

TEXAS WATER DEVELOPMENT BOARD

MUNICIPAL Water Use Survey for End of Calendar Year December 31, 2012

Deadline to return completed survey is **March 1, 2013**, according to Chapter 31 in Texas Administrative Code (TAC) Section 358.

If necessary, you may need to turn on JavaScript. For guidance, refer to the end notes on the last pages of the survey form. For assistance, call **(512) 463-7952**

CONTACT INFORMATION

As listed in previous correspondence; please note any revisions or changes to the contact information:

SURVEY Number¹: _____ **County:** _____

Name of System: _____ **PWS ID²:** _____

Mailing Address: _____

City/State: _____ **Zip Code:** _____

Contact Name: _____ **Title:** _____

Email Address: _____ **Telephone Number:** _____

Please provide any additional comments or remarks below.

Please return completed surveys to TWDB Water Use Survey (WUS) Team to:

Email waterusesurvey@twdb.texas.gov | Fax (512) 936-0889

OR mail to TWDB-WUS Team at P.O. Box 13231 Austin, Texas 78711-3231

Pumped Groundwater (Self-Supplied)³

Did this system pump groundwater last year? Yes No

If no, go on to next page.

Volume of Water Intake in Gallons

Please provide the Intake information and volumes (in **GALLONS**) below for each Aquifer/County group of wells. If groundwater is pumped from more than 3 Aquifer/County combinations, please include a copy of this page with the additional groundwater sources. Do not enter comma separators or decimal points in monthly intakes. *Total volume automatically calculates.*

| GROUNDWATER | Source 1 | Source 2 | Source 3 |
|---|----------|----------|----------|
| Aquifer from which groundwater was pumped | | | |
| County where groundwater was pumped | | | |
| Number of active wells | | | |
| January | | | |
| February | | | |
| March | | | |
| April | | | |
| May | | | |
| June | | | |
| July | | | |
| August | | | |
| September | | | |
| October | | | |
| November | | | |
| December | | | |
| TOTAL VOLUME gallons | | | |
| <i>Metered or Estimated</i> ⁴ | | | |
| <i>Percent of Volume Treated Before Intake</i> ⁵ | % | % | % |
| <i>Brackish/Saline</i> ⁶ | | | |

1 acre-foot = 325,851 gallons; 1 barrel = 42 gallons; 1 cubic foot = 7.48 gallons

Surface Water under a TCEQ Water Right (Self-Supplied)⁷

Did this system pump surface water under a TCEQ Water Right last year? Yes No
If no, go on to next page.

Volume of Water Intake in Gallons

Please provide the Intake information and volumes (in **GALLONS**) below for each Surface Water source **OR** for each TCEQ Water Right. (Multiple Water Rights from a single surface water source can be combined in reporting or reported separately.) If surface water is diverted from more than 3 surface water sources or from more than 3 Water Rights, please include a copy of this page with the additional surface water sources. Do not enter comma separators or decimal points in monthly intakes. *Total volume automatically calculates.*

| SURFACE WATER | Source 1 | Source 2 | Source 3 |
|---|----------|----------|----------|
| Source River or Reservoir Name | | | |
| County where diversion took place | | | |
| TCEQ Water Right Number(s) | | | |
| January | | | |
| February | | | |
| March | | | |
| April | | | |
| May | | | |
| June | | | |
| July | | | |
| August | | | |
| September | | | |
| October | | | |
| November | | | |
| December | | | |
| TOTAL VOLUME gallons | | | |
| <i>Metered or Estimated</i> ⁸ | | | |
| <i>Percent of Volume Treated Before Intake</i> ⁹ | % | % | % |
| <i>Brackish/Saline</i> ¹⁰ | | | |
| <i>Percent of Volume Not Returned</i> ¹¹ | % | % | % |

1 acre-foot = 325,851 gallons; 1 barrel = 42 gallons; 1 cubic foot = 7.48 gallons

Purchased Water

Did this system purchase water last year? Yes No

If no, go on to next page.

Volume of Water Intake in Gallons

Please provide the Intake information and volumes (in **GALLONS**) below for water purchased. If water is purchased from more than 3 water providers, please include a copy of this page with the additional water purchases. If water is purchased from a provider and metered through more than one connection, then combine the metered volumes in reporting the purchase below. Do not enter comma separators or decimal points in monthly intakes. *Total volume automatically calculates.*

| PURCHASED | Source 1 | Source 2 | Source 3 |
|--|----------|----------|----------|
| Name of Water Provider | | | |
| Type of water ¹² | | | |
| Name of Source ¹³ | | | |
| Source County | | | |
| January | | | |
| February | | | |
| March | | | |
| April | | | |
| May | | | |
| June | | | |
| July | | | |
| August | | | |
| September | | | |
| October | | | |
| November | | | |
| December | | | |
| TOTAL VOLUME gallons | | | |
| <i>Metered or Estimated</i> ¹⁴ | | | |
| <i>Percent of Volume Treated Before Intake</i> ¹⁵ | % | % | % |
| <i>Brackish/Saline</i> ¹⁶ | | | |

1 acre-foot = 325,851 gallons; 1 barrel = 42 gallons; 1 cubic foot = 7.48 gallons

Reuse\Treated Effluent (Self-Supplied or Purchased)

Did this system reuse treated effluent water last year? Yes No

If no, go on to next page.

Please enter the annual volume of wastewater effluent that was treated by the system with the purpose of reuse. Complete a column for each unique reuse water source. Please note that percentage(s) must total 100%.

| REUSE | Source 1 | Source 2 | Source 3 |
|--|----------|----------|----------|
| Name of Water Source ¹⁷ | | | |
| Treatment County ¹⁸ | | | |
| If purchased, Seller ¹⁹ | | | |
| Direct or Indirect ²⁰ | | | |
| If Indirect, TCEQ Water Right Number ²¹ | | | |
| TOTAL VOLUME gallons ²² | | | |
| % Used for Industrial | % | % | % |
| % Used for Landscape | % | % | % |
| % Used for Agriculture | % | % | % |
| % Used for Other | % | % | % |

1 acre-foot = 325,851 gallons; 1 barrel = 42 gallons; 1 cubic foot = 7.48 gallons

Wholesale Water Sales to other Water Systems

If the system sells water to other public water systems, please complete the row for each sale. If system has more than 3 sales, please include a copy of this page with the additional sales.

| SALES | Name of Buyer | Type of Water ²³ GW,SW,CS | Name of Source ²⁴ | Source County | TOTAL VOLUME gallons ²⁵ |
|--------|---------------|---|------------------------------|---------------|---------------------------------------|
| Sale 1 | | | | | |
| Sale 2 | | | | | |
| Sale 3 | | | | | |

Water Sales to Industrial Production Facilities²⁶

If the system sells water to industrial facilities (mining, manufacturing, or power generation), please complete the row for each sale. If system has more than 3 sales, please include a copy of this page with the additional sales.

| SALES | Name of Buyer ²⁷ | Type of Water ²⁸ GW,SW,CS | Name of Source ²⁹ | Source County | TOTAL VOLUME gallons ³⁰ |
|--------|-----------------------------|---|------------------------------|---------------|---------------------------------------|
| Sale 1 | | | | | |
| Sale 2 | | | | | |
| Sale 3 | | | | | |

Direct Retail Connections to Cities

Please list per column the cities in which the system had direct retail (non-wholesale) connections. Include the number of active connections located within each city. If system is connected to more than 4 cities, please include a copy of this page with the additional cities.

| CITY | City Name | Number of Connections |
|--------|-----------|-----------------------|
| City 1 | | |
| City 2 | | |
| City 3 | | |
| City 4 | | |

Direct Retail Connections to Counties

Please list per column the counties in which the system had direct retail (non-wholesale) connections. Include the number of active connections located within each county. If system is connected to more than 4 counties, please include a copy of this page with the additional counties.

| COUNTY | County Name | Number of Connections |
|----------|-------------|-----------------------|
| County 1 | | |
| County 2 | | |
| County 3 | | |
| County 4 | | |

Water System Information

What is the estimated total full-time residential population served directly by this system?

Retail Water Metered

What is the total number of Retail (*not Wholesale*) metered connections served directly by the system?

What is the total Volume in gallons of Retail Water Metered? (*not including Wholesale volumes listed earlier*)

For each Customer Category, please provide the connection and volume information for the following recommended retail customer categories.

If you are unable to report for a category, please leave the field blank.

| Retail Customer Category | # of Connections (or Units ³¹) | Total Retail METERED Water in Gallons |
|---|---|---------------------------------------|
| Residential Single Family* ³² | | |
| Residential Multi-Family* ³³ | | |
| Commercial* ³⁴ | | |
| Institutional* ³⁵ | | |
| Industrial*(including specified sales listed earlier) ³⁶ | | |
| Agricultural* ³⁷ | | |
| Other | | |

*Identical question in Water Conservation Plans and Water Conservation Annual Reports submitted to TWDB.

Retail Water Unmetered

What is the total number of Un-Metered Connections? (for example: Back-flushing, line-flushing, and fire department use)

| Connections | Volume in Gallons |
|-------------|-------------------|
| | |

What is the Water Loss Volume in gallons for the system? (Total intakes minus wholesale volume, metered volume and unmetered volume)

Please provide any additional comments or remarks below.

¹ The survey number is a unique number assigned by Texas Water Development Board (TWDB) to each system.

² The public water supply (PWS) identification number is a unique number assigned by the Texas Commission on Environmental Quality to each public water system in Texas.

³ If the system pumps groundwater, please provide those volumes in gallons by aquifer. If your system is able to provide volumes by individual wells, please use our Online data-entry application located at, <http://www.twdb.state.tx.us/waterplanning/waterusesurvey/survey/online.asp>.

⁴ Was the pumped groundwater volume either Metered or Estimated? Select either "Metered" or "Estimated".

⁵ What percent of the volume was treated prior to intake? May include raw water purchases (0% treated), treated water purchases (100%), or a combination.

⁶ Was the water brackish or saline (seawater) prior to treatment? Brackish water is between 1,000 and 10,000 milligrams per liter (mg/L) of total dissolved solids (TDS). Saline water is considered water having greater than 10,000 mg/L of TDS. Select either "Yes" if brackish/saline, or "No" if not brackish/saline.

⁷ If the system diverts or receives surface water from an owned or contracted Texas Commission on Environmental Quality (TCEQ) water right, please provide those **diverted volumes that enter the system**. The monthly diversion volumes for each water right must be included here, in addition to the reported required by TCEQ or Water-master office.

⁸ Was the surface water volume diverted either Metered or Estimated? Select either "Metered" or "Estimated".

⁹ What percent of the volume was treated prior to intake? May include raw water purchases (0% treated), treated water purchases (100%), or a combination.

¹⁰ Was the water brackish or saline (seawater) prior to treatment? Brackish water is between 1,000 and 10,000 milligrams per liter (mg/L) of total dissolved solids (TDS). Saline water is considered water having greater than 10,000 mg/L of TDS. Select either "Yes" if brackish/saline, or "No" if not brackish/saline.

¹¹ If surface water was used in an industrial process, such as once-through cooling, where a significant portion of the water was returned to the original water source with minimal treatment; what PERCENT of the diverted volume was not returned to the original source? (This is similar to the volume CONSUMED in the annual Water Right Report to the TCEQ).

¹² Select the type of water purchased: Groundwater, Surface Water or Combined Source (ground and surface water).

¹³ If ground water, please enter the aquifer name; if surface water, enter the river or reservoir name.

¹⁴ Was the purchased water volume either Metered or Estimated? Select either "Metered" or "Estimated".

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- ¹⁵ What percent of the volume was treated prior to intake? May include raw water purchases (0% treated), treated water purchases (100%), or a combination.
- ¹⁶ Was the water brackish or saline (seawater) prior to treatment? Brackish water is between 1,000 and 10,000 milligrams per liter (mg/L) of total dissolved solids (TDS). Saline water is considered water having greater than 10,000 mg/L of TDS. Select either "Yes" if brackish/saline, or "No" if not brackish/saline.
- ¹⁷ What is the name of the water source prior to water use and treatment?
- ¹⁸ In which county was the effluent treated for reuse?
- ¹⁹ If the reuse water was purchased, what is the Seller's name?
- ²⁰ Direct reuse is the use of reclaimed water that is piped directly from the wastewater treatment plant to the place where it is used. Indirect reuse is the use of reclaimed water by discharging to a water supply source, such as surface water or groundwater, where it blends with the water supply and may be further purified before being removed for non-potable or potable uses.
- ²¹ If Indirect reuse water is blended with a surface water source, what is the TCEQ Water Right or Adjudication number?
- ²² Total annual reuse water volume in gallons.
- ²³ Where GW is Ground Water, SW is Surface Water, and CS is Combined Source (ground water and surface water).
- ²⁴ If ground water, please enter the aquifer name; if surface water, enter the river or reservoir name.
- ²⁵ Please enter the Total Volume sold in gallons.
- ²⁶ Please list the buyers **only when the volumes are greater than 10 million gallons**. These should be sales to production facilities, not administrative offices. If sold to a significant number of MINING or MANUFACTURING facilities where each sale is less than 10 million gallons, please sum the sales together and list as "Other Mining" or "Other Manufacturing".
- ²⁷ Enter name of each Industrial Customer.
- ²⁸ Where GW is Ground Water, SW is Surface Water, and CS is Combined Source (ground water and surface water).
- ²⁹ If ground water, please enter the aquifer name; if surface water, enter the river or reservoir name.
- ³⁰ Please enter the Total Annual Volume for each sale in gallons.
- ³¹ For Multi-family water customers, please include the number of multi-family units rather than the number of connections.
- ³² A classification of housing where a single detached dwelling or separate house is a free-standing residential building. Also includes duplexes.
- ³³ A classification of housing where multiple housing units for residents are contained within one building, or several buildings within one complex. A common form is an apartment building or condominiums.
- ³⁴ A place of business such as a hotel, restaurant, or office building which uses water. Commercial water use does not include water used for multi-family residences, agricultural, industrial, or institutional users.
- ³⁵ The use of water by an establishment dedicated to public service, such as a school, university, church, hospital, nursing home, prison or government facility. All facilities dedicated to public service are considered institutional regardless of ownership. (Examples: Educational services, Health care, Recreation, and Public Administration).
- ³⁶ The use of water in processes designed to convert materials of a lower order of value into forms having greater usability and commercial value, and the development of power by means other than hydroelectric, but does not include agricultural use. (Examples: mining, utilities, construction, and manufacturing).
- ³⁷ Any use or activity involving agriculture, including irrigation. (Examples: Agriculture, Forestry, Fishing and Hunting).