

# WATER for TEXAS

*Water for the Future*

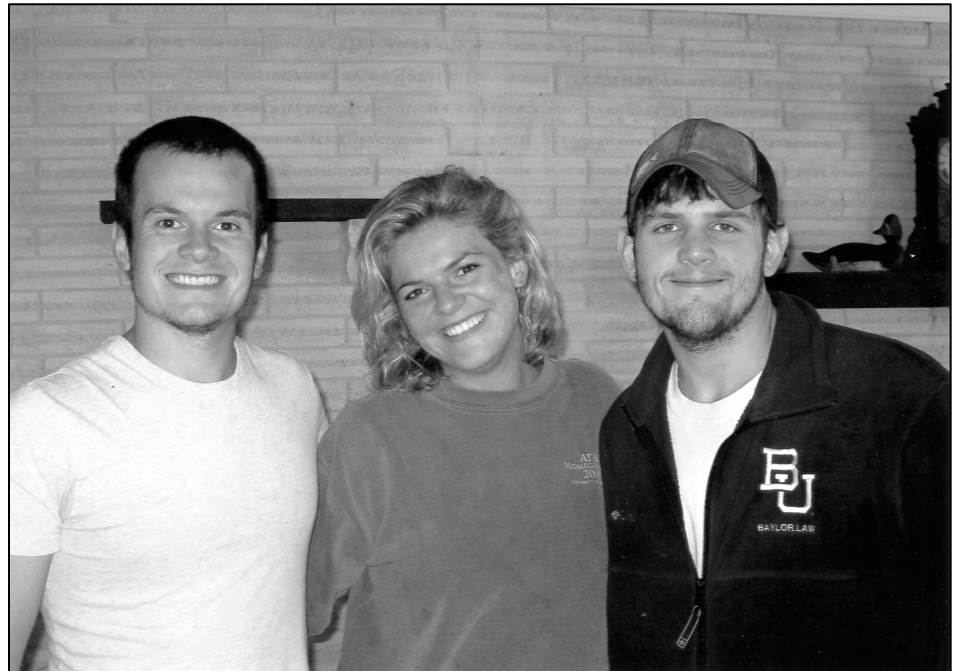
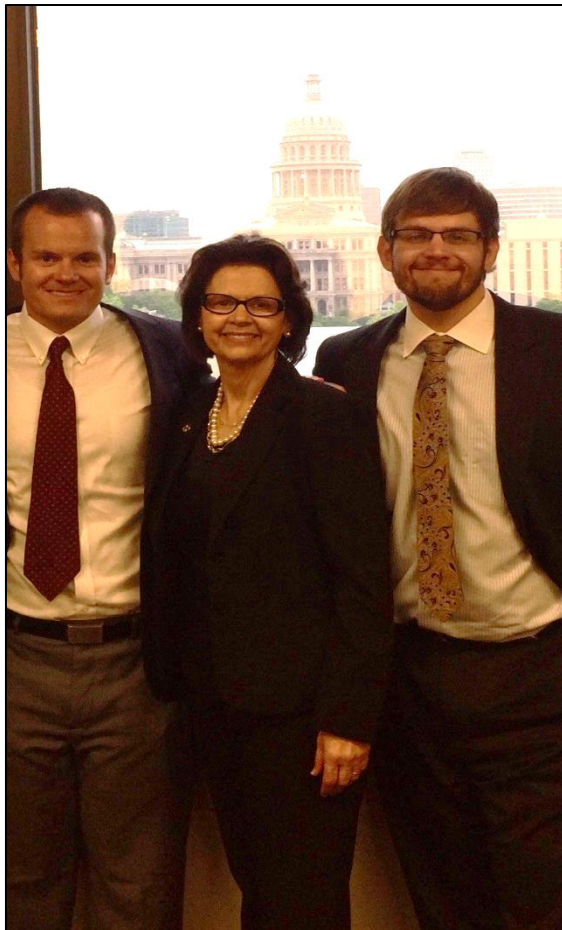


Kathleen Jackson, Director



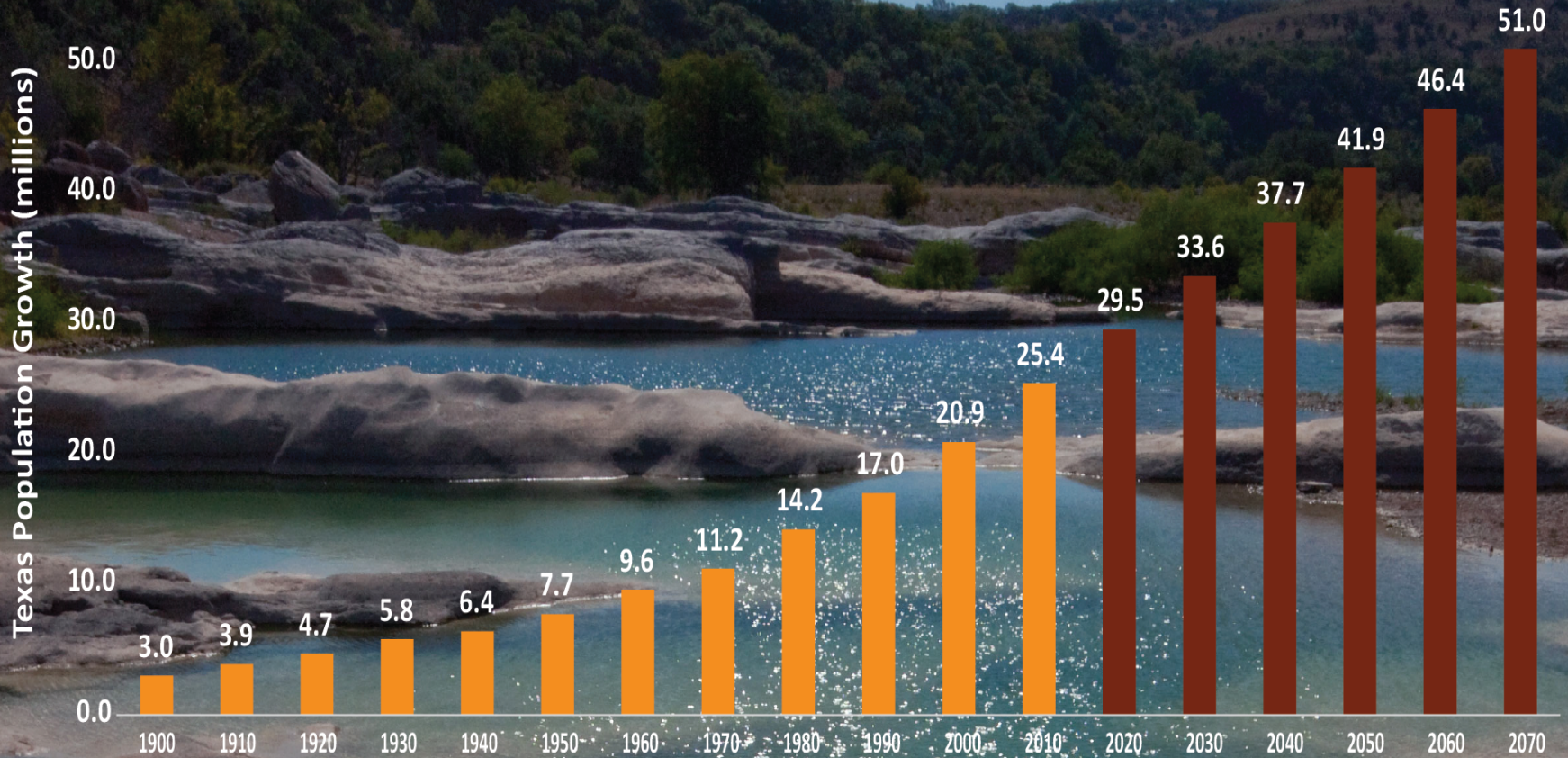
# OUR MISSION

To provide leadership, information, education, and support for planning, financial assistance, and outreach for the conservation and responsible development of water for Texas.





# HISTORIC AND PROJECTED TEXAS POPULATION GROWTH



# HOW CAN WE PROMOTE RESILIENCY?

- **Conservation**
- **Reuse**
- **Brackish groundwater desal**
- **Seawater desal**
- **Aquifer storage and recovery**
- **Aquifers**
- **Reservoirs**



# REGIONAL WATER PLANNING GROUPS



Region L



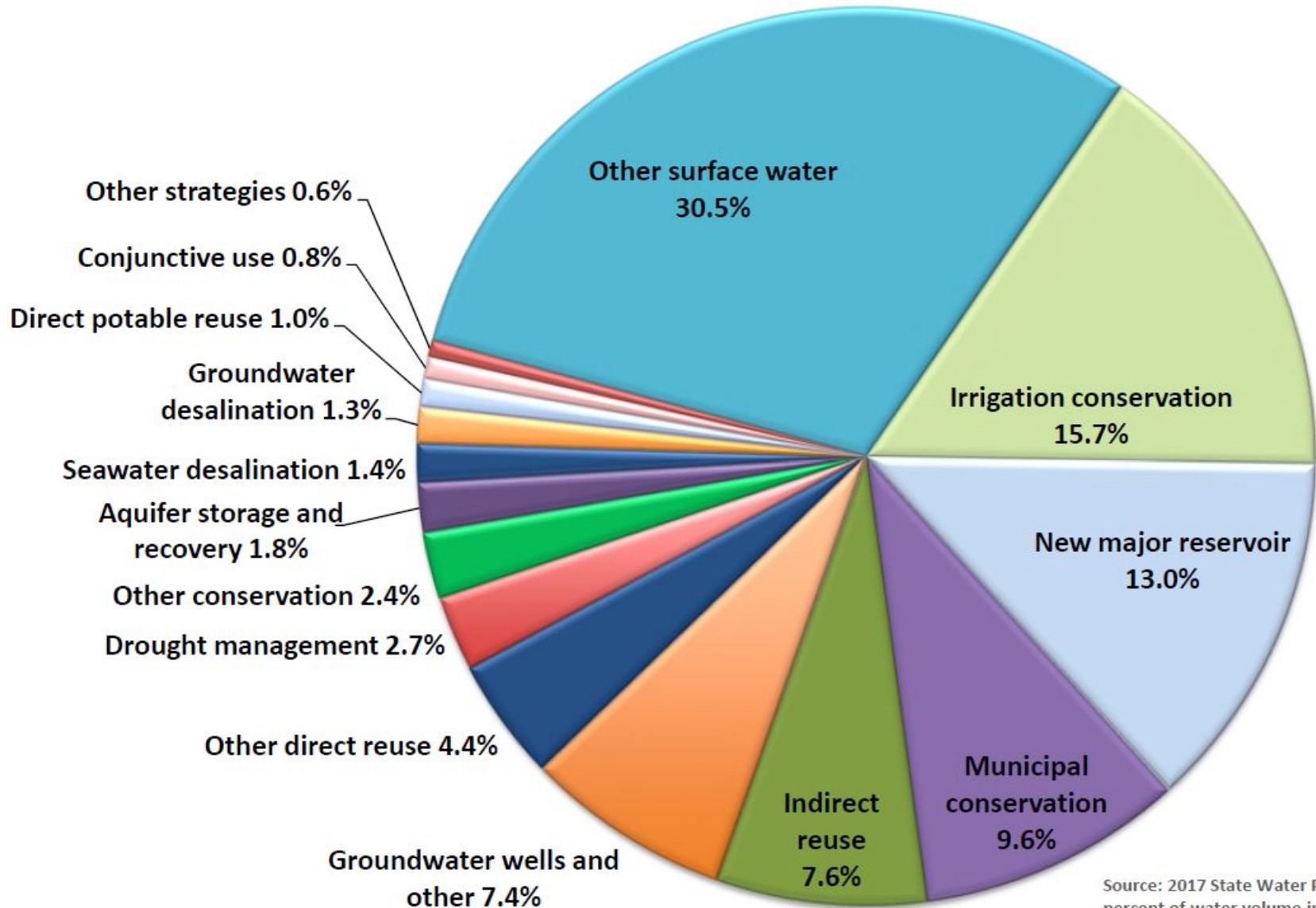
Region G

- Local Political Subdivision serves as administrator
- Public, consensus-driven
- Local/regional decision making process



Region K

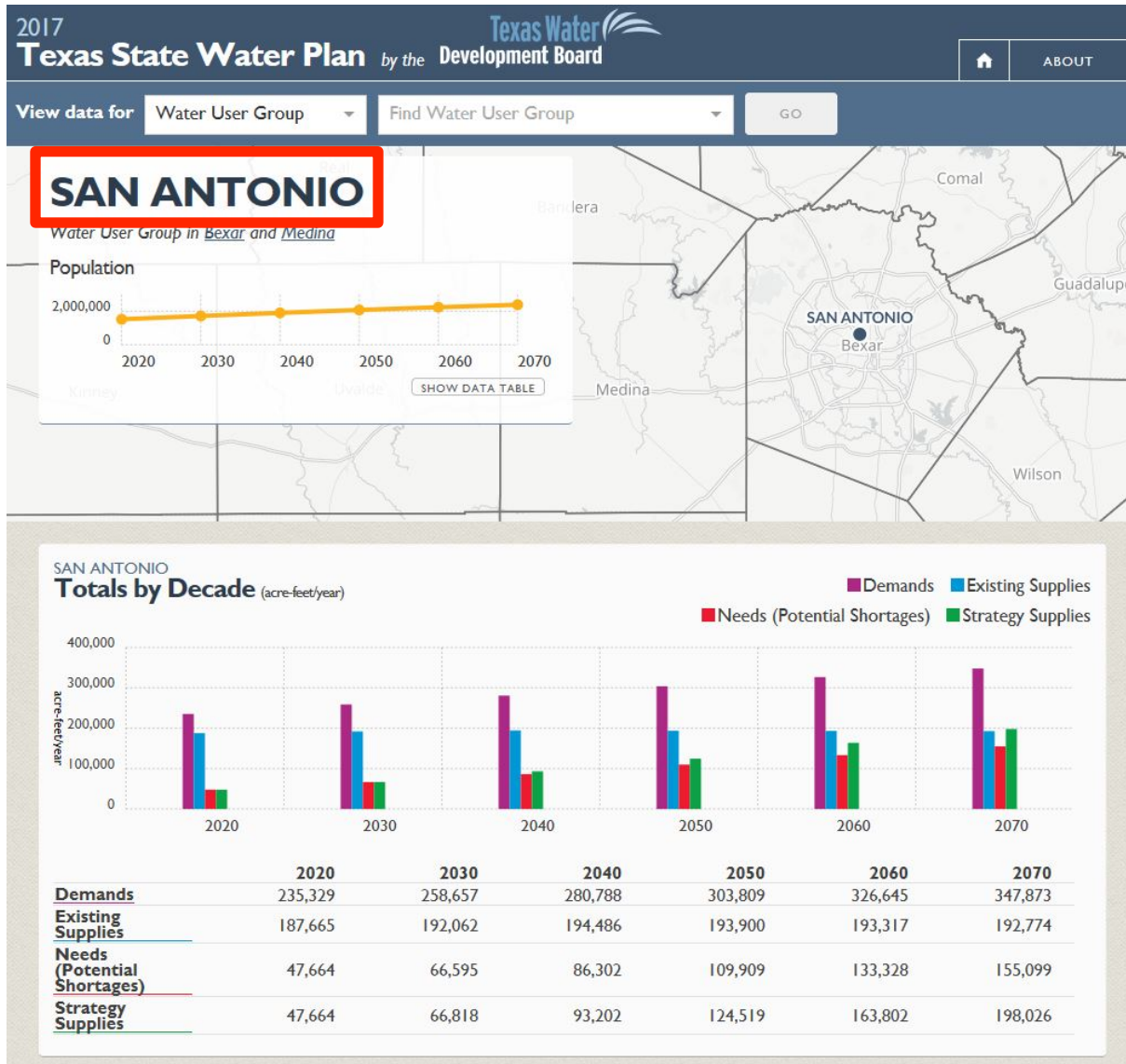
# SHARE OF WATER MANAGEMENT STRATEGIES IN 2070



Source: 2017 State Water Plan; reflects percent of water volume in plan



# ONLINE 2017 STATE WATER PLAN



<http://texasstatewaterplan.org>

# 2017 STATE WATER PLAN

## Water Supply Strategies 2020-2070

**5,500  
strategies**

**\$63 billion**

### 2012 Plan

- Total Cost: \$55.6 billion
- Strategies: 3,750
- Conservation: \$1 billion
- Conservation and Reuse: 34% of water volume in plan

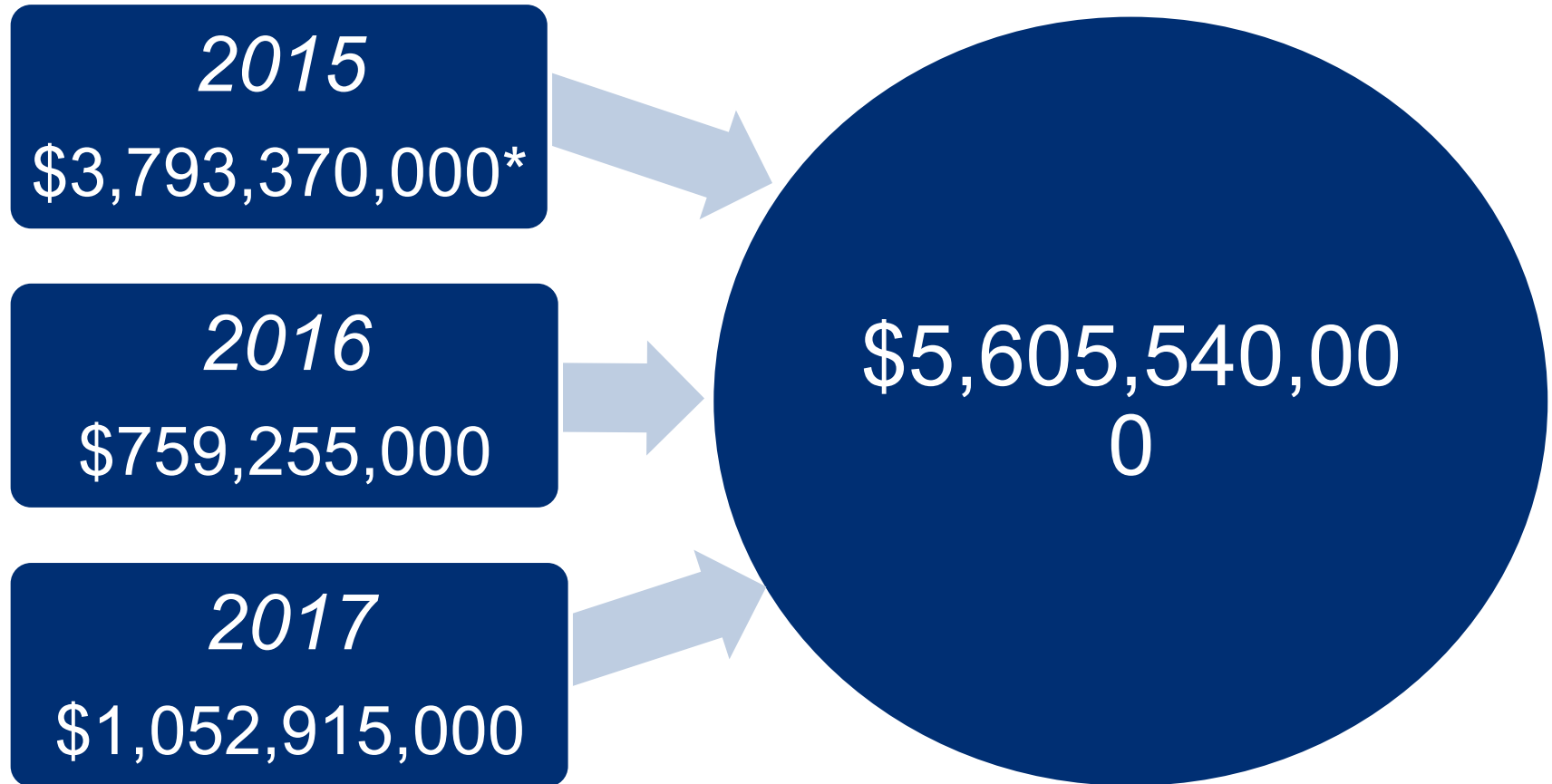


### 2017 Plan

- Total Cost: \$63 billion
- Strategies: 5,500
- Conservation: \$4.4 billion
- Conservation and Reuse: 45% of water volume in plan



# TOTAL SWIFT COMMITMENTS

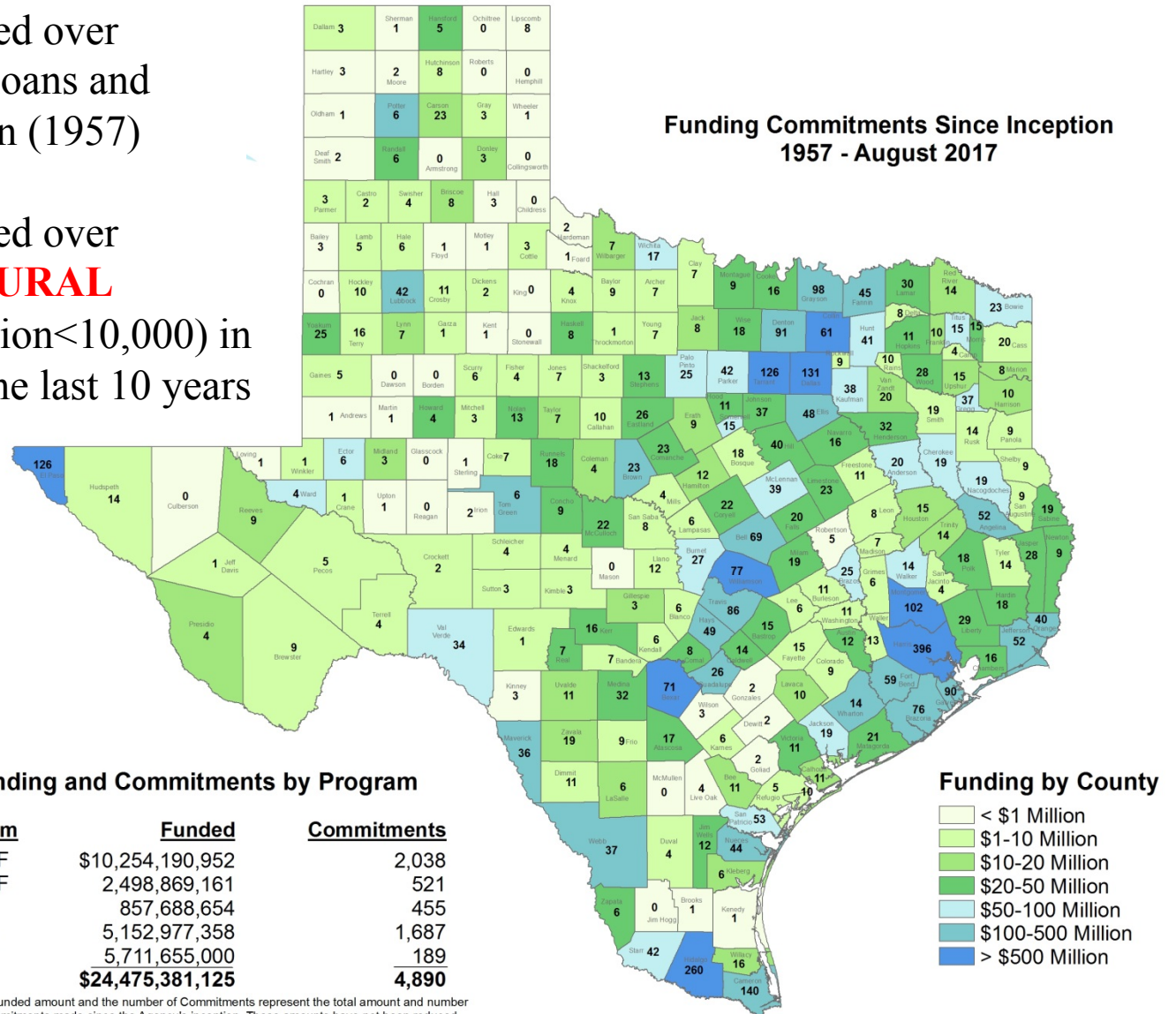


\* Reflects subsequent adjustment based on actual closings.

# COMMUNITIES FUNDED

- TWDB has committed over **\$24.5 BILLION** in loans and grants since inception (1957)
- TWDB has committed over **\$1 BILLION TO RURAL ENTITIES** (population < 10,000) in loans and grants in the last 10 years

Funding Commitments Since Inception  
1957 - August 2017





# INFRASTRUCTURE REHAB & REPLACEMENT

- Have you developed a Capital Improvement Plan (CIP)?
- Are you aware of existing infrastructure needs?
- Are you replacing infrastructure pro-actively rather than re-actively?



# TWDB REGIONAL TEAMS

## Regional Water Project Teams



Team 1 Panhandle/West

- ◆ Lee Huntoon
- ◆ *Team Manager*

512-463-6021  
lee.huntoon@twdb.texas.gov



Team 2 Brazos

- ◆ Caaren Skrobarczyk
- ◆ *Team Manager*

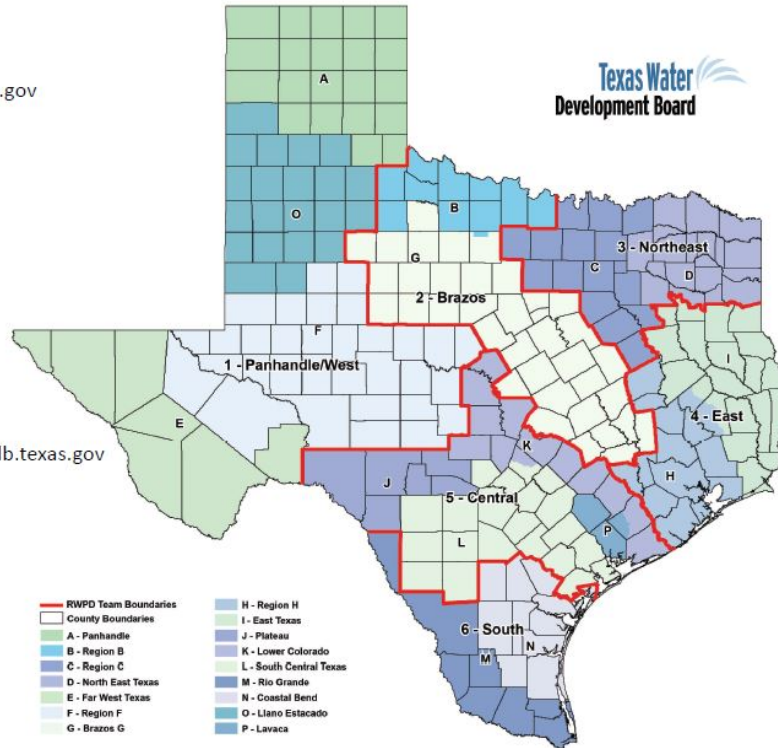
512-475-1128  
caaren.skrobarczyk@twdb.texas.gov



Team 3 Northeast

- ◆ Luis Farias
- ◆ *Team Manager*

512-475-4816  
luis.farias@twdb.texas.gov



- ◆ RWPD Team Boundaries
- ◆ County Boundaries
- ◆ A - Panhandle
- ◆ B - Region B
- ◆ C - Region C
- ◆ D - North East Texas
- ◆ E - Far West Texas
- ◆ F - Region F
- ◆ G - Brazos G
- ◆ H - Region H
- ◆ I - East Texas
- ◆ J - Plateau
- ◆ K - Lower Colorado
- ◆ L - South Central Texas
- ◆ M - Rio Grande
- ◆ N - Coastal Bend
- ◆ O - Llano Estacado
- ◆ P - Lavaca



Team 4 East

- ◆ Nancy Richards
- ◆ *Team Manager*

512-463-0250  
nancy.richards@twdb.texas.gov



Team 5 Central

- ◆ Dain Larsen
- ◆ *Team Manager*

512-463-1618  
dain.larsen@twdb.texas.gov



Team 6 South

- ◆ Mireya Loewe
- ◆ *Team Manager*

512-475-0590  
mireya.loewe@twdb.texas.gov

# TWDB FUNDED PROJECT

## City of Marfa

### *Additional Water Well*

- Drill and equip a new water well to replace existing well that has reached the end of its projected useful life
- City currently operates 2 water wells
- \$705,000 through first round of State Water Implementation Fund for Texas (SWIFT) funding
- Rural project





# TWDB FUNDED PROJECT

## Lee County Fresh Water Supply District No. 1 *New Ground Storage & Pump Station*

- Construct new storage tanks to replace those not meeting TCEQ criteria
- Provides service to Dime Box, TX
- Service population of 390
- Qualified for very small systems funding
- Drinking Water State Revolving Fund (DWSRF)  
\$525,000 and \$351,839 Loan Forgiveness (Very Small Systems)



# TWDB FUNDED PROJECT

## City of Arlington

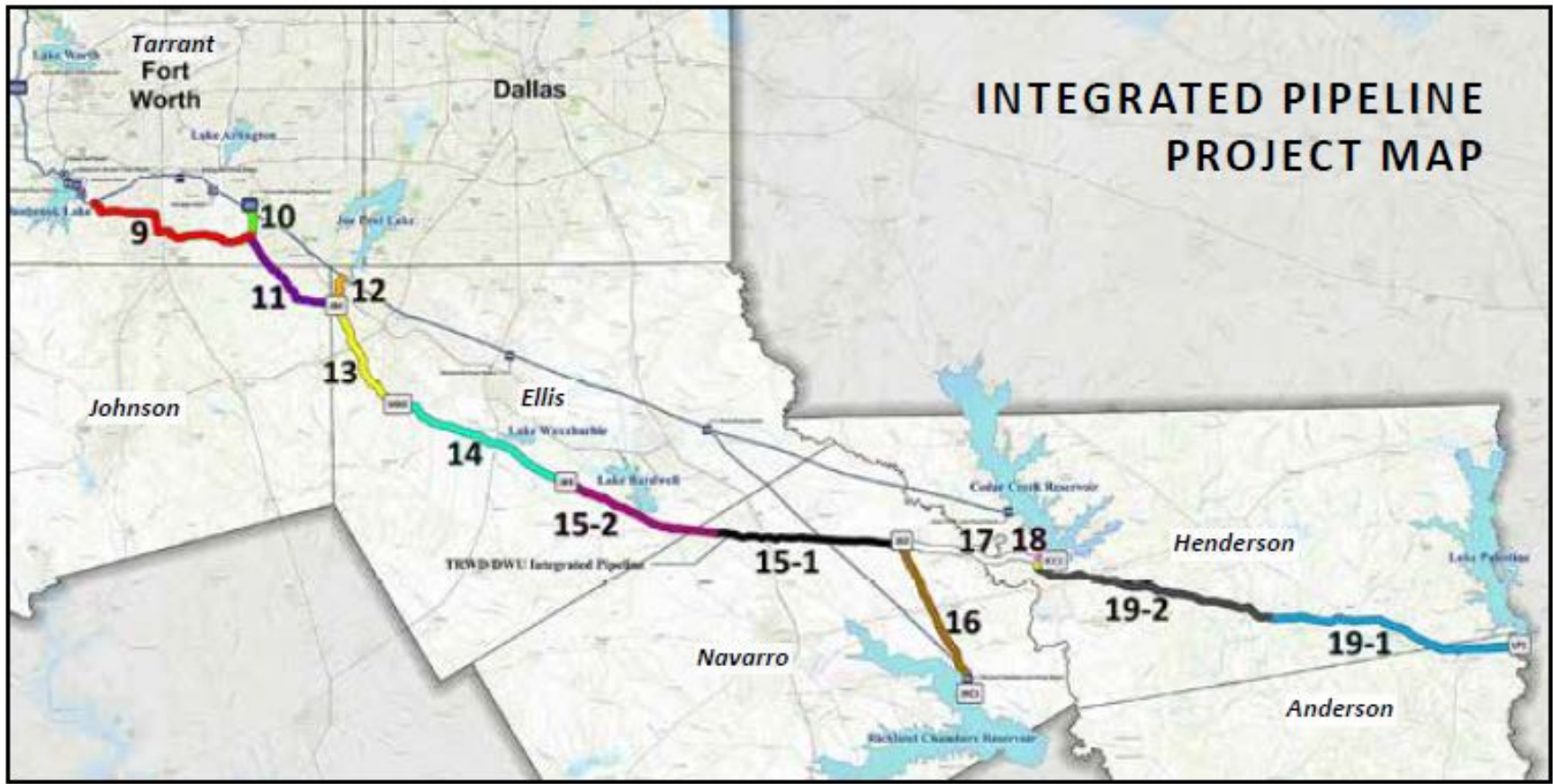
### *Replacement of Sanitary Sewer Lines*

- Replacing existing sanitary sewer lines in targeted areas that have the most deteriorated lines
- Replacing approx. 19,075 linear feet of water lines with 4 to 24 inch piping
- Clean Water State Revolving Fund  
\$4,775,000 and \$826,861 Loan Forgiveness  
for Green Project Funding



# INTEGRATED PIPELINE PROJECT

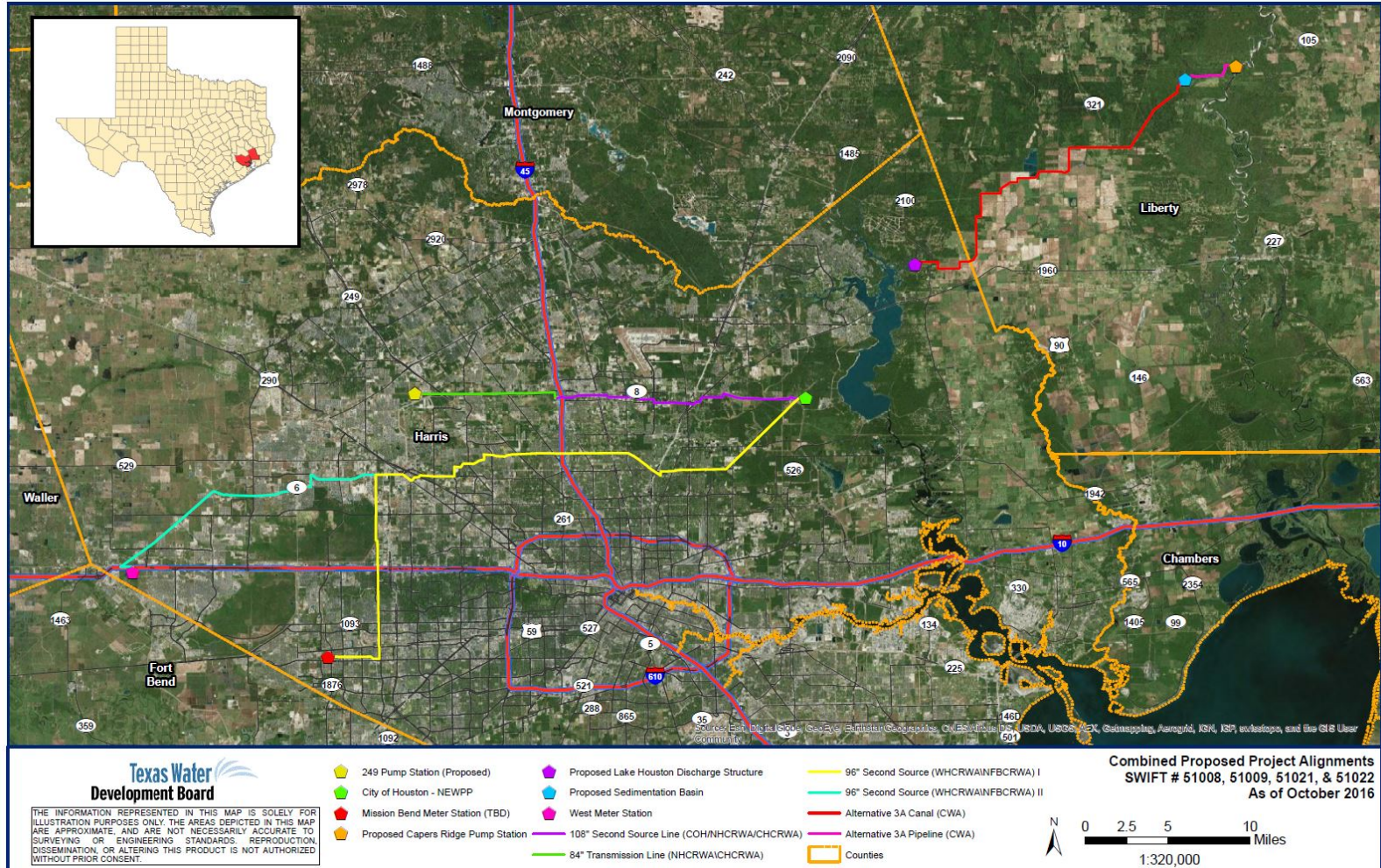
Tarrant Regional Water District & City of Dallas Water Utility  
SWIFT = \$440 million



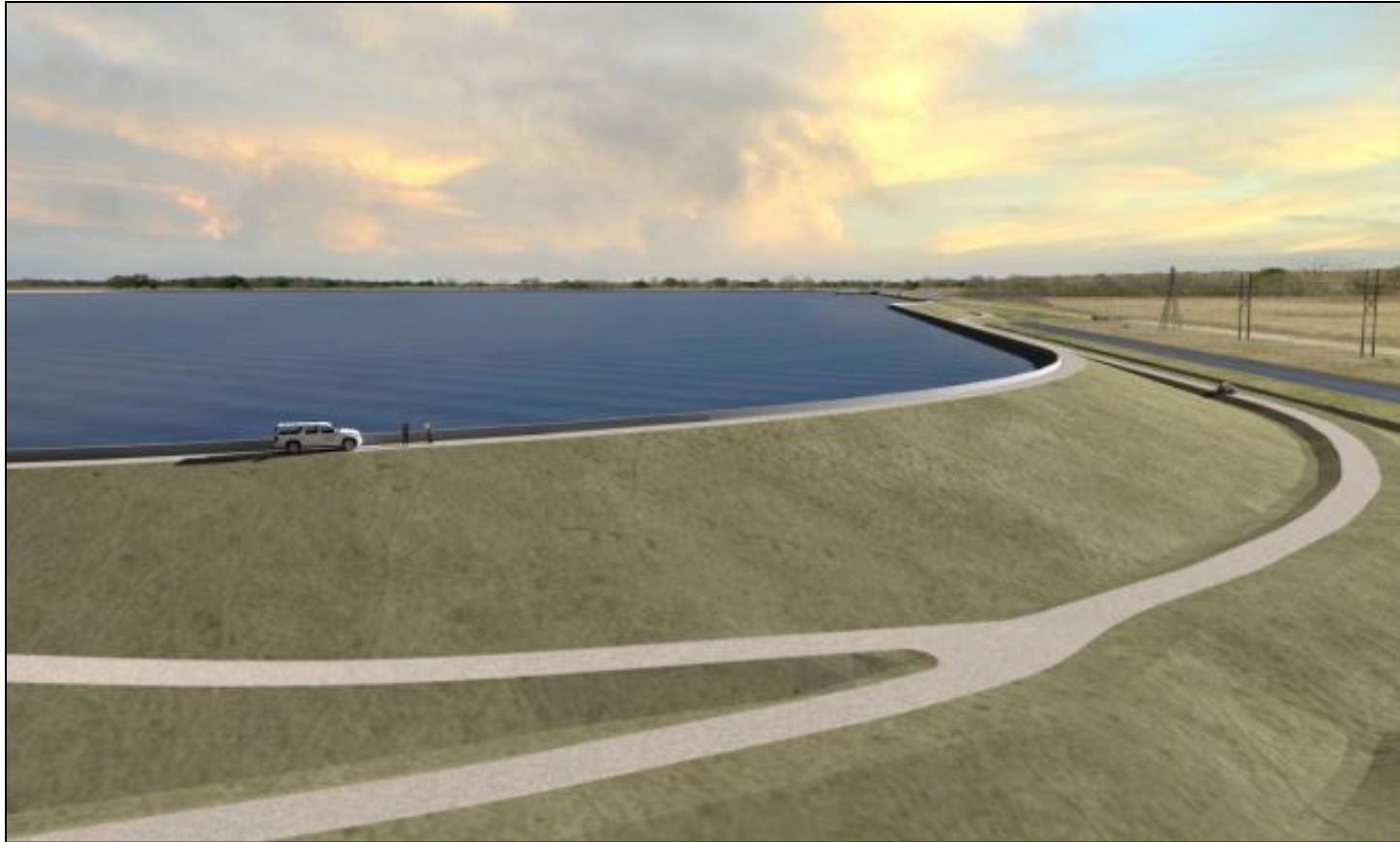


# LUCE BAYOU INTERBASIN TRANSFER PROJECT

**Houston Area**  
**Combined SWIFT Projects**  
**Total Project Cost = \$3,200,310,000**



# LCRA LANE CITY OFF-CHANNEL RESERVOIR



DFund loan = \$255,000,000

Firm yield is expected to increase  
600,000 acre-feet → 690,000 acre-feet per year



# TWDB FUNDED PROJECTS



Hidalgo County Irrigation District #1  
SWIFT - \$7,100,000  
Ag Irrigation Conveyance System Improvements



United Irrigation District  
SWIFT - \$8,100,000  
Off Channel Storage Facility



# IMPACT OF HURRICANE HARVEY FLOODING – SOUTHEAST TEXAS



TEXAS  FLOOD.org

What to Do? Before, During, and After a Flood

# TWDB REGIONAL FINANCIAL ASSISTANCE WORKSHOPS

<b>Location *</b>	<b>Date</b>	<b>Building Name</b>	<b>Address</b>
Plainview	September 12, 2017 – 10 a.m.	Plainview Civic Center	2902 W. Fourth St. Plainview, TX
Nacogdoches	October 3, 2017 – 9 a.m.	C.L. Simon Recreation Center/Library	1112 North St. Nacogdoches, TX
El Paso	October 10, 2017 – 2 p.m. Mountain Daylight Time	Rio Grande COG Patriot Plaza	8037 Lockheed Dr., Ste 100 El Paso, TX
Yoakum	November 7, 2017 – 10 a.m.	Texas Department Of Transportation-Training Room	403 Huck Street Yoakum, TX
Edinburg	December 12, 2017 – 9 a.m.	Edinburg Conference Center at Renaissance	118 Paseo Del Prado Edinburg, TX
Glen Rose	January 9, 2018 – 1 p.m.	Somervell County Water District, Administrative Office-Board Room	2099 County Road 301 Glen Rose, TX





# BUILDING A STRONGER TEXAS



San Antonio Water System (SAWS)  
H2Oaks Center – Brackish Desal Plant



City of Kirbyville  
Jasper County



# HOW TO CONTACT ME



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