

# State Legislative Changes Affecting Water Conservation

John T. Sutton  
Municipal Water Conservation

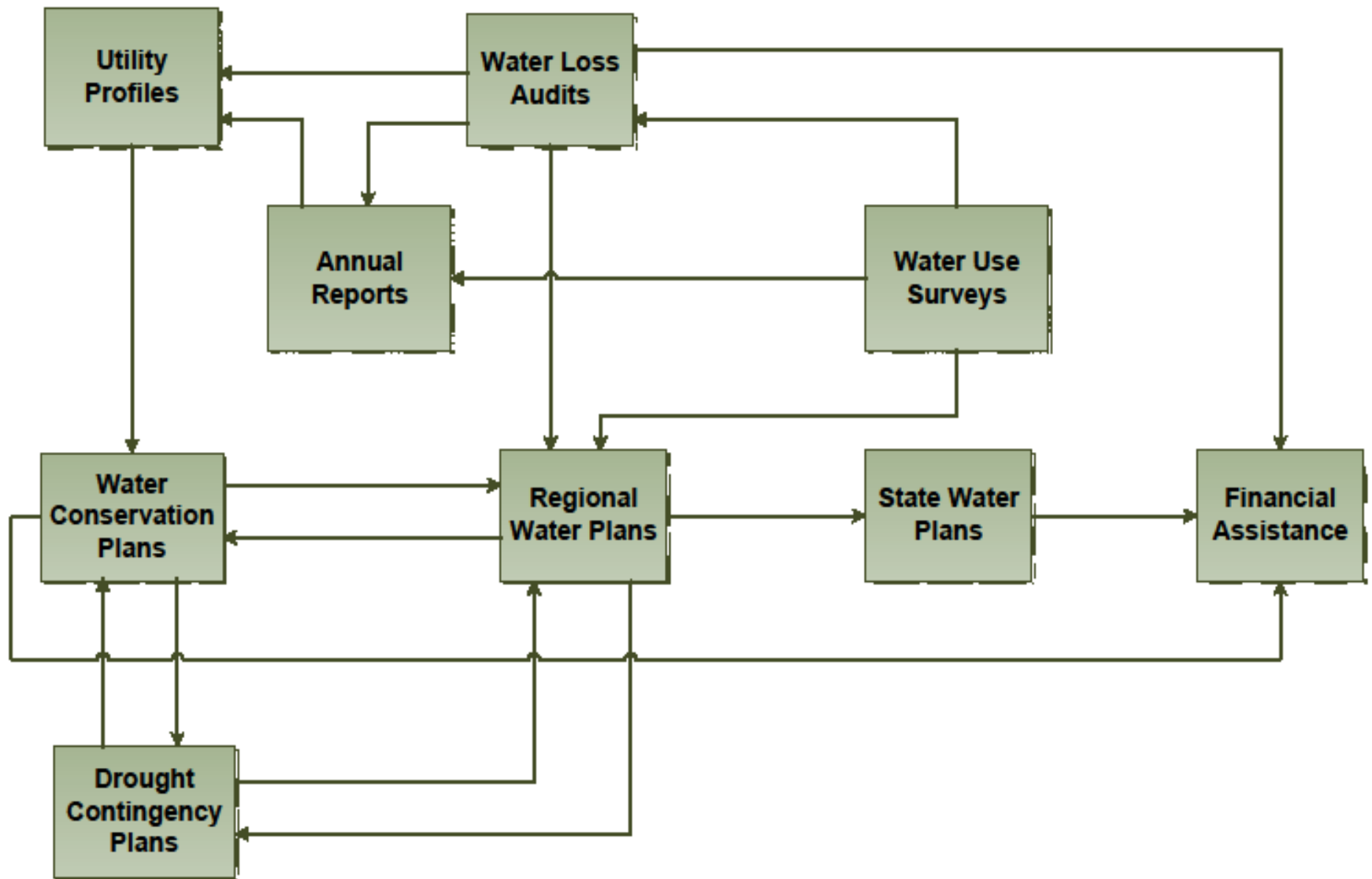
*Unless specifically noted, this presentation does not necessarily reflect  
official Board positions or decisions.*

# Required Submittals

- Water Use Survey
  - March 1<sup>st</sup>
  - All entities using surface water or groundwater for municipal, industrial, power generation, or mining purposes
- Water Loss Audit
  - May 1<sup>st</sup>
  - All retail water suppliers, once every five years
  - Retail water suppliers with active financial assistance with TWDB
  - Retail water suppliers with more than 3,300 connections

# Required Submittals

- Water Conservation Plans
  - Update every five years – May 1<sup>st</sup>
  - Retail water suppliers with active financial assistance with TWDB
  - Retail water suppliers with 3,300 or more connections
  - Entities with certain surface water rights
- Annual Conservation Reports
  - May 1<sup>st</sup>
  - Entities having active financial assistance with TWDB
  - Retail water suppliers with 3,300 or more connections
  - Entities with certain surface water rights

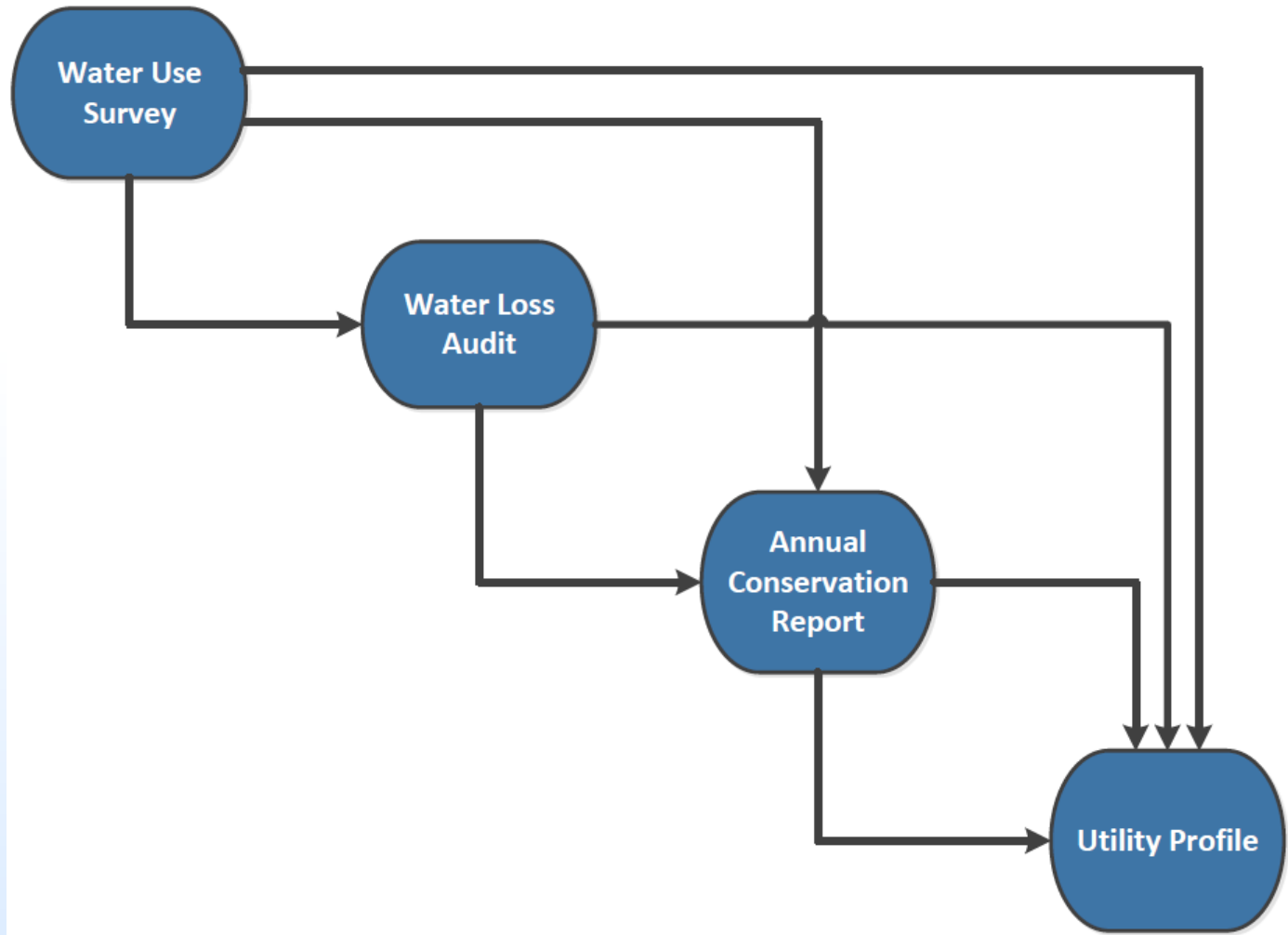


# A Solution

In 2013, the 83rd Texas Legislature appropriated funds to:

- Streamline data collection
- Eliminate redundant data entry
- Improve data
- Make data accessible

# Loss, Use and Conservation Application (LUC)

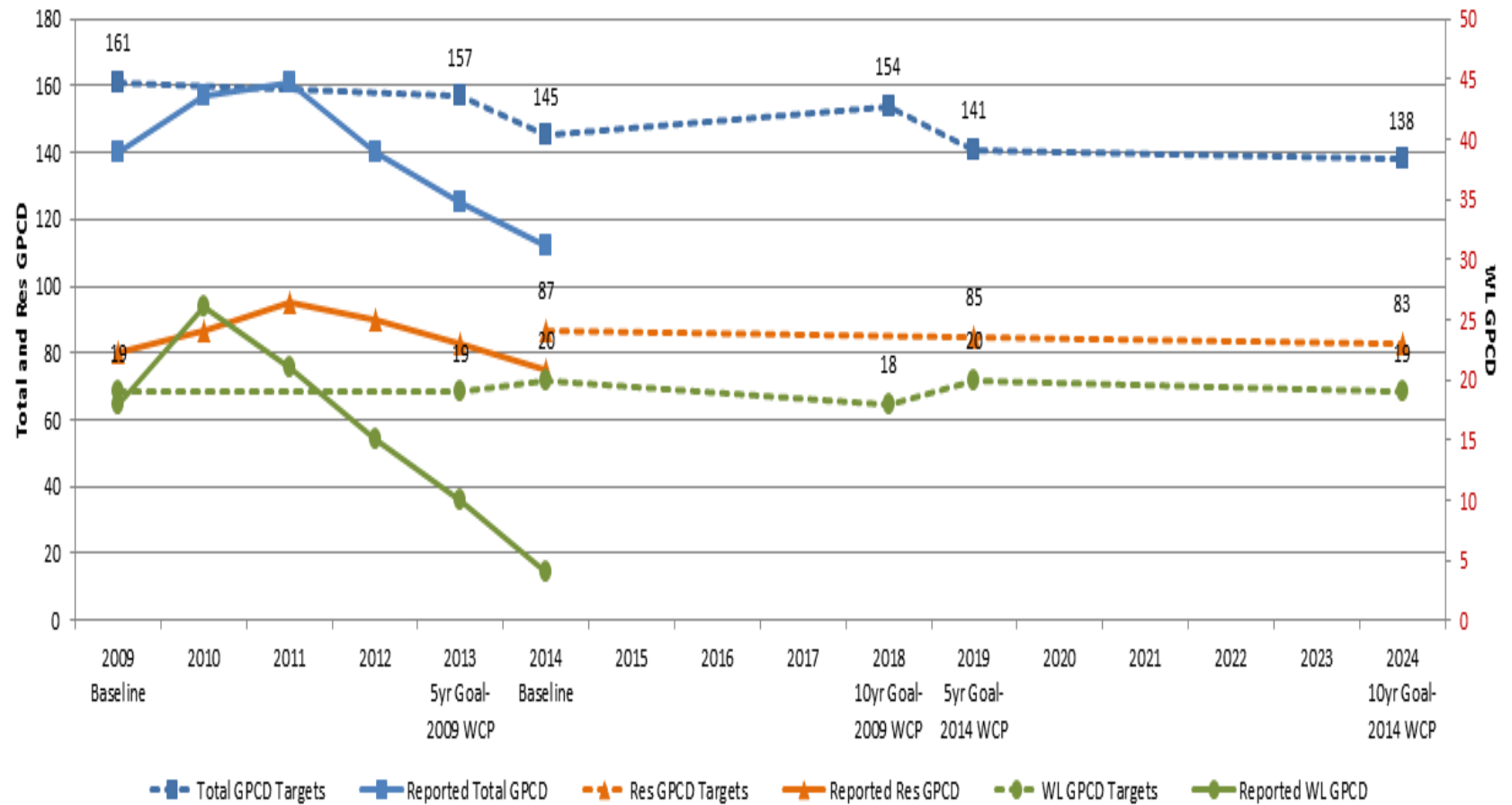


# LUC Application & Reports

## Water Loss & Conservation Data by Year

- by Entity
- by County
- by Region
- by Population
  - <10,000
  - 10,000 to 49,999
  - 50,000 to 99,999
  - >=100,000
- Statewide

## City of Garland



# 85<sup>th</sup> Legislature

## **HB 1648** - Price; Seliger

Sec. 13.146. WATER CONSERVATION PLAN. The commission shall require a retail public utility that provides potable water service to 3,300 or more connections to:

- (1) submit to the ....
- (2) designate a person as the water conservation coordinator responsible for implementing the water conservation plan; and
- (3) identify, in writing, the water conservation coordinator to the executive administrator of the board.

# 85<sup>th</sup> Legislature

## **HB 1648 – Water Conservation Coordinator**

- September 11, 2017 - TCEQ stakeholder meeting. TCEQ accepted informal comments through September 26.
- January 19, 2018 - File rule proposal w/ chief clerk
- February 7, 2018 - Proposed agenda
- February 23, 2018 - Texas Register publication
- February 23-March 26, 2018 - Public comment period
- March 20, 2018 - Public hearing
- July 25, 2018 - Adoption agenda
- August 23, 2018 - Adoption

Utility Profile

+ Conservation Plan

Annual Report

## Conservation Plan Retail Water Supplier

### CONTACT INFORMATION

#### Water Utility General Information

Name of Utility: City of La Feria  
Public Water Supply Identification Number (PWS ID): TX0310003  
Certification of Convenience and Necessity (CCN) Number: 10977  
Surface Water Right ID Number:  
Wastewater ID Number: 20388

#### Conservation Plan Contact Information:

Last Name: \* Smith  
First Name: \* Bob  
Title:  
Address:  
City: State: Select Zip: Zip+4:  
Email: \* bsmith@email.com  
Phone: \* 512-123-4567 x

\* Is this person the designated Conservation Coordinator? ☐ Yes ☐ No

Regional Water Planning Group: M

Groundwater Conservation District:

Our records indicate that you:

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

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- Utility Profile
- + Conservation Plan
- Annual Report

## Conservation Plan Retail Water Supplier

### CONTACT INFORMATION

#### Conservation Plan Contact Information:

Last Name: \* Smith  
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 Address:  
 City: State: Select Zip: Zip+4:  
 Email: \* bsmith@email.com  
 Phone: \* 512-123-4567 x

\* Is this person the designated Conservation Coordinator? ☐ Yes ☒ No

#### Conservation Coordinator

Last Name: \*  
 First Name: \*  
 Title:  
 Address:  
 City: State: Select Zip: Zip+4:  
 Email: \*  
 Phone: \* x

#### Regional Water Planning Group

Groundwater Conservation District:

Our records indicate that you:

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

# 85<sup>th</sup> Legislature

## **HB 1573** - Price; Creighton

SECTION 1. Section 16.0121, Water Code, is amended by adding Subsections (i) and (j) to read as follows:

(i) The board by rule shall require the audits required by Subsections (b) and (b-1) to be completed by a person trained to conduct water loss auditing.

(j) The board shall make training on water loss auditing available without charge from the board's website. The board may provide training in person or by video or a functionally similar and widely available medium. Training provided under this subsection must include comprehensive knowledge of water utility systems and terminology and any tools available for analyzing audit results. In creating training materials, the board may consider other organizations' training programs.

# 85<sup>th</sup> Legislature

## **HB 1573 – Water Loss Training**

October 17, 2017 – TWDB authorized publication of proposed amendments

November 3 – December 5, 2017 – Public comment period

January 22, 2018 – Adoption

January 1, 2019 – Effective Date

[www.twdb.texas.gov/conservation/resources/waterloss-resources.asp](http://www.twdb.texas.gov/conservation/resources/waterloss-resources.asp)

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**IMPORTANT - Read this** - How to use the **Save**, **Submit Worksheet** and **Un-Submit Worksheet** buttons -> [?](#)

If further assistance is needed contact [WLA-Group@twdb.texas.gov](mailto:WLA-Group@twdb.texas.gov) or 512.463.0987.

\* FIELDS MARKED WITH A RED STAR MUST BE FILLED OUT BEFORE THIS FORM CAN BE SUBMITTED.

#### A. Water Utility General Information

1. Water Utility Name: CITY OF ROUND ROCK  
1a. Regional Water Planning Area: [?](#) G  
1b. Address: 221 E MAIN ST  
ROUND ROCK, TX 78664-5271

#### 2. Contact Information:

\* 2a. Name: Luc Test  
\* 2b. Telephone Number: (512) 123-4567  
\* 2c. Email Address: testscott88@gmail.com

Have you completed Water Loss Auditor Training?

☐

Yes

☐

No

#### 3. Reporting Period: [?](#)

\* 3a. Start Date: (m/d/yyyy)  
\* 3b. End Date: (m/d/yyyy)

Water Audit Report for 2460003, Year 2017 [Save](#) [Submit Worksheet](#) [Help for Form Completion](#) [Assessment Scale](#) [Cancel](#)

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#### 3. Reporting Period: [?](#)

\* 3a. Start Date: (m/d/yyyy)  
\* 3b. End Date: (m/d/yyyy)

Have you completed Water Loss Auditor Training? ☒ Yes ☐ No

Please upload your Acknowledgement of Training Completion document:

[Attach File\(s\)](#)

Water Audit Report for 2460003, Year 2017

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Have you completed Water Loss Auditor Training? ☐ Yes ☒ No

You may continue completing the Water Loss Audit, however, you will not be able to submit the completed worksheet until Water Loss Auditor Training has been completed. Please go to [WLATraining](#) to complete the training and receive your Acknowledgement of Training Completion document.

#### 3. Reporting Period:

\* 3a. Start Date: (m/d/yyyy)

\* 3b. End Date: (m/d/yyyy)

# 85<sup>th</sup> Legislature

## Rider 24

### **Quantifying and Installing Water Conservation Strategies.**

Amounts appropriated above in Strategy A.3.1. Water Conservation Education and Assistance, include \$127,860 out of the General Revenue Fund in fiscal year 2018 to be used for the purpose of meeting the municipal water conservation goals of the 2017 State Water Plan. The Water Development Board shall use the funds to develop and manage a provider contract to deliver the most effective and accurate process by which to measure water conservation statewide. The Water Development Board, by region, should quantify and install, on a pro rata basis, sufficient municipal water conservation strategies to meet the goals of the 2017 State Water Plan.

# 85<sup>th</sup> Legislature

## Rider 24 –

Similar language to Rider 26 from previous legislative session

Previous quantification study is finalized

[www.twdb.texas.gov/conservation/doc/StatewideWaterConservationQuantificationProject.pdf?d=3740.48000000000005](http://www.twdb.texas.gov/conservation/doc/StatewideWaterConservationQuantificationProject.pdf?d=3740.48000000000005)

Staff is developing scope for a RFA

Requested ideas and feedback from WCAC and regional water planning chairs and consultants

# Water Conservation Quantification Project

In fall of 2016, the TWDB contracted with Averitt & Associates, Inc.

Task 1: Develop an approach to estimate the implementation of recommended municipal water conservation strategies in the approved 2016 regional water plans.

Task 2: Prepare an assessment of the implementation of recommended municipal water conservation strategies in the approved 2016 regional water plans.

Task 3: Quantitatively determine on an annual pro-rata basis the implementation of recommended municipal water conservation strategies required to meet the water conservation goals in the approved 2016 regional water plans.

Task 4: Incorporate the use of the TWDB's Best Management Practices Guide as appropriate.

Task 5: Review the recommended municipal water conservation strategies in the approved 2016 regional water plans.

Task 6: Review earlier studies and incorporate relevant findings as appropriate.

# Water Conservation Quantification Project

## Project

- Engaged more than 230 water utilities to participate
- Interviewed and collected data from 170 utilities that ultimately participated
- Measured and quantified more than 547 individual conservation activities
- Produced 170 individual reports that included quantified activity savings, water loss reduction savings, individual conservation goal assessment, state water plan goal assessment, and suggested activities that are attainable and meet state water plan goals in the future
- Produced 15 regional reports that detail each region's progress in meeting the recommended regional water plan conservation goals
- Produced one state report summarizing the results of the project

# Water Conservation Quantification Project

## Key Findings

- With the current conservation activities of 170 participating water utilities in place— and without further enhancement— these 170 utilities will:
  - exceed their collective recommended 2020 water conservation supply volume by 136,981 acre-feet per year.
  - fall short of their 2050 volume by 6,409 acre-feet per year.
- One activity—an ordinance that permanently limits outdoor watering to twice per week or less—is projected to save 112,223 acre-feet per year in 2020 by the 46 utilities that have adopted it.
- Utilities with greater than 100,000 people average 6 measurable conservation activities, while utilities with less than 50,000 average 2 measurable conservation activities.

# Water Conservation Quantification Project

## Recommendations

- Regional Water Planning Groups can play a vital role to educate, but should not be expected to drive conservation efforts.
- Wholesale water providers should function as key stakeholders and drivers of monitoring, measuring, and reporting conservation activity to their customer cities and utilities.
- Consider using a stakeholder group to form a consensus on savings estimates for activities being implemented throughout Texas.
- Utilities should consider the suggested activities listed in each of the individual reports issued as part of this project.



Know your water.

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