

STATE OF TEXAS            )(  
COUNTY OF FORT BEND )(

**NOTICE OF PUBLIC HEARING**

NOTICE TO ALL COUNTY AND MUNICIPAL GOVERNMENTS,  
ALL INTERESTED PERSONS AND ALL WATER WELL OWNERS IN FORT BEND  
COUNTY;

NOTICE IS HEREBY GIVEN that a Public Hearing on Amending the  
District Regulatory Plan will be held by the Board of Directors of the Fort Bend  
Subsidence District, on Tuesday, June 21, 2022, at 9:00 a.m., at the Wm. B. Travis Bldg.,  
301 Jackson St., Richmond, Texas, in the sixth floor meeting room, for the purpose of  
considering testimony, evidence, exhibits and other information presented by any person  
concerning the proposed amendments to the District Regulatory Plan.



Michael Turco, General Manager  
Fort Bend Subsidence District  
P. O. Box 427  
Richmond, Texas 77406  
281-342-3273

# Fort Bend Subsidence District

## 2013 District Regulatory Plan

---



**FORT BEND  
SUBSIDENCE DISTRICT**

---

Adopted August 28, 2013 by FBSD Resolution 13-332  
Amended by FBSD Resolution XX-XXX

**Fort Bend Subsidence District**  
**301 Jackson St. Suite 639**  
**Richmond, TX 77469**  
**PO Box 427**  
**Richmond, TX 77469-0427**  
**(281) 342-3273**  
**[www.fbsubsidence.org](http://www.fbsubsidence.org)**

## Contents

PURPOSE AND INTENT .....	1
BACKGROUND.....	1
GROUNDWATER REGULATION .....	2
Permitting.....	2
Permit Fees.....	3
Regulatory Area Descriptions.....	4
Regulatory Area A .....	4
Regulatory Area B .....	4
Regulatory Area Map.....	5
Regulatory Area Requirements.....	6
Regulatory Area A .....	6
Regulatory Area B .....	7
DISTRICT PLAN ADMINISTRATION .....	8
Water Conservation and Efficient Management Practices .....	8
Surface Water Conversion and Other Alternative Water Supply Strategies .....	9
Groundwater Reduction Plans .....	9
Over-Conversion Credits .....	11
Water Conservation Program Credits .....	11
APPENDIX A: DEFINITIONS .....	13

Fort Bend Subsidence District  
2013 ~~District Regulatory~~ Plan

## PURPOSE AND INTENT

It is the purpose and intent of the ~~District Regulatory~~ Plan to establish policy in the areas of groundwater regulation, permits and enforcement and to establish District Regulatory Areas and regulatory requirements for each area.

The ~~District Regulatory~~ Plan was developed with an overall goal to reduce groundwater withdrawals to no more than 40% of total water demand. The ~~District Regulatory~~ Plan will be reviewed and may be amended as needed.

Groundwater withdrawal causes subsurface compaction, which causes subsidence and contributes Subsidence contributes to flooding, fault movement, and also damages wells and pipelines. The objective in the District is to reduce groundwater withdrawals that contribute to subsidence. In establishing these objectives, the District has taken into account the time and cost of introducing alternative water supplies. The District recognizes that the burden of controlling subsidence should be borne by all ~~users of~~ groundwater producers. Although a single permittee's groundwater withdrawal may not be capable of causing severe subsidence problems, the total actions by all permittees can cause significant subsidence. Therefore, every permittee is responsible for managing their withdrawals to help contribute toward reducing solving the subsidence ~~problem~~. To achieve the objectives for each Regulatory Area, the District must have discretion in permitting groundwater withdrawals and setting disincentive fee rates as a means of achieving the plan's goals.

This ~~District Regulatory~~ Plan prescribes ratios of groundwater withdrawal to total water demand. Nothing in this ~~District Regulatory~~ Plan, however, should be interpreted to mean that a permittee is entitled to use groundwater in any amount merely because the Plan prescribes a ratio for that specific Regulatory Area. Each permittee will be granted a permit based on a review of that permittee's need for water, availability of alternative water supplies, and prior beneficial use without waste.

## BACKGROUND

The Fort Bend Subsidence District (District) was created in 1989 by the State Legislature (Act of May 26, 1989, 71<sup>st</sup> Leg., R.S., ch. 1045 Tex. Gen. Laws 4251, codified as Chapter 8834, Special District Local Laws Code) as a conservation and reclamation district. The District was created "... to provide for the regulation of groundwater withdrawal in the district to prevent subsidence, which contributes to or precipitates flooding or overflow in the District, including rising water resulting from a storm or hurricane."

The District adopted its first ~~District Regulatory~~ Plan in September 1990. The initial plan focused on the need for better data and called for additional groundwater monitoring and subsidence measurements within Fort Bend County.

Since the 1990 ~~District Regulatory~~ Plan, the District has performed the following items:



## Fort Bend Subsidence District 2013 ~~District Regulatory~~ Plan

- Collected water-level measurements in both the Chicot and Evangeline Aquifers in Fort Bend County
- Collected and analyzed water quality samples from wells in the two aquifers
- Collected land-surface elevations throughout the county, consisting of re-levelings in 1995 and 2000 and the development of five GPS elevation sites operated on a monthly schedule
- Established updated population and water demand projections through the year 2030
- Developed and recalibrated the Mod-flow groundwater model
- Developed and recalibrated four subsidence models (PRESS Sites)
- Developed baseline and various regulatory scenarios to determine the effects of groundwater regulation on the aquifers
- Assisted or participated in numerous other studies related to water issues in and around Fort Bend County, including the Region H Water Planning Group and Groundwater Management Area 14.

The District will continue to collect data and evaluate groundwater conditions in Fort Bend County and take necessary actions to meet the purpose for which it was created. The District reviewed the 2003 ~~District Regulatory~~ Plan as part of a joint planning project from 2010 through 2012, and determined no changes in the plan are needed. The joint planning project updated population and water demand projections, groundwater models, subsidence models and subsidence projections. This 2013 ~~District Regulatory~~ Plan divides the District into two regulatory areas and one sub-area. The requirements contained within this ~~District Regulatory~~ Plan are based on the most current data and studies on water demand, aquifer levels, and projected subsidence. The Plan provides permittees organizational flexibility in meeting these regulations.

### GROUNDWATER REGULATION

This portion of the District's ~~Regulatory~~ Plan establishes policy for the District regarding groundwater regulation. These policies are designed to support the regulation of groundwater withdrawals to control subsidence on a regional basis. Because subsidence is a region-wide problem requiring solutions achieved through concerted efforts, the District will work with other political subdivisions in the region to implement this ~~District Regulatory~~ Plan.

### **Permitting**

The District may deny permits or limit groundwater withdrawals following the guidelines stated in the Act, the Rules of the District, and this ~~District Regulatory~~ Plan. In determining whether to issue a permit or limit groundwater withdrawal, the District will weigh the public benefit against individual hardship, after considering all appropriate documentation and relevant factors including:

1. the purposes of the District Enabling Act,
2. this ~~District Regulatory~~ Plan,
3. the quality, quantity, and availability of surface water or alternative water supplies at prices that are competitive with prices charged by suppliers of surface water in the District,

Fort Bend Subsidence District  
2013 ~~District Regulatory~~ Plan

4. the economic effect on the applicant of a decision to issue or deny the permit, or of the permit term, in relation to the effect on subsidence that would result;
5. the applicant's compliance with this chapter or any district rule, permit, or order; and
6. all other relevant factors.

## Permit Fees

The District's permit fees are intended to operate as an economic disincentive in order to regulate groundwater withdrawal. This 2003 ~~District Regulatory~~ Plan establishes a permit fee structure that includes a base fee and a disincentive fee.

The District's permit fees are established for the purpose of achieving certain regulatory objectives and the reduction of groundwater withdrawals. All funds collected from permit fees will be used for regulatory purposes.

**Base Fees:** This fee is applied to all of a permittee's permitted groundwater withdrawals.

Funds obtained from collection of base fees are used to cover the costs of issuing permits and performing other regulatory functions of the District.

**Disincentive Fees:** In addition to the base fee, a disincentive fee will be applied to permitted groundwater withdrawals that exceed the limits established by this District Plan, including any limit established by a Groundwater Reduction Plan ("GRP")-40% of a Regulatory Area A permittee's total water demand.

The purpose of the disincentive fee is to create a financial incentive to encourage permittees to take steps to ultimately reduce groundwater use ~~to no more than 40% of total water demand in Area A~~ according to the schedule set forth in this ~~District Regulatory~~ Plan. The disincentive fee can be avoided by reducing groundwater withdrawals ~~to no more than 40% of total water demand or~~ through actions in compliance with milestones contained in a certified ~~Groundwater Reduction Plan (GRP).~~ The disincentive fee is applied in each permit year that groundwater reduction requirements are not met.

Funds obtained from the collection of disincentive permit fees will be placed in a special account for the purpose of expediting reductions in groundwater withdrawal, the development of water conservation measures, and other alternative water supply strategies. The District's enabling legislation authorizes the use of these funds to provide grants or loans for purposes such as financing the design and construction of alternative source water treatment and transmission facilities. The District will also consider various alternative means, including coordination with other agencies, for the distribution of any such funds.



Fort Bend Subsidence District  
2013 ~~District Regulatory~~ Plan

## Regulatory Area Descriptions

The District is divided into two regulatory areas (Area A, ~~which includes the Richmond/Rosenberg Sub-Area~~, and Area B), described in detail below and pictured on the following map.

### Regulatory Area A

- Beginning at the intersection of longitude 95 ° 55' 00" west and the Fort Bend/Waller County line follow this line of longitude south to the point at 29 ° 32' 30" north latitude.
- Thence, east along this line of latitude to the point at 95 ° 52' 30" west longitude.
- Thence, south along this line of longitude to the point at 29 ° 27' 30" north latitude.
- Thence, east along this line of latitude to the point at 95 ° 45' 00" west longitude.
- Thence, south along this line of longitude to the point at 29 ° 25' 00" north latitude.
- Thence, east along this line of latitude to the intersection of longitude 95 ° 07' 30" west and the Fort Bend/Brazoria County line.
- Thence, generally north and east, following the Fort Bend/Brazoria County line to the intersection of the Fort Bend, Brazoria, and Harris County boundaries.
- Thence, generally northwest, following the Fort Bend/Harris County line to the intersection of the Fort Bend, Harris, and Waller County boundaries.
- Thence, generally southwest, following the Fort Bend/Waller County line back to the intersection with longitude 95 ° 55' 00" west.

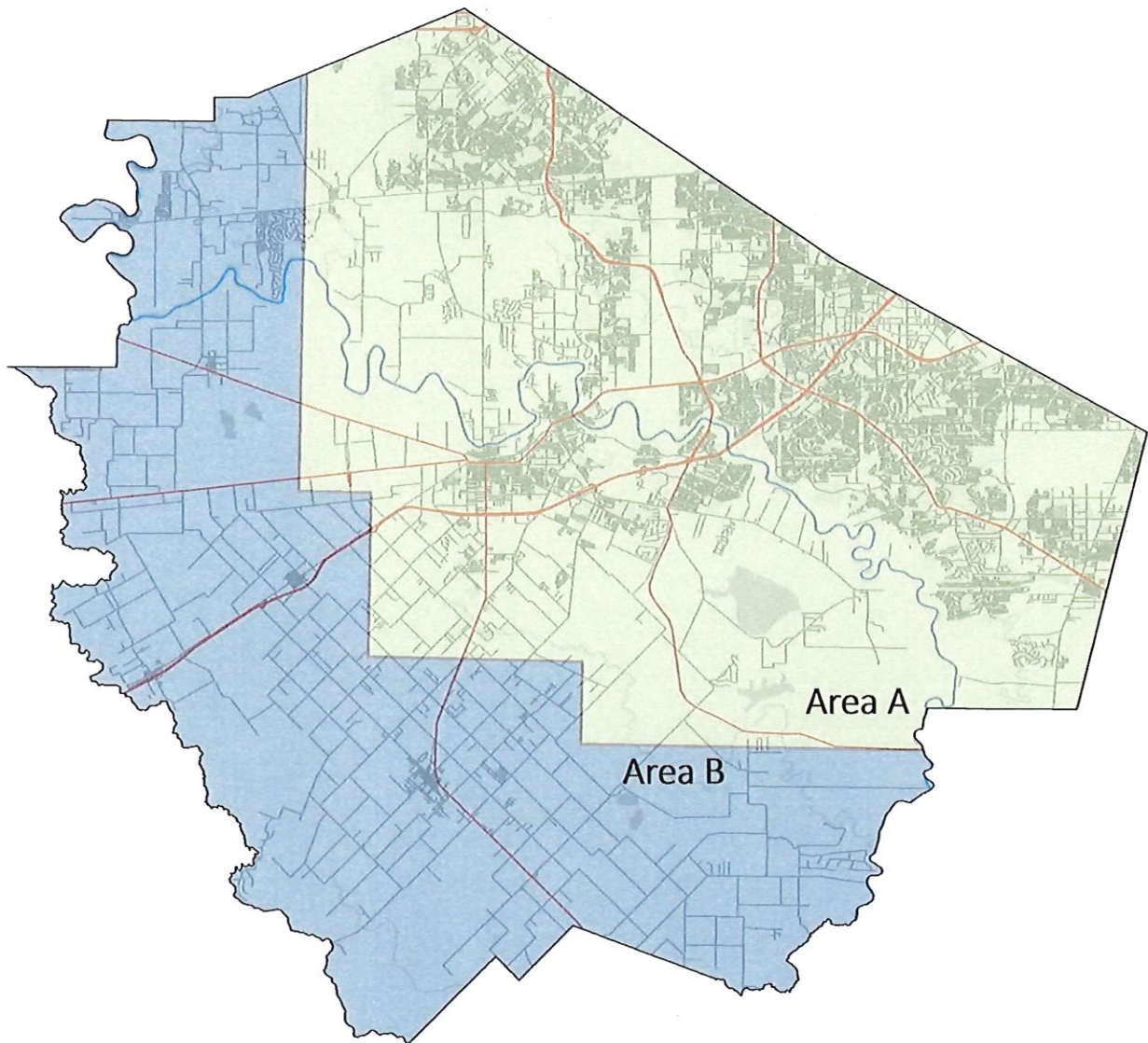
### ~~Richmond/Rosenberg Sub-Area~~

- ~~Beginning on the Area A/B boundary, at the intersection of longitude 95 ° 55' 00" west and latitude 29 ° 35' 00" north, follow this line of latitude east to the point at longitude 95 ° 45' 00" west.~~
- ~~Thence, south along this line of longitude to the Area A/B boundary at the intersection of longitude 95 ° 45' 00" west and 29 ° 27' 30" north.~~
- ~~Thence, generally northwest, following the Area A/B boundary back to the intersection with latitude 29 ° 35' 00" north and longitude 95 ° 55' 00" west.~~

### Regulatory Area B

- The remaining portion of Fort Bend County that lies outside of Regulatory Area A.

## Regulatory Area Map



Map showing the locations for Regulatory Area A and Regulatory Area B.



Fort Bend Subsidence District  
2013 ~~District Regulatory~~ Plan

## Regulatory Area Requirements

### Regulatory Area A

1. Following adoption of the District's ~~Regulatory~~ Plan, the District required unconverted permittees to begin a planning process to define acceptable methods necessary to meet the groundwater compliance requirements established within this ~~District Regulatory~~ Plan. Several Groundwater Reduction Plans have been approved by the Board of Directors, and the District will continue to monitor implementation of those plans.
2. Two or more permittees may enter into contractual agreements to share costs or cooperate in ways that achieve orderly reductions in total groundwater use and conversions to alternative water supplies. Permittees may join with or form new regional entities for the purpose of reducing groundwater withdrawal. Individual permittees will be waived from separate compliance with groundwater reduction requirements when they form a group that achieves collective compliance with the regulatory area requirements.
3. ~~A Beginning in January, 2014, a permittee (or a group of permittees operating under an approved GRP a single permit) shall be required to reduce and maintain their groundwater withdrawals to comprise no more than 70% of the group's permittee's total water demand. For permits beginning January 1, 2027 and thereafter, a group of permittees operating under an approved GRP shall reduce and maintain their groundwater withdrawals to comprise no more than 40% of the group's total water demand, except that permittees whose wells are located within the Richmond/Rosenberg Sub Area shall be required to meet the reduction requirements beginning in January 2016. A permittee with an aggregate system that is split between Regulatory Area A and the Richmond/Rosenberg Sub Area will be required to meet the reduction requirements applicable to the Richmond/Rosenberg Sub Area.~~
4. ~~A Beginning in January, 2025 and continuing thereafter, a permittee (or a group of permittees operating under a single permit) shall be required to reduce and maintain their groundwater withdrawals to comprise no more than 40% of the permittee's total water demand.~~
5. ~~A Beginning in 2008, a~~ disincentive fee is applied to any groundwater withdrawals that constitute greater than 40% of a permittee's (or a group of permittee's operating under an approved GRP ~~a single permit, within the same regulatory area~~) total water demand if a permittee has not developed and received certification of a GRP or if a permittee is not in compliance with the reduction schedule found in Items 3 and 4 of this section or with the elements identified in their certified GRP.

Fort Bend Subsidence District  
2013 ~~District Regulatory~~ Plan

**Regulatory Area A - Exemptions:**

1. Permits for irrigating agricultural crops, as defined in the District Rules, are exempted from groundwater reduction requirements and disincentive fees set forth in the District ~~Regulatory~~ Plan. However, all permittees are encouraged to use best management practices to reduce groundwater withdrawals.
2. Permittees with a total water demand of 10.0 million gallons per year (MGY) or less are exempted from groundwater reduction requirements and disincentive fees until such time that an alternative water supply is available. When an alternative water supply is available to a site, permittees under the 10.0 MGY exemption, will be required to reduce their groundwater withdrawal to no more than 40% of their total water demand, unless the permittee is in compliance with a certified Groundwater Reduction Plan.
3. Groundwater withdrawn for the purpose of watering livestock may be exempted from groundwater reduction requirements and disincentive fees. Permittees may apply for this exemption as part of the regular permit process, and must demonstrate the groundwater withdrawn will be used for watering livestock and that Fort Bend County has granted an agricultural property tax exemption to the land where the well is located and the place of use of for the groundwater. All exemptions based on livestock usage will be considered during regular, annual permitting process. Livestock exemptions are granted at the discretion of the Board of Directors and are not considered permanent exemptions.
4. A permittee that does not have an available alternative water supply, is not located in the service area of any regional water supplier, and presents an acceptable groundwater conservation plan to the District may be exempted from that Regulatory Area's groundwater reduction requirements and disincentive fees. The groundwater conservation plan must be presented to the Board of Directors for approval as part of that permittee's permit renewal no less than once every five years. The plan must provide for an annual report to the District and the Board of Directors may add requirements or adjust deadlines as needed to ensure maximum conservation is achieved. The District may, as part of that permittee's permit renewal consideration, determine that an alternative groundwater supply is available and therefore rescind the exemption and reduce the permit accordingly.

Regulatory Area B

1. Increases in groundwater withdrawal, regardless of use type, may be permitted by the District, through regular permitting procedures, as adopted by the District.
2. Groundwater withdrawn in this area for uses other than agricultural irrigation shall not be supplied to any areas inside the boundary of Area A, unless the permittee can demonstrate that the groundwater was withdrawn for use in a single, aggregate system prior to September 24, 2003.



Fort Bend Subsidence District  
2013 ~~District Regulatory~~ Plan

3. Permittees within Area B are not subject to groundwater reduction requirements and disincentive fees at this time. The District will continue to evaluate water-level and subsidence conditions within the boundaries of Area B and may adopt groundwater reduction requirements in the future as necessary, to meet the goals of the District. Permittees that adopt an approved Groundwater Reduction Plan and reduce groundwater demand through conversion to alternative water supplies before any requirements become effective may qualify for over-conversion credits.

## **DISTRICT REGULATORY PLAN ADMINISTRATION**

This section provides guidance for fulfilling milestone requirements in this Regulatory Plan. The District has developed a regulatory approach that provides a hierarchy of options to consider when evaluating how to reduce reliance on groundwater. Implementation of these options could significantly reduce a permittee's groundwater need while not requiring this reduction to come totally from surface water.

The evaluation of strategies for meeting water demands involves an analytical process, which requires an integrated examination of the following options:

1. Efficient Management Practices -- the applicant should pursue all feasible measures to assure efficient management of the applicant's water supplies in order to minimize groundwater usage;
2. Water Conservation -- the applicant should consider the implementation of aggressive water conservation measures;
3. Surface Water Conversion -- the applicant should initiate implementation of surface water conversion.
4. Other Alternative Water Supply Strategies -- the applicant is encouraged to investigate other alternative water supply strategies, including but not limited to reuse projects, to meet reduction requirements.

### **Water Conservation and Efficient Management Practices**

Measurable reductions in groundwater withdrawals can be achieved through the use of water conservation measures and efficient management practices. Conservation measures and efficient management practices result in the overall reduction of total water demand, which reduces both the need for groundwater and alternative water supplies. The District encourages the use of any conservation measures and efficient management practices that reduce total water demand. The District may require permittees to submit water conservation and drought management plans with implementation measures, to preserve and protect groundwater resources within the District's boundaries. Measures that can be implemented include, but are not limited to:



Fort Bend Subsidence District  
2013 ~~District Regulatory~~ Plan

1. Audits of facilities to determine what measures can be used to reduce water consumption such as irrigation schedules and installation of low-flow toilets or other water conservation devices.
2. Leak detection, water audits, and other efficient management practices that improve overall system accountability.
3. Installation of water efficient appliances such as washers, dishwashers, etc.
4. For municipal users, rebate programs for installation of low-flow toilets, low water use appliances, ~~and/or~~ retrofit kits which include items such as low-flow shower heads, faucet aerators, shut-off valves, flow restrictors, and toilet leak detection dye tablets.
5. Adoption of educational programs such as “Learning to be Water Wise™”
6. Education of the public through water conservation pamphlets.
7. Pricing policies that discourage excessive and wasteful water use practices.

## Surface Water Conversion and Other Alternative Water Supply Strategies

Reductions in groundwater withdrawals will be achieved through surface water conversion or other alternative water supply strategies, including but not limited to reuse, use of treated effluent, and desalinated water. Conversion to alternative water supplies meets the District’s requirements for reducing groundwater withdrawals to a certain percent of total water demand. All alternative water supplies must be metered in order to satisfy the District’s groundwater reduction requirements.

## Groundwater Reduction Plans

Permittees eligible to submit Groundwater Reduction Plans in Regulatory Area A are required to submit GRPs for groundwater reductions in compliance with the deadlines in this Regulatory Plan. All GRPs must, at a minimum, include details of the strategies and steps necessary to achieve the groundwater reduction requirements for Area A, as stated previously.

Permittees in Area A who are not otherwise exempt may avoid disincentive fees through certification of their GRP ~~by the beginning date of their permit term in 2008 (2010 for permittees in the Richmond/Rosenberg Sub Area). The District may adopt a schedule, by rule or resolution, for GRPs to be submitted for review. In order to allow time for review, permittees should plan on submitting GRPs to the District for certification prior to filing an application for renewal or for a new well, beginning, in January, 2008 (2010 for permittees in the Richmond/Rosenberg Sub Area).~~

Fort Bend Subsidence District  
2013 ~~District Regulatory~~ Plan

Minimum requirements for an acceptable GRP include:

1. Identification of current and projected total water demand

- The data must be from a source agreed upon by the District and the permittee
- Projections must be for a time period consistent with Plan's requirements through the year 2030.
- Reasons detailing significant projected increases or decreases in groundwater total water demand

2. Plans for groundwater reduction

Option 1 – Conversion to alternative water supplies

- Definition of infrastructure requirements to meet permittee's projected total water demand
- Timetable showing what infrastructure will be constructed by specific dates to meet projected requirements
- Explanation of how infrastructure costs will be financed
- Identification of source and amount of alternative water supply and water provider
- Evidence (executed contractual agreement ~~and/or~~ financial commitment) that the water supplier has sufficient water supplies ~~and/or~~ rights and is committed to meet the permittee's present and projected demands
- Preliminary engineering report of the proposed facilities to be constructed through year 2014 including a description of the proposed project and area maps.
- Conceptual schematic plans of the proposed facilities to be constructed for the year 2025 requirements.

Option 2 – Conservation

- Evidence of the maximum total water demand for a 12-month period between January 1, 2005 and December 31, 2008. For any permittee that chooses this option, the maximum total water demand selected shall be used as the total water demand for all Regulatory Plan calculations.
- Timetable showing what conservation measures will be implemented by specific dates to meet projected requirements.
- A schedule of the amount of groundwater to be withdrawn each year of the plan including the planned groundwater withdrawal reductions for Regulatory Area A.
- Identification of source and amount of alternative water supply and water provider, if any, as needed to meet the groundwater withdrawal limits.
- Conceptual schematic plans of the proposed facilities to be constructed for the year 2025 requirements.

3. Specific details of any conservation measures ~~and/or~~ efficient management practices to be implemented.



Fort Bend Subsidence District  
2013 ~~District Regulatory~~ Plan

4. Description of how over-conversion credits ~~and~~/or water conservation credits would be used by the permittee (or group of permittees).
5. Other information reasonably necessary for an adequate understanding of the project.

Permittees must select either Option 1 or Option 2 at the time they submit their Groundwater Reduction Plan. Plans submitted under Option 1 may include an increase in groundwater withdrawals as total water demand increases as long as the groundwater withdrawals do not exceed the designated ratio to alternative water supplies. A permittee selecting Option 1 may include water conservation measures for all or a portion of the wells included in that GRP. Plans submitted under Option 2 are not required to include alternative water supplies as long as the total annual amount of groundwater withdrawn meets the designated reduction percentages.

## Over-Conversion Credits

~~Over-conversion~~ District staff has ~~evaluated the concept of using over-conversion~~ credits may be used to facilitate the accomplishment of early and over-conversion in Regulatory Area A. ~~The and has recommended that the~~ Board of Directors ~~adopted-adopt~~, by resolution, a Regulatory Area A Over-Conversion Credit Policy, which establishes ~~would-establish~~ a uniform policy and procedure governing the issuance and redemption of over-conversion credits. District staff and consultants evaluated and modeled a proposed over-conversion scenario by using the District's groundwater model and subsidence PRESS models and have determined that the modeled over-conversion scenario, which included a gallon-for-gallon over-conversion credit, resulted in a net benefit in terms of a reduction in ~~subsidence-prevention~~.

The ~~recommended~~ over-conversion credit policy allows ~~would allow~~ entities in Regulatory Area A to reduce groundwater withdrawals and convert to alternative water supplies (including metered reuse) ~~prior to the 2014 conversion date and/or~~ in excess of the conversion requirements ~~after 2014~~ in exchange for credits ~~a credit~~ that could be used to offset future under-conversions.

## Water Conservation Program Credits

In October of 1999, the District began sponsoring fifth grade students in a water conservation program entitled "Learning to be WaterWise." The award-winning program is a combination education and plumbing retrofit program implemented in local school districts utilizing a specialized water conservation resource action program that includes teacher curriculum and resource materials and a student kit containing plumbing retrofit devices.

As a means of encouraging water conservation and generating support for the WaterWise program, District staff has evaluated the concept of establishing a water conservation credit program in which entities who sponsor students in the WaterWise program would receive a water conservation credit certificate worth a certain amount of groundwater based on the number of students sponsored (84,000



Fort Bend Subsidence District  
2013 ~~District Regulatory~~ Plan

gallons per student sponsored). District staff has recommended that the Board of Directors adopt, by resolution, the “Learning to be WaterWise” Water Conservation Program, which would establish a uniform policy and procedure governing the issuance and redemption of water conservation credits.

## **APPENDIX A: DEFINITIONS**

“Act” means District’s enabling legislation (Chapter 8834, Special District Local Laws Code).

“Alternative Water Supply” means metered water from any source that meets the regulatory requirements of the Regulatory Plan including but not limited to: surface water, reuse water, treated effluent, desalinated water, or water from a public water supply. Water obtained from any supplier that is in compliance with an approved groundwater reduction plan shall be considered an alternative water supply. Groundwater may only be utilized as an alternative water supply when it is provided as part of an approved groundwater reduction plan. Groundwater withdrawn from any county outside the District does not qualify as an alternative water supply unless the permittee can demonstrate that the groundwater withdrawals will not cause groundwater level declines or subsidence within the District.

“Regulatory Area” means a geographical area designated by the Board in which regulatory policy will be applied.

“Board” means the Board of Directors of the Fort Bend Subsidence District.

“Conservation” means water saved through efficient practices and technology.

“Contractual Agreement” means the entire agreement made between the parties where one party agrees to provide a specified amount of alternative source water to another for a specified period of time.

“District” means the Fort Bend Subsidence District.

“GRP” means Groundwater Reduction Plan

“Groundwater” means water located beneath the earth’s surface but does not include water produced with oil in the production of oil and gas.

“Livestock” means cattle, horses, mules, asses, sheep, goats, llamas, alpacas, exotic livestock, and hogs.

“Over-Conversion Credit” means a credit issued by the District to a permittee (or group of permittees) who reduces groundwater pumpage beyond District requirements, redeemable pursuant to District policies.

“Permittee” includes any person (see below) to whom the District issues a water well permit allowing the withdrawal of a specified amount of groundwater for a designated period of time. Permittee may also include a group of individual entities, within the same regulatory area who have contracted together to operate under a single permit in order to meet groundwater reduction requirements.

Fort Bend Subsidence District  
2013 ~~District Regulatory~~ Plan

“Person” includes corporation, individual, organization, government or governmental subdivision or agency, business trust, estate, trust, partnership, association, or any other legal entity.

“Preliminary Engineering” means the amount of engineering necessary to define the infrastructure needs of the project, to determine the feasibility and projected construction timetable of the project, and to establish reliable cost estimates. The requirement of preliminary engineering is not intended to include preliminary construction plans for the entire submittal, however, that level of detail could be required for specific components. The District will make the final determination of whether a proposed GRP meets the definition of preliminary engineering.

“Subsidence” means the lowering in elevation of the surface of land by the withdrawal of groundwater.

“Total Water Demand” means: for permittees that select Option 1 for their Groundwater Reduction Plan, the amount of groundwater, surface water, and other alternative water supplies being utilized by a permittee to meet annual water needs and for permittees that select Option 2 for their Groundwater Reduction Plan, the maximum amount of groundwater, surface water, and other alternative water supplies actually utilized by the permittee to meet annual water needs for a 12-month period between January 1, 2005 and December 31, 2008.

“Water Conservation Program Credit” means a credit issued by the District for sponsorship of students in the District’s water conservation program, redeemable pursuant to District policies.

“Well” means any excavation, facility, device or method that could be used to withdraw groundwater.

“Withdraw” means the act of extracting groundwater by any method.



## **FBSD REGULATORY AREA A OVER-CONVERSION CREDIT POLICY**

Permittees in Regulatory Area A who exceed the District's groundwater reduction requirements may request over-conversion credits for the amount of alternative water supply that they utilize over and above the amount of reduction required in the District Plan. Over-conversion credits will be issued, administered, and redeemed in accordance with this policy.

### **1. Issuance of Over-Conversion Credits**

At the time of permit issuance, a permittee must notify the District of the permittee's intention to seek over-conversion credits and the estimated amount of over-conversion the permittee plans to achieve. Over-conversion credits will only be issued to permittees achieving at least 10 million gallons of over-conversion during the permit term.

A permittee may request a permit for the maximum amount of groundwater that the permittee is allowed to withdraw under the applicable groundwater reduction requirements. At the end of the permit term, the permittee will be issued over-conversion credits for any amount of alternative water supply (as defined in the District Plan) utilized by the permittee in excess of the amount of conversion required as follows:

For permits with a begin date prior to December 31, 2024, groundwater withdrawals comprise no more than 70% of the permittee's total water demand.

For permits with a begin date on or after January 1, 2025, groundwater withdrawals comprise no more than 40% of the permittee's total water demand.<sup>1</sup>

For the purpose of determining the amount of over-conversion credits to be issued, the amount of conversion required will be determined at the end of the permit term based on actual total water demand. The permittee shall provide the District with evidence of metered groundwater use and metered alternative water supply used. Over-conversion credits will be issued in the form of a District over-conversion credit certificate stating the amount of credit in gallons. For any metered alternative water supply other than treated effluent, over-conversion credits will be issued on a gallon for gallon basis. For over-conversion achieved through the reuse of treated effluent, the permittee will receive 1.5 gallons of credit for each gallon of over-conversion.

At the end of the permit term, the permittee may request a permit fee rebate for the amount by which the permittee's estimated total water demand (determined at the beginning of the permit term) exceeds the actual total water demand (measured at the end of the permit term), provided that (1) the amount of the rebate exceeds \$100, (2) water meters were installed and operating on both groundwater and alternative water sources during the entire permit term, and (3) if the well or wells are for public supply, the ratio of water sold or otherwise accounted for to

---

<sup>1</sup> Although the deadline for achieving the goal to reduce groundwater withdrawals to no more than 40% of total water demand is 2027, beginning January 1, 2025, over-conversion credits may only be earned if the 40% goal is met.

total water produced is at least 85%. The procedures for submitting and approval of an application for a permit fee rebate under this paragraph will be governed by district rule.

Permit fees will be based on the amount of permitted allocation. Over-conversion credits will not be issued on any amount of water for which permit fees have not been paid.

## 2. Redemption of Over-Conversion Credits

A permittee may utilize over-conversion credits for any amount of groundwater requested that exceeds the applicable groundwater reduction requirements without becoming subject to payment of a disincentive permit fee. The permittee will be required to pay the regular permit fee for the amount of groundwater allocation requested, including the over-conversion credits. Over-conversion credits may only be applied to groundwater pumpage occurring in Regulatory Area A.

Over-conversion credits are issued as certificates that may be sold or otherwise transferred without the involvement of the District. The District will honor valid over-conversion credit certificates by increasing the amount of authorized withdrawal for the permittee who presents that certificate.