

# Water Conservation Plan Annual Report

## Retail Water Supplier

### CONTACT INFORMATION

Name of Utility: SAN ANTONIO WATER SYSTEM

Public Water Supply Identification Number (PWS ID): TX0150018

Certification of Convenience and Necessity (CCN) Number: 10640

Surface Water Right ID Number: 2144-D, 3867-A, 4768-B, 5549-C, 12096

Wastewater ID Number: 20285

Check all that apply:

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

Address: 2800 US Highway 281 N City: San Antonio Zip Code: 78212

Email: Chelsea.Hawkins@saws.org Telephone Number: 2107047283

Regional Water Planning Group: L

Groundwater Conservation District:

Contact: First Name: Chelsea Last Name: Hawkins  
Title: Resource Analyst

Is this person the designated Conservation Coordinator?  Yes  No

Coordinator: First Name: Karen Last Name: Guz  
Title: Vice President, Conservation

Address: 2800 US Highway 281 N City: San Antonio Zip Code: 78212

Email: Karen.Guz@saws.org Telephone Number: 210-704-7283

Regional Water Planning Group: L

Groundwater Conservation District:

Reporting Period (Calendar year):

Period Begin (mm/yyyy): 01/2023 Period End (mm/yyyy): 12/2023

Check all that apply:

- Received financial assistance of \$500,000 or more from TWDB
- Have 3,300 or more retail connections
- Have a surface water right with TCEQ

### SYSTEM DATA

1. For this reporting period, select the category(s) used to classify customer water usage:

| Retail Customer Water Usage Categories |                             |
|--|-----------------------------|
| <input checked="" type="checkbox"/>    | Residential - Single Family |
| <input checked="" type="checkbox"/>    | Residential - Multi-family  |
| <input checked="" type="checkbox"/>    | Industrial                  |
| <input checked="" type="checkbox"/>    | Commercial                  |
| <input type="checkbox"/>               | Institutional               |
| <input type="checkbox"/>               | Agricultural                |

**Retail Customers Categories\***

- Residential Single Family
- Residential Multi-Family
- 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](#).

2. For this reporting period, enter the number of connections for and the gallons of metered retail water used by each category. If the Customer Category does not apply, enter zero or leave blank. These numbers should be the same as those reported on the Water Use Survey.

| Retail Customer Category                      | Number of Connections | Gallons Metered       |
|---|-----------------------|-----------------------|
| Residential - Single Family                   | 575,371               | 38,409,217,730        |
| Residential - Multi-family                    | 246,051               | 12,174,611,879        |
| Industrial                                    | 269                   | 2,637,887,755         |
| Commercial                                    | 53,457                | 16,186,220,358        |
| Institutional                                 | 0                     | 0                     |
| Agricultural                                  | 0                     | 0                     |
| <b>Total Retail Water Metered<sup>1</sup></b> | <b>875,148</b>        | <b>69,407,937,722</b> |

<sup>1</sup>Residential + Industrial + Commercial + Institutional + Agricultural = Total Retail Water Metered

## Water Use Accounting

|  | Total Gallons During the Reporting Period |
|--|---|
| <b>1. Corrected Input Volume:</b><br>The volume of treated water input to the distribution system from own production facilities.<br>Same as line 13b of the Water Loss Audit for reporting periods >= 2015.<br>Same as line 14 of the Water Loss Audit for reporting periods <= 2014.   | 69,255,628,034                            |
| <b>2. Corrected Treated Purchased Water Volume:</b><br>The amount of treated purchased wholesale water transferred into the utility's distribution system from other water suppliers system.<br>Same as line 14b of the Water Loss Audit for reporting periods >= 2015.<br>Same as line 15 of the Water Loss Audit for reporting periods <= 2014.  | 23,892,433,740                            |
| <b>3. Corrected Treated Wholesale Water Sales Volume:</b><br>The amount of treated wholesale water transferred out of the utility's distribution system, although it may be in the system for a brief time for conveyance reasons.<br>Same as line 15b of the Water Loss Audit for reporting periods >= 2015.<br>Same as line 16 of the Water Loss Audit for reporting periods <= 2014.  | 2,037,588,049                             |
| <b>4. Total System Input Volume:</b><br>This is the sum of the corrected input volume plus corrected treated purchased water volume minus corrected treated wholesale water sales volume.<br>Same as line 16 of the Water Loss Audit for reporting periods >= 2015.<br>Same as line 17 of the Water Loss Audit for reporting periods <= 2014.<br>Produced + Imported - Exported = Total System Input Volume  | 91,110,473,725                            |
| <b>5. Billed Metered:</b><br>All retail water sold and metered.<br>Same as line 17 of the Water Loss Audit for reporting periods >= 2015.<br>Same as line 18 of the Water Loss Audit for reporting periods <= 2014.  | 69,407,937,722                            |
| <b>6. Other Authorized Consumption:</b><br>Water that is authorized for other uses such as back flushing, line flushing, storage tank cleaning, fire department use, municipal government offices or municipal golf courses/parks. This water may be metered or unmetered.<br>Same as lines 18, 19, and 20 of the Water Loss Audit for reporting periods >= 2015.<br>Same as lines 19, 20, and 21 of the Water Loss Audit for reporting periods <= 2014. | 416,855,844                               |
| <b>7. Total Authorized Consumption:</b><br>All water that has been authorized for use.<br>Same as Line 21 of the Water Loss Audit for reporting periods >= 2015.<br>Same as line 22 of the Water Loss Audit for reporting periods <= 2014.<br>Total Billed and Metered Retail Water + Other Authorized Consumption = Total Authorized Consumption  | 69,824,793,566                            |

|   |                       |
|---|-----------------------|
| <b>8. Total Apparent Losses:</b><br>Water that has been consumed but not properly measured or billed (losses due to customer meter inaccuracy, systematic data handling discrepancy and/or unauthorized consumption such as theft).<br>Same as line 27 of the Water Loss Audit for reporting periods >= 2015.<br>Same as line 28 of the Water Loss Audit for reporting periods <= 2014. | <b>1,763,528,213</b>  |
| <b>9. Total Real Loss:</b><br>Physical losses from the distribution system prior to reaching the customer destination (losses due to reported breaks and leaks, physical losses from the system or mains and/or storage overflow).<br>Same as line 30 of the Water Loss Audit for reporting periods >= 2015.<br>Same as line 31 of the Water Loss Audit for reporting periods <= 2014.  | <b>19,522,151,946</b> |
| <b>10. Total Water Loss:</b><br>Apparent + Real = Total Water Loss  | <b>21,285,680,159</b> |

### Programs and Activities

1. What year did your entity adopt or revise their most recent Water Conservation Plan? 2019

2. Does The Plan incorporate [Best Management Practices](#)?  Yes  No

3. Using the table below select the types of Best Management Practices or water conservation and reuse strategies actively administered during this reporting period and estimate the savings incurred in implementing water conservation and reuse activities and programs. Leave fields blank if unknown. **Please separate reuse volumes from gallons saved.**

Methods and techniques for determining gallons saved are unique to each utility as they conduct internal cost analyses and long-term financial planning. Texas Best Management Practice can be found at TWDB's Water Conservation Best Management Practices [webpage](#). The [Alliance for Efficiency Water Conservation Tracking Tool](#) may offer guidance on determining and calculating savings for individual BMPs.

| Best Management Practice                                       | Check if Implemented                | Estimated Gallons Saved | Estimated Gallons Reused |
|--|-------------------------------------|-------------------------|--------------------------|
| <b>Conservation Analysis and Planning</b>                      |                                     |                         |                          |
| Conservation Coordinator                                       | <input checked="" type="checkbox"/> | 0                       | 0                        |
| Cost Effective Analysis  | <input checked="" type="checkbox"/> | 0                       | 0                        |
| Water Survey for Single Family and Multi-family Customers      | <input checked="" type="checkbox"/> | 0                       | 0                        |
| Customer Characterization                                      | <input checked="" type="checkbox"/> | 0                       | 0                        |
| <b>Financial</b>   |                                     |                         |                          |
| Wholesale Agency Assistance Programs                           | <input type="checkbox"/>            |                         |                          |
| Water Conservation Pricing                                     | <input checked="" type="checkbox"/> | 0                       | 0                        |
| <b>System Operations</b>                                       |                                     |                         |                          |
| Metering New Connections and Retrofitting Existing Connections | <input checked="" type="checkbox"/> | 0                       | 0                        |

|  |                                     |                      |                      |
|--|-------------------------------------|----------------------|----------------------|
| Utility Water Audit and Water Loss                           | <input checked="" type="checkbox"/> | 0                    | 0                    |
| <b>Landscaping</b>   |                                     |                      |                      |
| Landscape Irrigation Conservation and Incentives             | <input checked="" type="checkbox"/> | 0                    | 0                    |
| Athletic Fields Conservation                                 | <input checked="" type="checkbox"/> | 0                    | 0                    |
| Golf Course Conservation                                     | <input checked="" type="checkbox"/> | 0                    | 0                    |
| Park Conservation  | <input checked="" type="checkbox"/> | 0                    | 0                    |
| Residential Landscape Irrigation Evaluation                  | <input checked="" type="checkbox"/> | 34,734,348           | 0                    |
| Outdoor Watering Schedule                                    | <input checked="" type="checkbox"/> | 0                    | 0                    |
| <b>Education and Public Awareness</b>                        |                                     |                      |                      |
| School Education   | <input checked="" type="checkbox"/> | 0                    | 0                    |
| Public Information   | <input checked="" type="checkbox"/> | 0                    | 0                    |
| Public Outreach and Education                                | <input checked="" type="checkbox"/> | 0                    | 0                    |
| Partnerships with Nonprofit Organizations                    | <input checked="" type="checkbox"/> | 0                    | 0                    |
| <b>Rebate, Retrofit, and Incentive Programs</b>              |                                     |                      |                      |
| Conservation Programs for ICI Accounts                       | <input checked="" type="checkbox"/> | 4,191,288            | 0                    |
| Residential Clothes Washer Incentive Program                 | <input checked="" type="checkbox"/> | 0                    | 0                    |
| Water Wise Landscape Design and Conversion Programs          | <input checked="" type="checkbox"/> | 7,689,720            | 0                    |
| Showerhead, Aerator, and Toilet Flapper Retrofit             | <input checked="" type="checkbox"/> | 0                    | 0                    |
| Residential Toilet Replacement Programs                      | <input checked="" type="checkbox"/> | 0                    | 0                    |
| Custom Conservation Rebates                                  | <input checked="" type="checkbox"/> | 5,276,313            | 0                    |
| Plumbing Assistance for Economically Disadvantaged Customers | <input checked="" type="checkbox"/> | 13,278,060           | 0                    |
| <b>Conservation Technology &amp; Reuse</b>                   |                                     |                      |                      |
| New Construction Graywater                                   | <input checked="" type="checkbox"/> | 0                    | 0                    |
| Rainwater Harvesting and Condensate Reuse                    | <input checked="" type="checkbox"/> | 0                    | 0                    |
| <b>Water Reuse BMP Categories</b>                            |                                     |                      |                      |
| Reuse for On-site Irrigation                                 | <input checked="" type="checkbox"/> | 0                    | 1,594,043,867        |
| Reuse for Plant Washdown                                     | <input checked="" type="checkbox"/> | 0                    | 0                    |
| Reuse for Chlorination/Dechlorination                        | <input type="checkbox"/>            |                      |                      |
| Reuse for Industry   | <input checked="" type="checkbox"/> | 0                    | 1,475,966,543        |
| Reuse for Agriculture  | <input checked="" type="checkbox"/> | 0                    | 0                    |
| <b>Regulatory and Enforcement</b>                            |                                     |                      |                      |
| Prohibition on Wasting Water                                 | <input checked="" type="checkbox"/> | 340,668,000          | 0                    |
| Conservation Ordinance Planning and Development              | <input checked="" type="checkbox"/> | 811,837,200          | 0                    |
| Enforcement of Irrigation Standards                          | <input checked="" type="checkbox"/> | 0                    | 0                    |
| <b>Retail</b>  |                                     |                      |                      |
| Other  | <input checked="" type="checkbox"/> | 612,264,977          | 0                    |
| <b>Totals</b>  |                                     | <b>1,829,939,906</b> | <b>3,070,010,410</b> |

The attached PDF includes more information about programs and savings, including the reason some BMP's show a savings estimate of zero. Other programs with savings considered are monthly WaterSmart Home Reports, Flow Sensor Rebates, Smart Irrigation Controller Program, and Pool Filters.

Attached file(s):

| File Name     | File Description |
|---------------|------------------|
| 2023_BMPs.pdf | SAWS 2023 BMPs   |

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

| Gallons Saved/Conserved | Gallons Recycled/Reused | Total Volume of Water Saved <sup>1</sup> | Dollar Value of Water Saved <sup>2</sup> |
|-------------------------|-------------------------|--|--|
| 1,829,939,906           | 3,070,010,410           | 4,899,950,316                            | 40,473,590                               |

<sup>1</sup>Estimated Gallons Saved + Estimated Gallons Recycled/Reused = Total Volume Saved

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

5. Comments or Explanations Regarding Data Entered in Sections Above.  
 Files to support or explain this may be attached below.

Dollar value of saved is calculated based on the retail price of water from line 40 of the water loss audit report (\$0.00826).

6. During this reporting period, did your rates or rate structure change?  Yes  No

Select the type of rate pricing structure used. Check all that apply.

|                                     |                                |
|-------------------------------------|--------------------------------|
| <input type="checkbox"/>            | Uniform Rates                  |
| <input type="checkbox"/>            | Flat Rates                     |
| <input checked="" type="checkbox"/> | Inclining/Inverted Block Rates |
| <input type="checkbox"/>            | Declining Block Rates          |
| <input type="checkbox"/>            | Seasonal Rates                 |
| <input type="checkbox"/>            | Water Budget Based Rates       |
| <input type="checkbox"/>            | Excess Use Rates               |
| <input type="checkbox"/>            | Drought Demand Rates           |
| <input type="checkbox"/>            | Tailored Rates                 |
| <input type="checkbox"/>            | Surcharge - usage demand       |
| <input type="checkbox"/>            | Surcharge - seasonal           |
| <input checked="" type="checkbox"/> | Surcharge - drought            |
| <input checked="" type="checkbox"/> | Other                          |

Non-compliance surcharge for the Annual Irrigation System Evaluation. Customers who are not in compliance are assessed a one time late fee and an additional volumetric rate on billed irrigation water until they become compliant.

7. For this reporting period, select the public awareness or educational activities used.

| Name                                  | Implemented This Year               | Number Of Times This Year | Total Population Reached this Year |
|---------------------------------------|-------------------------------------|---------------------------|------------------------------------|
| Brochures Distributed                 | <input checked="" type="checkbox"/> | 710                       | 241,049                            |
| Messages Provided on Utility Bills    | <input checked="" type="checkbox"/> | 12                        | 6,904,452                          |
| Press Releases                        | <input checked="" type="checkbox"/> | 21                        | 5,000,000                          |
| TV Public Service Announcements       | <input type="checkbox"/>            |                           |                                    |
| Radio Public Service Announcements    | <input checked="" type="checkbox"/> | 530                       | 2,586,500                          |
| Educational School Programs           | <input checked="" type="checkbox"/> | 180                       | 12,130                             |
| Displays, Exhibits, and Presentations | <input checked="" type="checkbox"/> | 465                       | 220,722                            |
| Community Events                      | <input checked="" type="checkbox"/> | 245                       | 20,307                             |
| Social Media campaign - Facebook      | <input checked="" type="checkbox"/> | 247                       | 725,000                            |
| Social Media campaign - Twitter       | <input checked="" type="checkbox"/> | 161                       | 175,000                            |
| Social Media campaign - Instagram     | <input checked="" type="checkbox"/> | 93                        | 230,000                            |
| Social Media campaign - YouTube       | <input checked="" type="checkbox"/> | 4                         | 1,000,000                          |
| Facility Tours                        | <input checked="" type="checkbox"/> | 76                        | 3,649                              |
| Other                                 | <input checked="" type="checkbox"/> | 65                        | 2,861,706                          |
| <b>Total</b>                          |                                     | 2,809                     | 19,980,515                         |

Other campaigns include GardenStyleSA website, weekly gardening newsletter, Conservation Call Center, NextDoor social media, and digital display banners.

### Leak Detection and Water Loss

1. During this reporting period, how many leaks were repaired in the system or at service connections? 8467

2. Select the main cause(s) of water loss in your system.

| Water Loss Causes                   |                                    |
|-------------------------------------|------------------------------------|
| <input checked="" type="checkbox"/> | Distribution line leaks and breaks |
| <input type="checkbox"/>            | Unauthorized use and theft         |



|                                     |                          |
|-------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> | Master meter problems    |
| <input type="checkbox"/>            | Customer meter problems  |
| <input type="checkbox"/>            | Record and data problems |
| <input checked="" type="checkbox"/> | Other                    |

SAWS continues to identify and address water loss on an on-going basis with cost-effective solutions. In 2023, SAWS experienced a surge in main breaks due to drought conditions. In addition, staffing challenges include increasing the number of repair crews and managing repair crews so as to protect employees from heat related risks has increased total repair time per leak resulting in increased real losses. However, in 2023 SAWS did increase the number of repair crews through contractors and was able to bring the backlog of leaks down significantly. SAWS continues to conduct proactive leak detection and maintain increased crew numbers to address leaks quickly.

3. For this reporting period, provide the following information on your distribution lines.

|                                    |                              |                              |
|------------------------------------|------------------------------|------------------------------|
| Total Length of Main Lines (miles) | Total Length Repaired (feet) | Total Length Replaced (feet) |
| 7776                               | 1784111                      | 70551                        |

4. For this reporting period, provide the following information regarding your meters:

| Type of Meter                   | Total Number | Total Tested | Total Repaired | Total Replaced |
|---------------------------------|--------------|--------------|----------------|----------------|
| Production Meters               | 645          | 524          | 125            | 15             |
| Meters larger than 1 1/2 inches | 9570         | 1644         | 24             | 509            |
| Meters 1 1/2 inches or smaller  | 591006       | 2270         | 37             | 57837          |

5. Does your system have automated meter reading?  Yes  No

### Program Effectiveness

1. Program Effectiveness

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

| Customer Classification | Less Than Effective   | Somewhat Effective    | Highly Effective                 | Does Not Apply                   |
|-------------------------|-----------------------|-----------------------|----------------------------------|----------------------------------|
| Residential Customers   | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/>            |
| Industrial Customers    | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/>            |
| Institutional Customers | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            | <input checked="" type="radio"/> |
| Commercial Customers    | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/>            |
| Agricultural Customers  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            | <input checked="" type="radio"/> |

2. During the reporting period, did you implement your Drought Contingency Plan?  Yes  No

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

| Technical Assistance Areas |                                   |
|----------------------------|-----------------------------------|
| <input type="checkbox"/>   | Best Management Practices         |
| <input type="checkbox"/>   | Drought Contingency Plans         |
| <input type="checkbox"/>   | Landscape Irrigation              |
| <input type="checkbox"/>   | Leak Detection and Equipment      |
| <input type="checkbox"/>   | Rainwater Harvesting              |
| <input type="checkbox"/>   | Rate Structures                   |
| <input type="checkbox"/>   | Educational Resources             |
| <input type="checkbox"/>   | Water Conservation Annual Reports |
| <input type="checkbox"/>   | Water Conservation Plans          |
| <input type="checkbox"/>   | Water IQ: Know Your Water         |
| <input type="checkbox"/>   | Water Loss Audits                 |
| <input type="checkbox"/>   | Recycling and Reuse               |

## Water Loss, Target and Goals

### Total, Residential and Water Loss Gallons Per Capita per Day (GPCD) and Water Loss Percentage

The tables below display your current GPCD totals and water loss percentage for your service area.

| Total System Input in Gallons<br>Water Produced + Wholesale Imported -<br>Wholesale Exported | Retail Population <sup>1</sup> | Total GPCD<br>(System Input / Retail<br>Population) / 365 |
|--|--------------------------------|---|
| 91,110,473,725   | 2,085,931                      | 120   |

<sup>1</sup>Retail Population is the total permanent population of the service area, including single family, multi-family, and group quarter populations

| Residential Use in Gallons<br>(Single Family + Multi-family) | Residential Population <sup>2</sup> | Residential GPCD<br>(Residential Use / Residential Population) /<br>365 |
|--|-------------------------------------|---|
| 50,583,829,609   | 2,085,931                           | 66  |

<sup>2</sup>Residential Population is the total residential population of the service area, including only single family and multi-family populations

| Total Water Loss in Gallons<br>Apparent + Real = Total Water Loss | Retail Population | Water Loss GPCD <sup>3</sup> | Water Loss Percent |
|---|-------------------|------------------------------|--------------------|
| 21,285,680,159  | 2,085,931         | 28                           | 23.36%             |

<sup>3</sup>(Total Water Loss / Residential Population) / 365 = Water Loss GPCD  
 (Total Water Loss / Total System Input) \* 100 = Water Loss Percentage

The table below displays the specific and quantified five-year and ten-year goals listed in your current Water Conservation Plan alongside the current GPCD and water loss totals.

| Achieve Date                     | Target for<br>Total GPCD | Current Total<br>GPCD | Target for<br>Residential<br>GPCD | Current<br>Residential<br>GPCD | Target for<br>Water Loss<br>GPCD | Current Water<br>Loss GPCD | Target for<br>Water Loss<br>Percentage | Current<br>Water Loss<br>Percentage |
|----------------------------------|--------------------------|-----------------------|-----------------------------------|--------------------------------|----------------------------------|----------------------------|--|-------------------------------------|
| Five-year<br>Target Date<br>2024 | 112                      | 120                   | 73                                | 66                             | 15                               | 28                         | 13.39 %                                | 23.36 %                             |
| Ten-year<br>Target Date<br>2029  | 107                      | 120                   | 70                                | 66                             | 13                               | 28                         | 12.15 %                                | 23.36 %                             |

| Best Management Practice                                       | Implemented? | Estimated Gallons Saved | Estimated Gallons Reused | Notes   |
|--|--------------|-------------------------|--------------------------|---|
| <b>Conservation Analysis and Planning</b>                      |              |                         |                          |   |
| Conservation Coordinator                                       | Y            |                         |                          | Conservation Department - Director of Operations  |
| Cost Effective Analysis  | Y            |                         |                          | Water savings from a cost effective analysis would be inherently present in the other categories when the analysis is performed                       |
| Water Survey for Single Family and Multi-family Customers      | Y            |                         |                          | Residential and Commercial Consults   |
| Customer Characterization                                      | Y            |                         |                          | NAICS coding of over 43,000 ICI accounts  |
| <b>Financial</b>   |              |                         |                          |   |
| Wholesale Agency Assistance Programs                           | N            |                         |                          |   |
| Water Conservation Pricing                                     | Y            |                         |                          | Conservation is promoted through use of an Inverted Block Rate Structure  |
| <b>System Operations</b>                                       |              |                         |                          |   |
| Metering New Connections and Retrofitting Existing Connections | Y            |                         |                          | All customer classes are metered and old/broken meters are replaced   |
| System Water Audit and Loss Control                            | Y            |                         |                          | We conduct a water loss audit annually as required by TWDB  |
| <b>Landscaping</b>   |              |                         |                          |   |
| Landscape Irrigation Conservation and Incentives               | Y            |                         |                          | We attributed savings under other BMPs  |
| Athletic Fields Conservation                                   | Y            |                         |                          | Ordinance for athletic fields to apply for variances. Some athletic fields utilize reuse water.   |
| Golf Course Conservation                                       | Y            |                         |                          | Ordinance for golf courses to apply for variances. All municipal golf courses utilize reuse water.  |
| Park Conservation  | Y            |                         |                          | Many parks are part of the large property irrigation checkup, so savings are attributed under the Conservation Programs for ICI Accounts              |
| Residential Landscape Irrigation Evaluation                    | Y            | 34,734,348              |                          | Residential irrigation consultations  |
| Outdoor Watering Schedule                                      | Y            |                         |                          | Watering never allowed 11am-7pm in our service area   |
| <b>Education and Public Awareness</b>                          |              |                         |                          |   |
| School Education   | Y            |                         |                          | No savings attributed to this practice, education department presents to schools throughout the community, year-round                                 |
| Public Information   | Y            |                         |                          | No savings attributed to this practice, Conservation staff presented to 2,554 attendees at staff presentations  |
| Public Outreach and Education                                  | Y            |                         |                          |   |
| Partnerships with Nonprofit Organizations                      | Y            |                         |                          | No savings attributed to this practice, Reached 228,747 through partnerships  |
| <b>Rebate, Retrofit, and Incentive Programs</b>                |              |                         |                          |   |
| Conservation Programs for ICI Accounts                         | Y            | 4,191,288               |                          | Combination of commercial irrigation design rebates and commercial consults   |
| Residential Clothes Washer Incentive Program                   | Y            |                         |                          | Washright programs concluded in 2012. 25,000-30,000 washing machines were replaced through SAWS efforts   |
| Water Wise Landscape Design and Conversion Programs            | Y            | 7,689,720               |                          | Combination of Landscape coupons and residential irrigation design rebates  |
| Showerhead, Aerator, and Toilet Flapper Retrofit               | Y            |                         |                          | Showerhead and Aerator distribution programs ended in 2018  |
| Residential Toilet Replacement Programs                        | Y            |                         |                          | Toilet programs concluded in 2014. 250,000-300,000 toilets were distributed through SAWS Residential and Commercial Programs.                         |
| Custom Conservation Rebates                                    | Y            | 5,276,313               |                          | Two custom rebates were completed in 2023, savings dependant on type and scale of project   |
| Plumbing Assistance for Economically Disadvantaged Customers   | Y            | 13,278,060              |                          | Plumbers to People and Conservation Makeover programs to assist low income customers with plumbing repair   |
| <b>Conservation Technology &amp; Reuse</b>                     |              |                         |                          |   |
| New Construction Graywater                                     | Y            |                         |                          | Commercial sites are required to be plumbed for future use  |
| Rainwater Harvesting and Condensate Reuse                      | Y            |                         |                          | Currently offering rebates on rain barrels, although we do not attribute savings to this practice   |
| <b>Water Reuse BMP Categories</b>                              |              |                         |                          |   |
| Reuse for On-Site Irrigation                                   | Y            |                         | 1,594,043,867            | Approximately 27% of reuse water used for landscape irrigation  |
| Reuse for Plant Washdown                                       | Y            |                         |                          |   |
| Reuse for Chlorination/Dechlorination                          | N            |                         |                          |   |
| Reuse for Industry   | Y            |                         | 1,475,966,543            | Approximately 25% of reuse water used for industrial purposes, remaining 47% of reuse water for other purposes  |
| Reuse for Agriculture  | Y            |                         |                          |   |
| <b>Regulatory and Enforcement</b>                              |              |                         |                          |   |
| Prohibition on Wasting Water                                   | Y            | 340,668,000             |                          | Savings from 9,463 WaterWaste Citations, additionally, there were 6,386 warnings (no savings estimated from warnings)                                 |
| Conservation Ordinance Planning and Development                | Y            | 811,837,200             |                          | Savings attributed to Annual Large Property Irrigation Check-Ups  |
| Enforcement of Irrigation Standards                            | Y            |                         |                          | San Antonio enforces irrigation standards including requiring permits for irrigation systems but does not attribute savings directly to this practice |
| <b>Retail</b>  |              |                         |                          |   |
| OTHER (sum of entries shown below)                             | Y            | 612,264,977             |                          |   |
| WaterSmart Home Reports Program                                | Y            | 609,877,600             |                          | Savings based on results of random control trial pilot program, aggregate of print and email water report savings                                     |
| Flow Sensor Rebate Program                                     | Y            | 152,400                 |                          | Savings based on random control trial pilot program   |
| Smart Irrigation Controller Program                            | Y            | 854,977                 |                          | Savings from the random control trial pilot program   |
| Pool Filters   | Y            | 1,380,000               |                          |   |
| <b>Total</b>   |              | <b>1,829,939,906</b>    | <b>3,070,010,410</b>     |   |

| Name                                    | Number of Times this Year | Total Population Reached this Year | Notes  |
|---|---------------------------|------------------------------------|--|
| Brochures Distributed                   | 710                       | 241,049                            | Brochures are distributed at community events, exhibits, presentations, and more   |
| Messages Provided on Utility Bills      | 12                        | 6,904,452                          | Conservation note in all bill inserts, population based on number of SFR connections over 12 months  |
| Press Releases                          | 21                        | 5,000,000                          | Local distribution of press releases, some are picked up regionally and nationally, difficult to quantify the reach. 25 press releases sent to contacts that share the information, reaching entirety of population multiple times. Estimate of 5 million reach is conservative. |
| TV Public Service Announcements         | --                        | --                                 |  |
| Radio Public Service Announcements      | 530                       | 2,586,500                          | Messages aired on Texas Public Radio (KSTX-FM and KPAC-FM), Population reached is the total web impressions for the year   |
| Educational School Programs             | 180                       | 12,130                             | Includes classroom presentations, teacher training, career days, and intern program  |
| Displays, Exhibits, and Presentations   | 465                       | 220,722                            |  |
| Community Events                        | 245                       | 20,307                             |  |
| Social Media campaign - Facebook        | 247                       | 725,000                            |  |
| Social Media campaign - Twitter         | 161                       | 175,000                            |  |
| Social Media campaign - Instagram       | 93                        | 230,000                            |  |
| Social Media campaign - YouTube         | 4                         | 1,000,000                          |  |
| Facility Tours                          | 76                        | 3,649                              | Facility tours include field education opportunities and field trips   |
| OTHER (sum of entries shown below)      | 65                        | 2,861,706                          |  |
| Social Media campaign - NextDoor        | 13                        | 210,000                            |  |
| TPR Digital Display Banners             | --                        | 557,000                            | Graphic display banners present on TPR.org   |
| GardenStyle weekly gardening newsletter | 52                        | 1,805,358                          | Newsletter is sent weekly to subscribers (average of 35,399 subscribers/week, max of 36,093)   |
| GardenStyleSA.com + Plant Database      | --                        | 267,932                            | 267,932 users, 1,480,644 site visits, 1:57 average time onsite   |
| Conservation Call Center                | --                        | 21,416                             | Average call is handled within 4:12  |
| <b>TOTAL</b>                            | <b>2,809</b>              | <b>20,190,515</b>                  |  |