

# **Drought Contingency Plan**

for

**San Jacinto River Authority  
Highlands Division**

Prepared by

**San Jacinto River Authority**

**Adopted: March 27, 2014**

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## Section 1. Introduction

In 1996, severe drought conditions affected every region of the State. Water systems throughout the State were forced to cope with water shortages or system capacity problems. In response to the 1996 drought, the 75<sup>th</sup> Texas Legislature enacted Senate Bill 1, which directed the State to take a regional approach to water planning. One of the provisions of the legislation required the Texas Commission on Environmental Quality (TCEQ) to adopt rules requiring wholesale and retail public water suppliers to develop water conservation and drought contingency plans.<sup>1</sup>

Water conservation and drought contingency plans work together to help Texans manage short-term and long-term water shortages. The goal of a water conservation plan is to achieve lasting, long-term improvements in water use efficiencies using strategies to reduce the amount of water withdrawn from a particular source, and to ensure that the water withdrawn is used in an efficient manner. Drought contingency plans are short-term in nature, using temporary supply and demand management measures in response to temporary and potentially recurring water shortages and other emergencies.

The San Jacinto River Authority (SJRA), as a water right holder and wholesale water supplier, is required to submit a Water Conservation and Drought Contingency Plan to the TCEQ and Texas Water Development Board (TWDB). SJRA was created by the Texas Legislature in 1937 to:

*“Provide water for domestic, municipal, commercial, industrial and mining purposes within and without the watershed of [the San Jacinto River], including water supplies for cities, towns and industries, and in connection therewith to construct or otherwise acquire water transportation, treatment and distribution facilities and supplemental sources of water.”<sup>2</sup>*

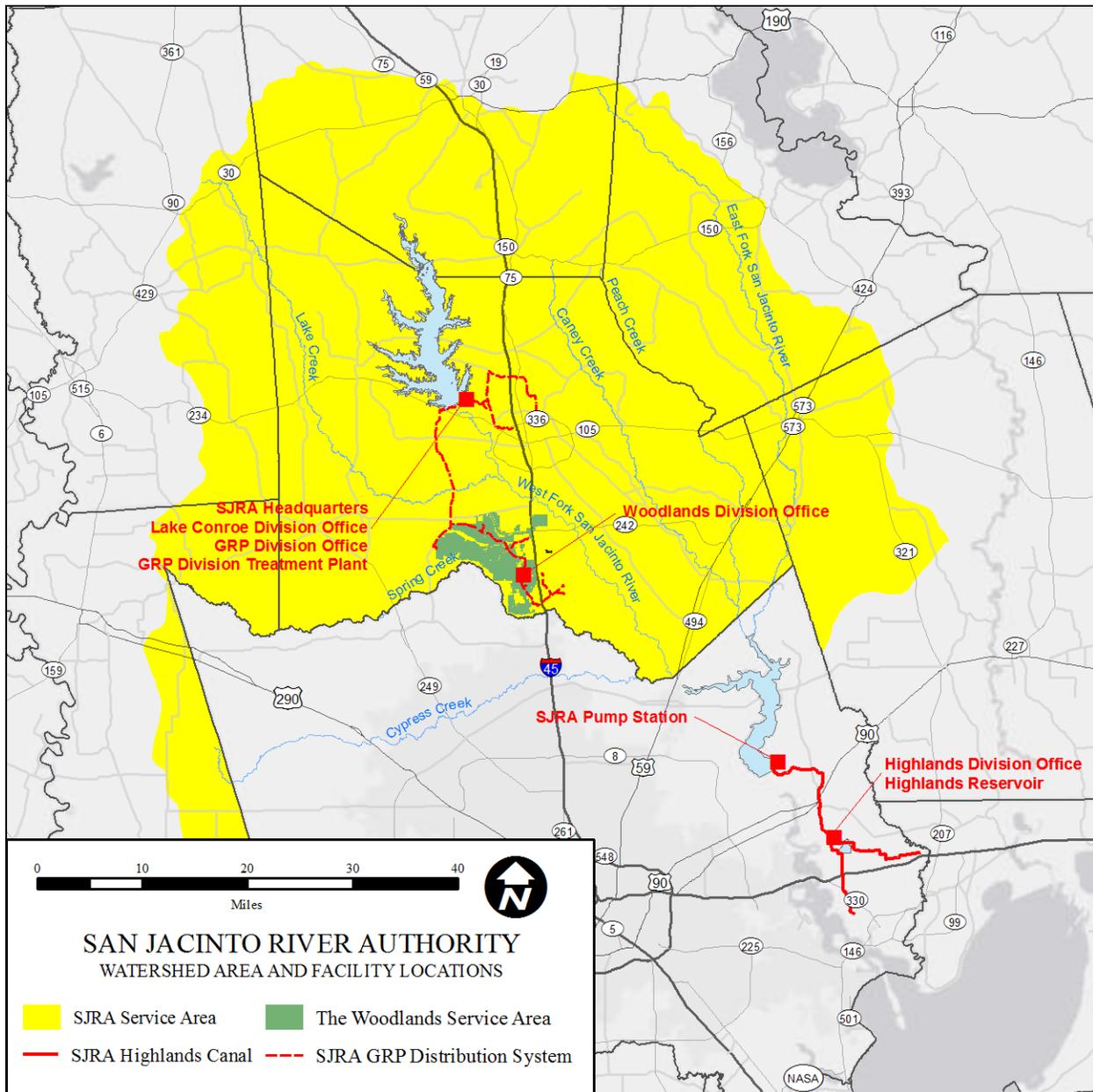
The SJRA service area includes all of Montgomery County and portions of Waller, Grimes, Walker, San Jacinto, and Liberty Counties (Figure 1-1). The SJRA also serves customers in the Houston area and is authorized to operate in east Harris County through an agreement with the City of Houston.

SJRA is governed by a seven-member board. The General Manager oversees approximately 145 employees and all facilities across four divisions: Lake Conroe, Highlands, Groundwater Reduction Plan (GRP), and The Woodlands Divisions. The following is provided as the Drought Contingency Plan (including utility description, service area description, and drought measures) for the Highlands System Division (the Division). The Division’s Water Conservation Plan is provided under separate cover.

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<sup>1</sup> Senate Bill 1, 75th Legislature, Section 12.1272 of the Texas Water Code.

<sup>2</sup> House Bill No. 832, 45th Legislature, Regular Session, Austin, TX, 1937.



**Figure 1-1. Watershed Area and Facility Locations**

## **Section 2. Utility and Service Area Description**

### **2.1 Utility Description**

In 1945, SJRA purchased the Highlands Canal System, which serves municipal, industrial, and agricultural customers in southeast Harris County. Water available for this system is obtained from the following:

The SJRA obtained a 55,000 ac-ft/yr run-of-the-river right Certificate of Adjudication (COA) 10-4964 from water stored in and diverted from Lake Houston. Through 27 miles of canal, the Highlands Canal System conveys water to the 1,400-acre Highlands Reservoir, which serves as a regulating reservoir for the system, south to Baytown and east to the Cedar Bayou area.

In 1994, SJRA and the Devers Canal Rice Producers Association (DCRPA) purchased the bulk assets of Trinity Water Reserve, Inc. Those assets included the Devers Canal System, which covers parts of Liberty, Chambers, and Jefferson Counties, and Permit No. 5271, which authorizes a 58,500 ac-ft/yr diversion from the Trinity River at a point in south central Liberty County. The purchase arrangements included the transfer of 56,000 ac-ft/yr of water rights to SJRA. The remaining 2,500 ac-ft/yr of water rights was transferred to DCRPA. Permit No. 5271 was successfully amended to reflect the purchase arrangement. SJRA's 56,000 ac-ft/yr right is permitted for multiple uses. A portion of this water is also utilized to serve industrial customers in southwest Harris County. The water is conveyed through a canal system owned and operated by the Coastal Water Authority and diverted to the Highlands canal system south of Highlands Reservoir.

In 2003, SJRA purchased 30,000 ac-ft/yr of Trinity River water rights from the Chambers Liberty Counties Navigation District (CLCND) under Certificate of Adjudication No. 08-4279.

In 2004, SJRA was granted 14,944 ac-ft/yr of water rights associated with groundwater based effluent return flows from its three wastewater treatment plants in the San Jacinto River Basin (Permit 5809). A portion of this water is also utilized to serve customers in southeast Harris County.

In 2008, the SJRA was granted 14,100 ac-ft/yr of unappropriated firm yield (additional storage) of Lake Houston under Permit No. 5807.

In 2009 the SJRA was granted 40,000 ac-ft/yr of yield (additional run-of-river) from the San Jacinto River to be diverted at Lake Houston through Permit No. 5808. This supply is considered interruptible based on flow conditions within the San Jacinto River but may be utilized within SJRA's service area.

SJRA operates Lake Conroe, one of two major surface water supply reservoirs located in the San Jacinto River Basin. Completed in 1973, Lake Conroe is owned by SJRA and the City of Houston. SJRA owns one-third (33,333 ac-ft/yr) and the City of Houston owns two-thirds (66,667 ac-ft/yr) of the total

100,000 ac-ft/yr permitted water rights from the lake under Certificate of Adjudication (COA) 10-4963. Lake Conroe's availability to the Highlands Division will be extremely limited due to use of the lake as a supply for the GRP Division. SJRA operates the Highlands Reservoir as a regulating reservoir. Lake Houston, which is owned by the City of Houston, is the other surface water supply reservoir in the basin.

SJRA meets raw wholesale raw water needs in the Highlands Division surface area through a combination of sources. Water from run-of-river COA 10-4964 and Permit 10-5808, along with Lake Houston reservoir yield from Permit 10-5807, is diverted at Lake Houston to supply the Highlands Canal System. Additional rights in the Trinity River as appropriated in Permit 08-5271 are utilized via the CWA conveyance system as previously described. A portion of the reuse authorized under Permit 10-5809 has also been utilized by the Division. SJRA's supplies are summarized in Table 2-1 below.

**Table 2-1. SJRA System-Wide Water Portfolio**

<b>Source*</b>	<b>Permitted Amount (ac-ft/yr)</b>
Trinity River (COA 08-4279)	30,000
Lake Conroe (COA 10-4963)	33,333
Lake Houston (COA 10-4964)	55,000
Trinity River (Permit 08-5271)	56,000
Lake Houston (Permit 10-5807)	14,100
Lake Houston (Permit 10-5808)	40,000
Reuse (Permit 10-5809)	14,944

\*Please note that not all water sources shown are available to all SJRA Divisions.

## 2.2 Service Area Description

The approximately 2,314-square mile SJRA watershed area of the San Jacinto River Basin is bounded on the north and the east by the Trinity River Basin and the Trinity-San Jacinto Coastal Basin, on the west by the Brazos River Basin, and on the south by Harris County. The Division is a wholesale provider of surface water (via the Highlands canal system) for industrial, agricultural, and public water supply uses. Figure 2-1 illustrates the layout of the Highlands canal system.

Via the Highlands canal system, the Division is a wholesale provider of raw surface water to the Crosby MUD, Newport MUD, and Barrett Station (Figure 2-2), industrial customers in the Baytown and Cedar Bayou areas, and turf farms. In 2013, there were 68,493 ac-ft diverted from the system (Table 2-2). The Division does not own or operate wastewater infrastructure.

**Table 2-2. 2013 Surface Water Diversion**

Municipal	1,573 ac-ft
Industrial	66,699 ac-ft
Irrigation	221 ac-ft
Total	68,493 ac-ft

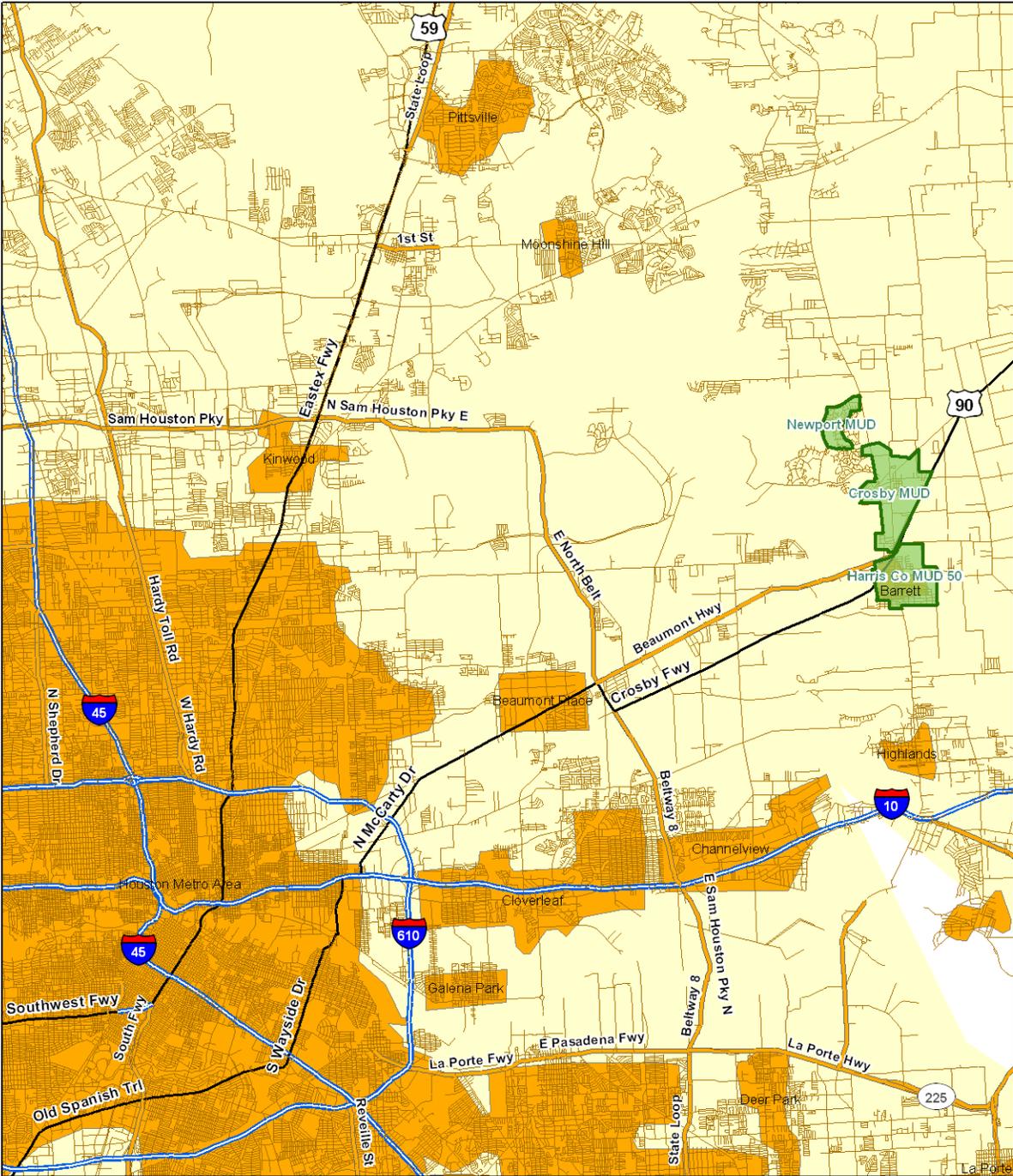
In 2013, total wholesale municipal supplies via the canal system were 1,573 ac-ft. The Baytown Industrial Complex/Cedar Bayou area in eastern Harris County is home to numerous industries to which the Division provides water. In 2013, there were 66,699 ac-ft diverted from the Canal System to provide wholesale raw water to the area. Water supplied by the Division to the Baytown and Cedar Bayou areas is used in the petroleum refining and chemical production industries to produce products such as petrochemicals, other chemicals, and refined products.

Wholesale raw water is also provided by the Division to the Cedar Bayou area in eastern Harris County to irrigate approximately 1,341 acres of grass farms. In 2013, there was 221 ac-ft diverted for irrigation uses.

A full description of the Division's municipal, industrial, and agricultural/irrigation customer information can be found under separate cover in the Division's Water Conservation Plan.



Figure 2-1. Highlands Canal System Layout



Note:  
The TCEQ district data is not 100% accurate  
or complete, nor is it TCEQ certified or official data.

TCEQ District     City Limits

 1 inch equals 3 miles

**Figure 2-2. MUD District Boundaries**

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### **Section 3. Drought Contingency Plan**

Drought, or a number of other uncontrollable circumstances, can disrupt the normal availability of water supply. Even though an area may have an adequate water supply, the supply can become contaminated, or a disaster can disrupt or destroy the supply. During drought periods, consumer demand is often significantly higher than normal. The failure or inadequacy of raw water delivery system also can present a utility with an emergency demand management situation.

It is important to distinguish between drought contingency planning and water conservation planning. As detailed in the Division's Water Conservation Plan, water conservation involves implementing permanent water use efficiencies or reuse practices. Drought contingency planning establishes temporary methods or techniques to be used only as drought and/or emergency conditions persist. The SJRA has developed a drought contingency plan with regard to the wholesaling of surface water from Lake Houston and the Trinity River to the customers of the Division.

#### **3.1 Drought Contingency Plan – Highlands Division**

SJRA provides raw surface water from Lake Houston and the Trinity River to customers of the Division. In order to conserve the available water supply and/or protect the integrity of water supply facilities during water supply shortages or other supply emergency conditions that can have adverse effects on its customers, SJRA has developed the following drought contingency plan elements.

#### **3.2 Trigger Conditions – Initiation and Termination**

As discussed in Section 2 of this drought contingency plan, SJRA provides raw surface water to its Highlands customers primarily from Lake Houston and the Trinity River. For this reason, initiation of drought stages for the Division is based on the water surface elevation of Lake Houston in conjunction with Trinity River flows at Romayor, Texas.

The General Manager of the SJRA or a designated representative will monitor water supply and/or demand conditions on a monthly basis or more frequently as conditions warrant and will determine when conditions warrant initiation or termination of each drought stage. The trigger points listed below have been selected through a hydrologic modeling process to work conjunctively with the measures identified in Section 3.4 to extend the availability of critical water supplies while simultaneously achieving the highest practicable level of efficiency in water use from a social and economic standpoint across customer classes. If deemed appropriate by the General Manager or a designated representative, termination of a drought stage is followed by initiation of a lower drought stage. An Emergency Water Supply Condition may be initiated or terminated without subsequent enactment of other stages. The various drought contingency

stages may be initiated or terminated at the discretion of the General Manager or a designated representative. Otherwise, initiation and termination of the stages shall be as follows:

**Stage 1: Voluntary Reduction**

**Initiation:**

- Lake Houston is below an elevation of 43 feet and Trinity River flows at Romayor are below 1,000 cubic feet per second; or
- Termination of a more severe drought condition, if deemed appropriate by the General Manager or a designated representative; or
- Monitoring of water demands/weather forecasts indicate earlier initiation is necessary.

**Termination:**

- Lake Houston is above an elevation of 43 feet or Trinity River flows at Romayor are above 1,000 cubic feet per second for seven consecutive days; or
- Termination of Stage 1 due to indications from monitoring of water demands/weather forecasts.

**Stage 2: Moderate Conditions**

**Initiation:**

- Lake Houston is below an elevation of 42 feet and Trinity River flows at Romayor are below 1,000 cubic feet per second; or
- Termination of a more severe drought condition, if deemed appropriate by the General Manager or a designated representative; or
- Monitoring of water demands/weather forecasts indicate earlier initiation is necessary.

**Termination:**

- Lake Houston is above an elevation of 42 feet or Trinity River flows at Romayor are above 1,000 cubic feet per second for seven consecutive days; or
- Termination of Stage 2 due to indications from monitoring of water demands/weather forecasts.

**Stage 3: Advanced Conditions**

**Initiation:**

- Lake Houston is below an elevation of 40 feet; or
- Termination of a more severe drought condition, if deemed appropriate by the General

Manager or a designated representative; or

- Monitoring of water demands/weather forecasts indicate earlier initiation is necessary.

**Termination:**

- Lake Houston is above an elevation of 40 feet for seven consecutive days; or
- Termination of Stage 3 due to indications from monitoring of water demands/weather forecasts.

**Stage 4: Severe Conditions**

**Initiation:**

- Lake Houston is below an elevation of 38 feet; or
- Monitoring of water demands/weather forecasts indicate earlier initiation is necessary.

**Termination:**

- Lake Houston is above an elevation of 38 feet for seven consecutive days; or
- Termination of Stage 4 due to indications from monitoring of water demands/weather forecasts.

**Emergency Water Supply Condition**

**Initiation:**

- Anticipation of a drought condition beyond historical level of severity; or
- System failure in the Highlands Canal system; or
- Contamination of the water supply has occurred; or
- Enactment of Emergency Water Supply Condition initiation due to other factors at the discretion of the General Manager or a designated representative.

**Termination:**

- Restoration of the Highlands Canal system to operational status; or
- Containment or elimination of water supply contamination
- Termination of Emergency Water Supply Condition due to other factors at the discretion of the General Manager or a designated representative.

Each stage may also be initiated or terminated at the discretion of the General Manager or a designated representative.

### 3.3 Notification of Initiation and Termination

The General Manager of the SJRA or a designated representative will notify its wholesale customer representatives in writing by electronic mail when a trigger condition has been met. When the trigger conditions that initiated the drought measures have subsided, the General Manager or a designated representative will inform the wholesale customer representatives in writing by electronic mail. Additionally, TCEQ will be notified within five business days of initiation or termination of drought stages beyond Stage 1. Notification of drought stage initiation or termination will also be posted on the SJRA website.

### 3.4 Drought Response Stages

The General Manager or a designated representative will monitor water supply and demand conditions, and in accordance with the triggering criteria set forth in Section 3.2 will determine that a water shortage exists, or when an emergency condition exists. The reductions listed below have been selected through a hydrologic modeling process to work conjunctively with the trigger points identified in Section 3.2 to extend the availability of critical water supplies while simultaneously achieving the highest practicable level of efficiency in water use from a social and economic standpoint across customer classes. The following actions will be taken when a drought stage or Emergency Water Supply Condition is initiated:

#### **Stage 1: Voluntary Reduction**

##### **Target: Achieve a voluntary 5% reduction in use**

- Contact wholesale raw water customers of the Division to discuss situation.
- Request that wholesale customers initiate voluntary measures to reduce water use.

#### **Stage 2: Moderate Conditions**

##### **Target: Achieve a 5% reduction in non-industrial use (October through March)**

##### **Achieve a 10% reduction in non-industrial use (April through September)**

- Contact wholesale raw water customers of the Division to discuss situation.
- Require that municipal and irrigation wholesale customers initiate mandatory measures to reduce water use by a seasonal 5% or 10%.

**Stage 3: Advanced Conditions**

**Target: Achieve a 10% reduction in non-industrial use (October through March)**

**Achieve a 20% reduction in non-industrial use (April through September)**

**Achieve a 5% reduction in industrial use**

- Contact wholesale raw water customers of the Division to discuss situation and continue to do so on a weekly basis until termination.
- Require wholesale customers initiate mandatory measures to reduce water use by a seasonal 10% or 20% for municipal and irrigation customers and 5% for industrial customers.

**Stage 4: Severe Conditions**

**Target: Achieve a 15% reduction in non-industrial use (October through March)**

**Achieve a 30% reduction in non-industrial use (April through September)**

**Achieve a 30% reduction in industrial use**

- Contact wholesale raw water customers of the Division to discuss situation and continue to do so on a weekly basis until termination.
- Require wholesale customers initiate mandatory measures to reduce water use by a seasonal 15% or 30% for municipal and irrigation customers and 30% for industrial customers.

**Emergency Water Supply Condition**

**Target: Subject to scope and nature of emergency**

- If appropriate, notify city, county, and/or state emergency response officials for assistance.
- Assess the severity of the problem and identify actions needed and time required to solve the problem.
- Notify TCEQ within five days of initiation or termination of emergency conditions.
- Inform wholesale customers and discuss possible actions, including but not limited to initiation of actions available under Stages 1 through 4.
- If deemed necessary by the General Manager or a designated representative, impose mandatory water rationing per Texas Water Code (TWC) §11.039 to reduce water demand to a level determined by the General Manager or a designated representative and notify TCEQ.

- Undertake necessary actions, such as repair or cleanup, to resolve issue.

### **3.5 Pro Rata Water Allocation**

If deemed necessary by the General Manager or a designated representative due to a drought or Emergency Water Supply condition, SJRA will initiate allocation of water supplies on a pro rata basis in accordance with TWC §11.039 and the force majeure clause and other relevant terms of the contract in place with each raw water customer. TWC §11.039 directs that if a shortage occurs due to drought, accident, or other cause in a water supply covered by a TWDB-approved Water Conservation Plan, the entity controlling the supply shall divide the water to be distributed pro rata among all customers.

### **3.6 Compliance Metrics**

The target of Stages 1 through 4 (and in some circumstances an Emergency Water Supply Condition) is to reduce water use by a certain percentage. Because water demands for Division customers change over time and may be impacted by weather conditions or application of drought response measures, a standard approach to defining a customer's demand must be applied. For the purposes of this drought contingency plan, each customer's demand shall be determined as that customer's water use for the preceding two years, averaged for each month. These demanded values will be provided to customers at the beginning of each year. Customer requests for variances to the provided demand values will be considered at an administrative level through an appeals process as described in Section 3.8.

### **3.7 Public Involvement**

Public involvement measures associated with this drought contingency plan shall include the following:

- Making proposed documents available to the public prior to adoption.
- Posting of notice of an SJRA Board of Directors meeting to include consideration of the plan for adoption.
- Consideration and adoption of the plan by the SJRA Board of Directors at a meeting to be open to the public.

Upon adoption of the plan, the completed drought contingency plan with relevant documentation reflecting adoption will be posted on the SJRA website.

### **3.8 Procedures for Granting Variances**

The General Manager or a designated representative may grant a temporary variance to mandatory measures to reduce water use, to calculated customer demand as discussed in Section 3.6, or to pro rata

water allocation policies if one or more of the following conditions are met:

- Failure to grant such variance would cause an emergency condition adversely affecting the public health, welfare, or safety.
- Compliance with this plan cannot be technically accomplished during the duration of the water supply shortage or other conditions for which the plan is in effect.
- Alternative methods can be implemented which will achieve the same level of reduction in water use.

The decision to grant or deny such a variance is at the discretion of the General Manager or a designated representative. Persons or entities requesting an exemption from the provisions of this plan shall file a written petition for variance with the General Manager or a designated representative within five business days after the mandatory measures to reduce water use or the pro rata allocation has been invoked. Once received, the General Manager or a designated representative will have five business days to respond, in writing, to a petition for variance.

### **3.9 Implementation and Enforcement**

The SJRA General Manager or a designated representative will be responsible for implementation and enforcement of the drought contingency plan. During any period when pro rata allocation of available water supplies is in effect, the General Manager or a designated representative has the authority to discontinue service to any customer who fails to comply with the conditions of the allocation, declaring the customer in breach of contract. Prior to discontinuance of service, the General Manager or a designated representative will issue a warning to the wholesale customer, and work with the customer to ensure that they are complying with the restrictions. In the event the customer fails to voluntarily comply, a court injunction will be obtained for violation of the Texas Water Code and for breach of contract.

Once notified of initiation of a drought stage with mandatory demand reduction, Division customers are required to reduce their water use in accordance with the appropriate stage as described above. In order to promote compliance with the drought contingency plan, the General Manager or a designated representative may enact a special temporary drought contingency rate structure with certain non-promotional rates for each drought stage. Customers failing to comply with mandatory demand reductions may also be subject to disincentive fees and be required to reimburse SJRA or the Division for any costs, fines, or penalties incurred by SJRA or the Division as a result of the customer's noncompliance. Enforcement actions, including penalties, will not be put into place until 30 calendar days after a drought stage is initiated.

### **3.10 Coordination with RWPG**

The Division is located within the Region H Regional Water Planning Area. In accordance with TCEQ rules, the Division has provided a copy of the Division drought contingency plan to the Region H Regional Water Planning Group. A copy of the transmittal letter is included in Appendix A.

### **3.11 Updating of the Plan**

No less than once a year, SJRA will examine the Division operations to determine if trigger conditions need to be re-established. Any updates will result in a revised drought contingency plan. The drought contingency plan for the Division has been adopted by a resolution of the Board of Directors of SJRA. A copy of the resolution is included in Appendix A.

**Appendix A**  
**Resolutions Passed by SJRA**  
**Transmittal Letter to Region H RWPG**

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**RESOLUTION ADOPTING REVISED WATER CONSERVATION PLANS AND DROUGHT CONTINGENCY PLANS; AUTHORIZING THE IMPLEMENTATION OF SUCH REVISED PLANS; REPEALING AND RESCINDING ALL PRIOR PLANS; AND CONTAINING OTHER PROVISIONS RELATING TO THE SUBJECT**

**WHEREAS, the San Jacinto River Authority (the "Authority") has water rights issued by the Texas Commission on Environmental Quality and its predecessor agencies (collectively, the "TCEQ") to divert water from the San Jacinto River and Trinity River basins; and**

**WHEREAS, the Authority, by and through its Highlands Division, owns and operates water supply and distribution systems and facilities, including the Lake Houston Pump Station, Highlands Reservoir, and Highlands Canal System, in order to sell and deliver water out of such rights to certain customers generally located in eastern Harris County; and**

**WHEREAS, the Authority also owns an interest in Lake Conroe Dam and Reservoir, located in Montgomery and Walker Counties ("Lake Conroe") upstream on the San Jacinto River from the Lake Houston Reservoir, and holds certain contract rights and water rights issued by the TCEQ to divert or release and use water from Lake Conroe; and**

**WHEREAS, the Authority, by and through its Lake Conroe Division, operates Lake Conroe and sells water out of such rights to customers located in Montgomery County, generally in close proximity to Lake Conroe; and**

**WHEREAS, the Authority, by and through its Woodlands Division, owns and operates an extensive water supply and distribution system and facilities for providing regional, wholesale services to customers in the area of The Woodlands; and**

**WHEREAS, the Authority, by and through its Groundwater Reduction Plan Division (the "GRP Division"), is presently in the process of constructing a surface water treatment facility and transmission system that will withdraw water from Lake Conroe for treatment, distribution and sale to its Woodlands Division and certain other customers; and**

**WHEREAS, in connection with the management of such facilities, systems and operations, the Authority has previously adopted a Water Conservation and Drought Contingency Plan (the "Plan") in accordance with the requirements of Chapter 11, Texas Water Code, as amended, and the rules of the TCEQ under Chapter 288 of Title 30, Texas Administrative Code, as amended; and**

**WHEREAS, the Board of Directors of the Authority has determined that it is in the public interest to revise and replace the Plan; Now, Therefore,**

**BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE SAN JACINTO RIVER AUTHORITY, THAT:**

**Section 1:** The Plan, as previously adopted and amended by the Authority, is hereby repealed and rescinded in its entirety.

**Section 2:** The Board of Directors of the Authority hereby approves and adopts the revised water conservation and drought contingency plans, each dated as of the date hereof, titled as follows: *Water Conservation Plan for San Jacinto River Authority Highlands Division; Drought Contingency Plan for San Jacinto River Authority Highlands Division; Water Conservation Plan for San Jacinto River Authority Lake Conroe Division; Drought Contingency Plan for San Jacinto River Authority Lake Conroe Division; Water Conservation Plan for San Jacinto River Authority Woodlands Division; Drought Contingency Plan for San Jacinto River Authority Woodlands Division; Water Conservation Plan for San Jacinto River Authority GRP Division; and Drought Contingency Plan for San Jacinto River Authority GRP Division* (collectively, the "Revised Plans").

**Section 3:** The Revised Plans, together with any amendments thereto which may be made from time to time, shall be maintained on file in the official records of the Authority and filed, as appropriate, with the TCEQ, the Texas Water Development Board and any other agencies with jurisdiction.

**Section 4:** It shall be the policy of the Authority that the programs and procedures set forth in the Revised Plans be implemented immediately. The General Manager of the Authority shall report to the Board of Directors of the Authority and other interested agencies annually on the implementation and effectiveness of the Revised Plans in accordance with the procedures set forth in the Revised Plans.

**Section 5:** The General Manager of the Authority is hereby designated as the official responsible for implementation of the Revised Plans in accordance with the guidelines set forth in the Revised Plans.

**Section 6:** It shall be the policy of the Authority to support and assist its wholesale and retail customers in (1) designating their pre-assigned officials as having the responsibility and authority to implement the Revised Plans, (2) allowing for enforcement of the Revised Plans, and (3) providing civil penalties for noncompliance with the Revised Plans.

**Section 7:** It shall be the policy of the Authority that the *Water Conservation Plan for San Jacinto River Authority GRP Division* and the *Drought Contingency Plan for San Jacinto River Authority GRP Division* establish minimum requirements which shall be adopted, respectively, in a water conservation plan and a drought contingency by each participant in the Authority's Groundwater Reduction Plan. The General Manager of the Authority and the GRP Administrator are hereby authorized and directed to take such actions as are deemed necessary and appropriate to ensure that the participants in the Authority's Groundwater Reduction Plan (the "Participants") adopt water conservation plans and drought contingency plans that are reasonably determined to meet or exceed such minimum requirements. Further, it shall be the policy of the Authority to support and assist the Participants in (1) adopting such water conservation plans and drought contingency plans, and (2) implementing and enforcing such water conservation plans and drought contingency plans.

Section 8: This Resolution shall be and remain in full force and effect from and after the date of its passage and approval.

PASSED AND APPROVED this 27th day of March, 2014.



\_\_\_\_\_  
President, Board of Directors



\_\_\_\_\_  
Secretary, Board of Directors

(SEAL)



# San Jacinto River Authority

ADMINISTRATIVE OFFICE  
P.O. Box 329 • Conroe, Texas 77305  
(T) 936.588.3111 • (F) 936.588.3043

March 31, 2014

Region H Water Planning Group  
c/o San Jacinto River Authority  
P. O. Box 329  
Conroe, Texas 77305

Re: Water Conservation and Drought Contingency Plans

Dear Region H;

Please find enclosed one (1) copy of the revised Water Conservation and Drought Contingency Plans for the Lake Conroe, GRP, Woodlands and Highlands Divisions of San Jacinto River Authority. The Woodlands Division is the wholesale provider of water to the eleven municipal utility districts (MUDs) that comprise The Woodlands. The Woodlands Joint Powers Agency is the retail provider of water to these MUDs and will submit its Water Conservation and Drought Contingency Plans separately. These revisions have been initiated to meet the regulatory requirement to update and submit the plans by May 1, 2014.

If you have any questions, please do not hesitate to contact us.

Sincerely,

Ronald D. Kelling, P.E.  
Deputy General Manager  
San Jacinto River Authority

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LAKE CONROE DIVISION  
P.O. Box 329  
Conroe, Texas 77305  
(T) 936.588.1111  
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GRP DIVISION  
P.O. Box 329  
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WOODLANDS DIVISION  
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