and Method 1 for Harris County. A county-level comparison summary of differences between the Method 2 projections and the Method 3 projections for Fort Bend County is attached (Attachment 1); and

**WHEREAS**, at a regularly scheduled meeting on February 4, 2009 in Conroe, Region H reviewed these projections for counties and AECOM proceeded to develop population projections for Water User Groups (WUGs); and

**WHEREAS**, after developing initial population projections, AECOM mailed documentation to the Water User Groups (WUGs) soliciting their input on their population and water demand projections; and

**WHEREAS**, through correspondence with TWDB, the TWDB demographers indicated that the overall projections of State population and State growth rate was a prime motivator for the TWDB staff limiting the population projections for Fort Bend County; and

**WHEREAS**, at a regularly scheduled meeting on May 6, 2009 in Conroe, Region H adopted these projections, excluding the City of Richmond, the City of Huntsville, and steam electric demand projections for Fort Bend and Galveston County, as its initially prepared projections for Water User Groups (WUGs), TWDB and the public to review and comment on; and

**WHEREAS**, after considerable debate and discussion among the group at its regular meeting on July 1, 2009 in Conroe, Region H decided to use the TWDB recommended population projections for Fort Bend County. During this discussion, planning group members expressed their concern that to continue forward and challenge the TWDB's staff recommendation on population projections for Fort Bend County may not be successful, but most importantly would put at risk the ability to develop a regional plan within the deadlines established by the TWDB; and

**WHEREAS**, Region H conducted two public meetings on May 6, 2009 and July 1, 2009 to receive comments from the public and WUGs; and

**WHEREAS**, Region H planning group members drafted a resolution for its consideration at its September 2, 2009 meeting as a method to express and document its concerns regarding the use of the TWDB recommended population projections for Fort Bend County for the 2011 plan. The planning group has expressed concerns that the adopted TWDB recommended population projections for Fort Bend County do not reflect the actual growth that it is seeing in the planning region over the recent past and expects to experience in the near future; and

**WHEREAS**, Region H planning group has compiled a comparison of population projections for Fort Bend County (Attachment 2) that illustrates the estimates and actual population projections for Fort Bend County since 1990;

**THEREFORE BE IT RESOLVED** that:

- (1) Region H desires to express its appreciation to the TWDB for recognizing that the region is seeing increased demands for water and has experienced significant population growth at a rate greater than expected in the approved 2006 Region H Plan. However, the planning group does not believe that the population projections developed with TWDB guidance described above and informally reviewed by the TWDB for the 2011 planning process for Region H captures all of the population growth that is being experienced in Fort Bend County and what is expected to be seen in the near future.
- (2) Region H's data review has shown that Fort Bend County is currently experiencing growth beyond what is projected in the submitted projections for the 2011 planning process but is aware that higher levels of growth will not be permitted by TWDB.
- (3) Given the tight plan development timeline requirements, Region H decided to move forward with adopting the population projections developed with TWDB guidance for Fort Bend County for the 2011 planning process in order to assure that Region H could develop and approve a regional plan that would meet the required TWDB planning process deadlines.
- (4) Region H urges the TWDB to consider starting the 2016 planning cycle population and water demand projection development as early as possible in order to provide additional time to consider new information at that time, including 2010 census data.

\_\_\_\_\_  
Judge Mark Evans, CHAIRMAN  
Region H Regional Water Planning Group

\_\_\_\_\_  
DATE

ATTEST:

\_\_\_\_\_  
Secretary

\_\_\_\_\_  
Date