

Water Conservation Plan Annual Report Wholesale Water Supplier

CONTACT INFORMATION

Name of Utility: San Jacinto RA - Highlands

Public Water Supply Identification Number (PWS ID): TX1013456

Certification of Convenience and Necessity (CCN) Number:

Surface Water Right ID Number: 4279-A, 4964, 5271-C, 5807, 5808, 5809-A

Wastewater ID Number:

Check all that apply:

- Retail Water Supplier
- Wholesale Water Supplier
- Wastewater Treatment Utility

Address: PO Box 329 City: Conroe Zip Code: 77305

Email: jaustin@sjra.net Telephone Number: 9365887149

Regional Water Planning Group: H

Groundwater Conservation District:

Contact: First Name: Jordan Last Name: Austin

Title: Lake Conroe Division
Operations Manager

Is this person the designated Conservation Coordinator? Yes No

Regional Water Planning Group: H

Groundwater Conservation District:

Reporting Period (Calendar year):

Period Begin (mm/yyyy): 01/2017 Period End (mm/yyyy): 12/2017

Check all that apply:

- Received financial assistance of \$500,000 or more from TWDB
- Have a surface water right with TCEQ

SYSTEM DATA

1. For this reporting period, provide the total volume of wholesale water exported (transferred or sold):

22,387,108,457

2. For this reporting period, does your billing/accounting system have the capability to classify customer into the Wholesale Customer Categories?

Yes No

Wholesale Customers Categories*

- Municipal
- Industrial
- Commercial
- Institutional
- Agricultural

**Recommended Customer Categories for classifying customer water use. For definitions, refer to [Guidance and Methodology on Water Conservation and Water Use](#).*

3. For this reporting period, select the category(s) used to calculate wholesale customer water usage:

- Municipal
- Industrial
- Commercial
- Institutional
- Agricultural

4. For this reporting period, enter the gallons of **WHOLESALE water exported** (transferred or sold). Enter zero if a Customer Category does not apply.

Wholesale Customer Category	Gallons Exported (transferred or sold)	Number of Customers
Municipal	321,528,200	3
Industrial	21,872,435,257	5
Commercial		
Institutional		
Agricultural	193,145,000	11
Total Gallons¹	22387108457	19

¹Municipal + Industrial + Commercial + Institutional + Agricultural = Wholesale Water Exported

Water Use Accounting

	Total Gallons During the Reporting Period
Water Produced: Water from permitted sources such as rivers, lakes, streams, and wells	22,387,108,457
Wholesale Water Imported: Purchased wholesale water transferred into the system.	0
System Input: Total water supplied to system and available for use. Produced + Imported = System Input	22,387,108,457
Wholesale Water Exported: Wholesale water sold or transferred out of the system.	22,387,108,457
Gallons Per Day: Wholesale Water Exported / 365 = Gallons Per Day	61,334,544
Population: Estimated total population for municipal customers.	13,000
Gallons Per Capita Per Day: Wholesale Exported / Population / 365 = Gallons Per Capita Per Day	4,718

Provide the breakdown of Wholesale Water Exported into Raw and Treated water volumes.

	Gallons
Raw Wholesale Water Exported	22,387,108,457
Treated Wholesale Water Exported	0

Provide the specific and quantified five and ten-year targets as listed in your most current Water Conservation Plan.

	Date to Achieve Target	Specified and Quantified Targets
Five-year target	2019	5% reduction in gpcd
Ten-year target	2024	10% reduction in gpcd

Water Conservation Programs and Activities

1. Water Conservation Plan.

2014

What year did your entity adopt or revise their most recent Water Conservation Plan?

Does The Plan incorporate **Best Management Practices**? Yes No

2. Water Conservation Programs

Has your entity implemented any type of water conservation activity or program?

Yes No

If yes, select the type(s) of Best Management Practices or water conservation strategies implemented during this reporting period.

	Wholesale Supplier Activities and Practices
<input type="checkbox"/>	Agricultural Conservation Programs
<input type="checkbox"/>	Conservation Analysis & Planning
<input type="checkbox"/>	Conservation Rate Structures
<input type="checkbox"/>	Conservation Technology
<input checked="" type="checkbox"/>	Education & Public Awareness
<input type="checkbox"/>	Industrial Conservation Programs
<input type="checkbox"/>	Leak Detection/Water Loss Program
<input type="checkbox"/>	Rebate, Retrofit, and Incentive Programs
<input checked="" type="checkbox"/>	Regulatory & Enforcement
<input type="checkbox"/>	System Operations
<input type="checkbox"/>	Water Efficient Landscape Programs
<input type="checkbox"/>	Water Use Audits
<input type="checkbox"/>	Other

3. Recycle/Reuse (Water or Wastewater Effluent)

For this reporting period, provide direct and indirect reuse activities.

Reuse Activity	Estimated Volume (in gallons)
On-site irrigation	0
Plant wash down	0
Chlorination/de-chlorination	0
Industrial	125,452,635
Landscape irrigation (parks, golf courses)	0
Agricultural	134,902,314
Other	0
Estimated Volume of Reuse	260,354,949

Water Right 5809 up to 14,944 acre feet of wastewater effluent discharge from SJRA Woodlands Division. Sold indirectly to agriculture customers.

4. Water Savings

For this reporting period, estimate the savings that resulted from water conservation activities and programs.

Estimated Gallons Saved/Conserved	Estimated Gallons Recycled/Reused	Total Volume of Water Saved ¹	Dollar Value of Water Saved ²
221,267,535	260,354,949	481,622,484	197,465

¹Estimated Gallons Saved + Estimated Gallons Recycled/Reused = Total Volume Saved

²Estimated this value by taking into account water savings, the cost of treatment or purchase of water, and deferred capital cost due to conservation.

5. Program Effectiveness

In your opinion, how would you rank the overall effectiveness of your conservation programs and activities?

Less Than Effective	Somewhat Effective	Highly Effective	Does Not Apply
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

6. What might your entity do to improve the effectiveness of your water conservation program?

Public Education is the key to a successful conservation program. SJRA has a great outreach program, but it's always a challenge. Increasing our outreach programs would improve our effectiveness. SJRA is currently working on updating the Highlands Water Conservation Program.

7. Select the areas for which you would like to receive more technical assistance.

Technical Assistance Areas	
<input type="checkbox"/>	Agricultural Best Management Practices
<input type="checkbox"/>	Wholesale Best Management Practices
<input type="checkbox"/>	Industrial Best Management Practices
<input type="checkbox"/>	Drought Contingency Plans
<input type="checkbox"/>	Landscape Efficient Systems
<input type="checkbox"/>	Leak Detection and Equipment
<input checked="" type="checkbox"/>	Educational Resources
<input type="checkbox"/>	Water Conservation Plans
<input type="checkbox"/>	Water IQ: Know Your Water
<input type="checkbox"/>	Water Loss Audits
<input type="checkbox"/>	Rainwater Harvesting
<input type="checkbox"/>	Recycling and Reuse