

TEXAS WATER DEVELOPMENT BOARD
Municipal Water Use Survey for the Calendar Year Ending December 31, 2011
QUESTION SHEET

Thank you for completing the Texas Water Development Board's Municipal Water Use Survey. This document lists the **Questions** for the annual water use survey. All answers should be on the included **Answer Sheet**. Please answer all applicable questions as staff may follow up regarding unanswered questions. If a particular question does not apply to this system/facility, please include "N/A" within the cell.

Questions may be directed to the Water Use Survey Team at 512-463-7952 (fax: 512-936-0889 / email: waterusesurvey@twdb.state.tx.us). Copies of these forms, helpful examples, and additional information are available at <http://www.twdb.state.tx.us/wrpi/wus/wus.htm>.

INFORMATION REGARDING WATER ENTERING THE SYSTEM OR FACILITY (INTAKE)

Water entering a system or facility can be of 3 Types: **Groundwater**, **Surface Water**, or **Purchased Water**. (Reuse water is accounted for on page 2 of the Answer Sheet). For each different Water Source (Columns 1-5), please complete the information for the particular Type and then provide the volume taken into the system in the same corresponding column below for Questions 12-24. If your system has more than 5 Water Sources, please complete copies of this sheet as necessary.

PUMPED GROUNDWATER (SELF-SUPPLIED)

If the system/facility pumps groundwater, please provide the following information for each county and aquifer combination of wells. Groundwater Allocation Models work best when utilizing pumpage by individual wells. If your system is able to provide pumping volumes by well, please use our online data-entry application.

- 1 Aquifer From Which Water Was Pumped
- 2 County Where Water Was Pumping
- 3 Number of Active Wells per County/Aquifer

SURFACE WATER UNDER A TCEQ WATER RIGHT (SELF-SUPPLIED)

If the system/facility diverts or receives surface water from an owned or contracted Texas Commission on Environmental Quality (TCEQ) Water Right, please provide such **diverted volumes that enter the system**. The monthly diversion volumes for each water right must be included here, in addition to the report to TCEQ or Watermaster office.

- 4 Source River or Reservoir Name
- 5 County Where the Diversion Took Place
- 6 TCEQ Water Right Number
- 7 Of the self-supplied surface water used by the system/facility, 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 from the TCEQ.)

PURCHASED WATER

If the system purchases water from another water provider, please provide the following information:

- 8 Name of Water Provider
- 9 Type of Water Purchased: Options include Groundwater (**GW**), Surface Water (**SW**), or Combined Source (**CS**).
- 10 Source of Purchased Water: If Groundwater, please enter the Aquifer Name; if Surface Water, please list the River or Reservoir Name; if unknown water type, please enter Unknown.
- 11 County of the Purchased Water Source

VOLUME OF WATER INTAKE (IN GALLONS)

Please provide the volume of the Water Sources (Pumped Groundwater, Diverted Service Water, or Purchased Water that is listed in the corresponding columns above) by month and annual total in GALLONS.

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

- 12 January
- 13 February
- 14 March
- 15 April
- 16 May
- 17 June
- 18 July
- 19 August
- 20 September
- 21 October
- 22 November
- 23 December
- 24 Total Annual Volume (**sum of Questions 12-23 for each corresponding column/source listed above**)
- 25 Upon entering the system/facility, was the water volume Metered (**M**) or Estimated (**E**)?
- 26 What percent of the volume was treated prior to intake? For pumped groundwater or diverted surface water, this would generally be 0%. Purchased water may include raw water purchases (0% treated), treated water purchases (100%), or a combination.
- 27 Was the water brackish or saline (if seawater) prior to treatment? (Yes or No) Brackish water is between 1,000 and 10,000 mg/L TDS; Saline water is considered water greater than 10,000 mg/L TDS.

REUSE OF TREATED EFFLUENT (SELF-TREATED OR PURCHASED)

IF the system/facility used or purchased treated effluent for use, please answer the following questions. For each reuse water source, complete columns 1-3. If this does not apply to the system/facility, please write "N/A" in the fields.

- 28 Was the source of the reuse water self-treated or purchased?
- 29 In which county was the effluent treated for reuse?
- 30 If the reuse water was purchased, what is the sellers names?
- 31 Was the reuse water direct or indirect? (Direct reuse water is delivered by pipes. Indirect reuse refers to the use of a waterway and requires a TCEQ permit)
- 32 If indirect reuse, what is the TCEQ Water Right or Adjudication Number?
- 33 Total Annual Reuse Volume in GALLONS
- 34 Percent of total reuse water volume used for industrial uses
- 35 Percent of total reuse water volume used for landscape uses
- 36 Percent of total reuse water volume used for agriculture uses
- 37 Percent of total reuse water volume used for other uses

WHOLESALE WATER SALES TO OTHER WATER SYSTEMS

If the water system/facility sells water to other water systems, please list the sales. For each sale, complete a row for Questions 38-42. If this does not apply to the system/facility, please write "N/A" in the fields. If more space is needed, please include an additional sheet.

- 38 Name of Each Wholesale Buyer
- 39 Type of Water for each sale: Groundwater (**GW**), Surface Water (**SW**), Treated Effluent (**TE**), or Combined Source (**CS**)
- 40 Source of Water for each sale (if groundwater, list the aquifer name; if surface water, list the reservoir or river name)
- 41 Source County for each sale
- 42 Total Annual Wholesale Volume for each sale in GALLONS

WATER SALES TO INDUSTRIAL WATER SYSTEMS

If the water system/facility sells water to industrial production facilities (mining, manufacturing, or power generation), please individually list the buyers **ONLY when the volumes are greater than 10 million gallons**. These should be sales to production facilities, not administrative offices. If the system sold water to a significant number of MINING or MANUFACTURING facilities and **each sale is less than 10 million gallons**, the system may sum these sales together and list them as "Other Mining" or "Other Manufacturing". For each sale, complete a row for Questions 43-47. If this does not apply to the system/facility, please write "N/A" in the fields. If more space is needed, please include an additional sheet.

- 43 Name of Each Industrial Buyer (ONLY those with volumes greater than 10 million gallons)
- 44 Type of Water for each sale: Groundwater (**GW**), Surface Water (**SW**), Treated Effluent (**TE**) or Combined Source (**CS**)
- 45 Source of Water for each sale (if groundwater, list the aquifer name; if surface water, list the reservoir or river name)
- 46 Source County for each sale
- 47 Total Annual Volume for each sale in GALLONS

DIRECT RETAIL CONNECTIONS TO ADDITIONAL CITIES\COUNTIES

Please list per column the CITIES (Questions 48 & 49) and COUNTIES (Questions 50 & 51) in which the system/facility had direct retail (non-wholesale) connections and the number of connections for each.

- 48 City Name(s)
- 49 Number of Active Connections Located Within Each City
- 50 County Name(s)
- 51 Number of Active Connections Located in Each County

WATER SYSTEM INFORMATION

Please list the total number of connections and annual volumes IN GALLONS (Questions 53 & 54) of metered RETAIL sales (non-wholesale) for each of the categories of the table. For Commercial / Industrial, please include commercial accounts, educational entities, government offices, and private golf clubs.

- 52 What is the estimated total full-time residential population served directly by this system/facility?
- 53 Total Active Connections for each Category
- 54 Total Annual Volume sold or used for each Category in GALLONS
- 55 What is the total number of unmetered service connections?
- 56 What is the estimated volume (IN GALLONS) of the known unmetered water usage?
- 57 What is the estimated water loss (IN GALLONS) for the system (intake minus all sales, metered sales, metered uses, and known unmetered sources)? Sum of the row for Question 24 minus the sum of the columns/rows of Questions 42, 47, 54 and 56.

Please provide any additional comments in the remarks field of the Answer Sheet or attach additional sheets if needed.