Texas Water Development Board

SWIFT Program Financing for Conservation Projects

Topics

- SWIFT Overview
- Project Eligibility
- Application Process Overview
- Other TWDB Resources

SWIFT

State Water Implementation Fund for Texas

Eligible Projects

- Recommended Water Management Strategies in the state water plan
- The plan includes a wide range of water supply and conservation projects
- All project phases eligible: Planning, Acquisition, Design, and Construction

Financing Options

- Low-interest loans
- Deferred loans
- Board Participation
- Multi-year commitments

Low-Interest Loans:

	Low-Interest Loans		Rural/Agriculture	
Term	Tax-Exempt	Taxable	Tax-Exempt	Taxable
20 Years	35%	28%	50%	40%
21-25 Years	25%	20%	34%	27%
26-30 Years	20%	16%	27%	22%

Rural/Ag Eligibility:

- Agricultural water conservation/irrigation project; **or**
- Project serving a population of 10k or less, which falls entirely outside urbanized areas as defined in most recent US Census data.

Fort Worth

Advanced Metering Infrastructure

- Enhances conservation efforts while reducing operational costs
- Includes automated leak detection
- Anticipated annual conservation savings of 9,450 acre-feet
- $76 million total SWIFT commitment
- Multi-year commitment allowed 2 closings to match project phases
- Cumulative savings of **$1,769,707** compared to open market

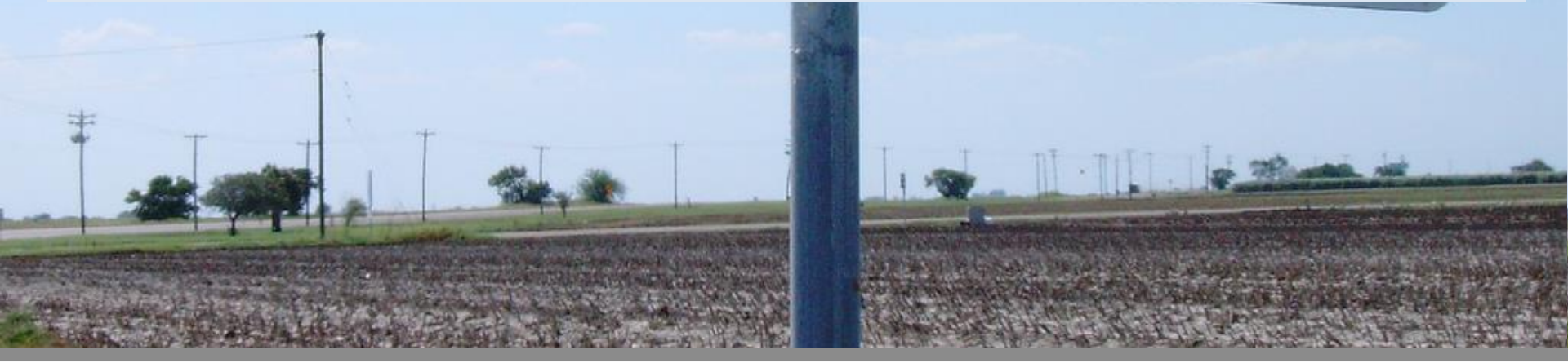
Bedford

Distribution System Improvements

- Replacement of 90% of the city's existing distribution system
- Approx. 15,000 meters
- $90 million multi-year commitment
- Closed on $50 million so far
- Cost savings of **$4,002,142** compared to open market

Hidalgo County Irrigation District No. 1

- Project adds lining to an existing earthen canal
- Seepage & breaks limit availability of irrigation water
- Reinforced geomembrane & concrete lining
- $7,100,000 SWIFT commitment
- Cost savings of **$916,215** compared to open market



Is my project eligible for SWIFT?

- Is it a recommended water management strategy in the state water plan?

Not sure? TWDB's planning staff can help!

- Is there an associated capital cost?

Development of Recommended Strategies

Regional evaluation based on:

- water quantity and reliability
- financial costs
- impacts to environment and agriculture
- impacts to water quality
- other factors such as regulatory requirements, time required to implement, etc.

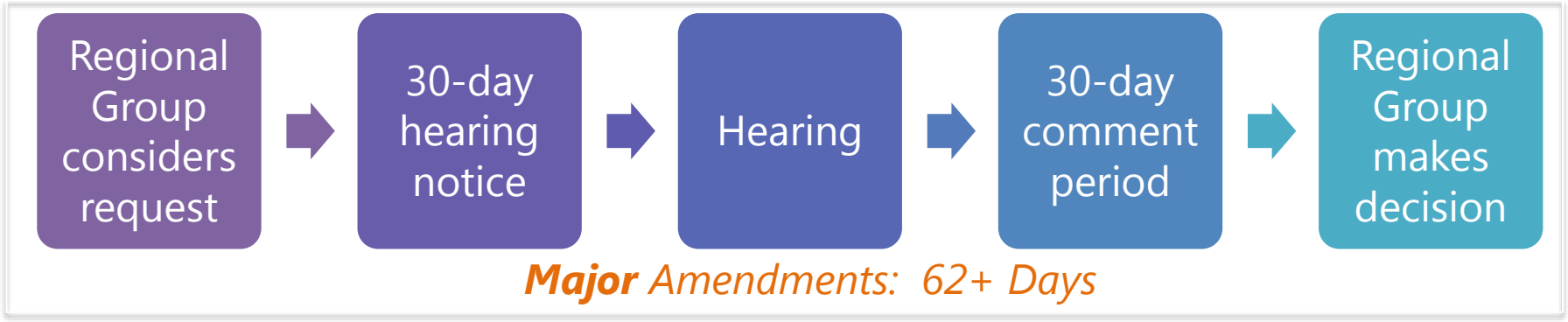
Amendments

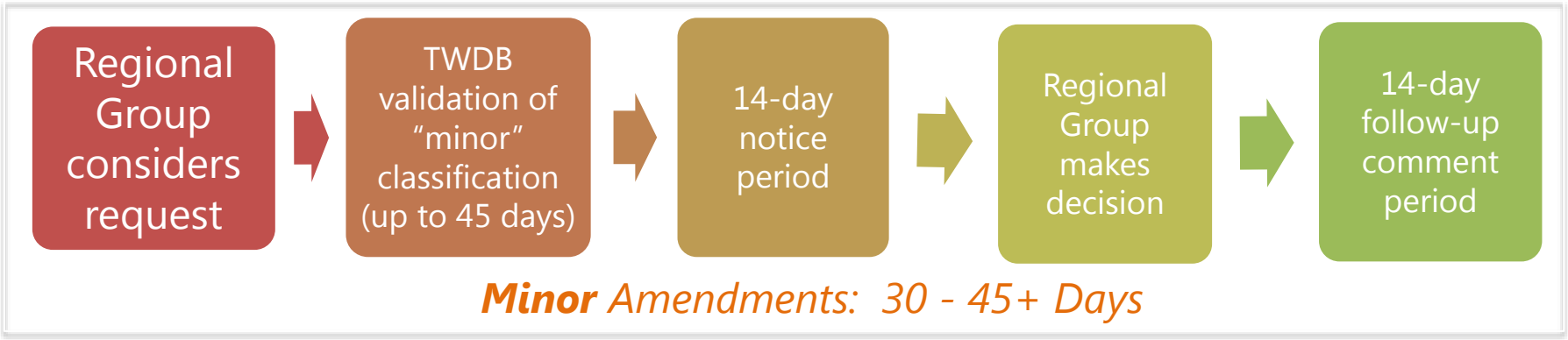
Regional and State plans can both be amended to add strategies and/or capital costs

The process takes time and may involve some additional costs

First step: contact your regional planning group

Regional Amendment Processes

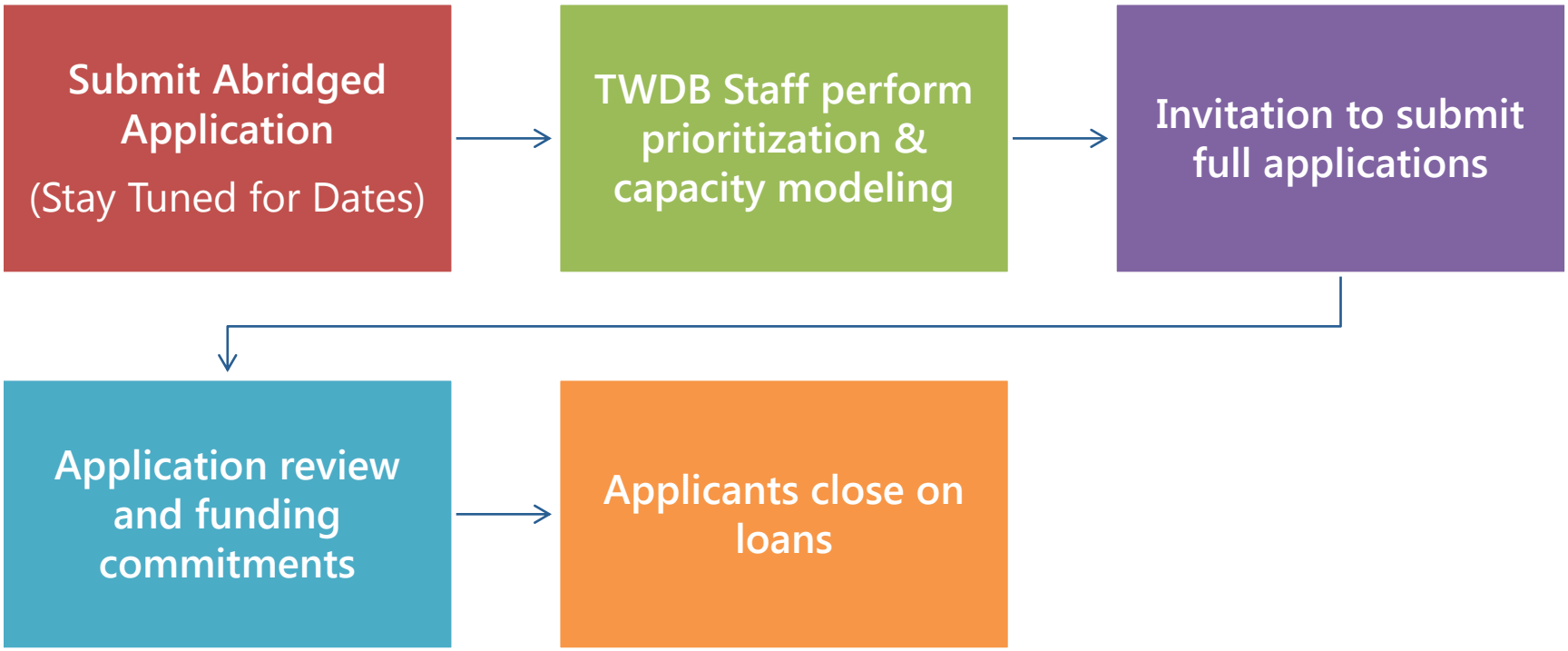




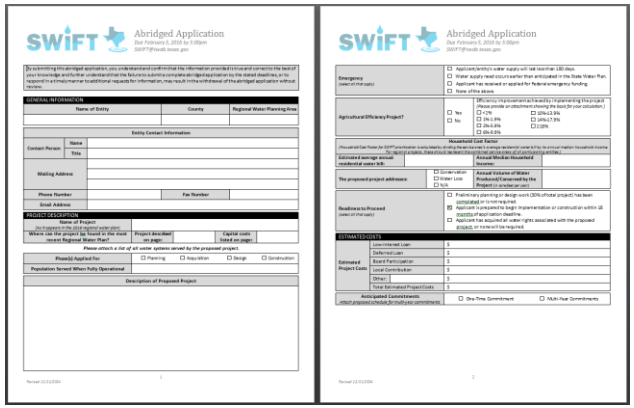
State Water Plan Amendments

The State Water Plan is amended after regional amendments are finalized.

SWIFT Funding Cycle



Abridged Application



Apply Online!

Asks only for the info needed for prioritization (31 TAC §363.1304)

Uses information already developed during the planning process: no new work required

No commitment associated with Abridged Application submittal

Technical assistance available throughout the process

Online Loan Application System

Texas Water Development Board

https://ola.twdb.texas.gov/

Not logged in

LOGIN

TWDB On-line Loan Application Login

Welcome to OLA, the Texas Water Development Board's Online Application. OLA allows entities to submit and manage Project Information Forms and applications for financial assistance from any of the TWDB's funding programs. It is designed to streamline and simplify the application process.

Follow the link for more information regarding the TWDB's funding programs.

The TWDB will continue to accept paper applications. Follow the link if you would prefer to use the paper application.

Username/email tom.entsminger@twdb.texas.gov

Password

Sign In | Forgot/Change Password | Register

Please use the latest version of your browser for best performance. If you experience problems with this application, check your browser settings and adjust if necessary. If you are using IE, be sure Compatibility View mode is turned off.

Prioritization Criteria

Highest Consideration	Max Points
Population served	30
Diverse urban and rural Benefit	30
Regionalization (number of entities served in addition to the applicant)	30
Percentage of water supply needs met by the project	30

"Highest Consideration" Score Capped at 50 Points

+

Additional Criteria	Max Points
Local contribution	5
Financial Capacity	2
Emergency Need	5
Readiness to Proceed	8
Demonstrated or projected conservation	15
Regional planning group priority rank	15

"Additional Criteria" Max Subtotal: 50 Points

Full Application

Texas Water Development Board
P.O. Box 13231, Austin, Texas 78711-3231

APPLICATION FOR FINANCIAL ASSISTANCE

FOR WATER AND WASTEWATER INFRASTRUCTURE PROJECTS

This application is comprehensive, covering all loan and grant assistance applications for water and wastewater infrastructure financing through the various Texas Water Development Board (TWDB) programs. The format of the application is intended to expedite the review process for both the applicant and TWDB staff. This application can be used by political subdivisions, including water supply corporations.

Please submit one double-sided original and one indexed, electronic copy, via electronic storage media such as CD or flash drive using MS Word, Excel and/or Adobe Acrobat.

Please submit your application to:

Texas Water Development Board
Water Supply and Infrastructure-Regional Water Planning and Development
P O Box 13231
1700 N. Congress Avenue, 5th Floor
Austin, Texas 78711-3231
(78701 for courier deliveries)

A complete application consists of all of the applicable information and forms requested in this document. When preparing this application please review the Application and all Guidance and Forms, listed at the end.

For more information, please contact your Regional Project Implementation Team at:

http://www.twdb.texas.gov/financial/programs/swift/regional_project_teams.asp

Thank you.

TWDB Use Only

Name of Applicant: _____

Date application received: _____

Date administratively complete: _____

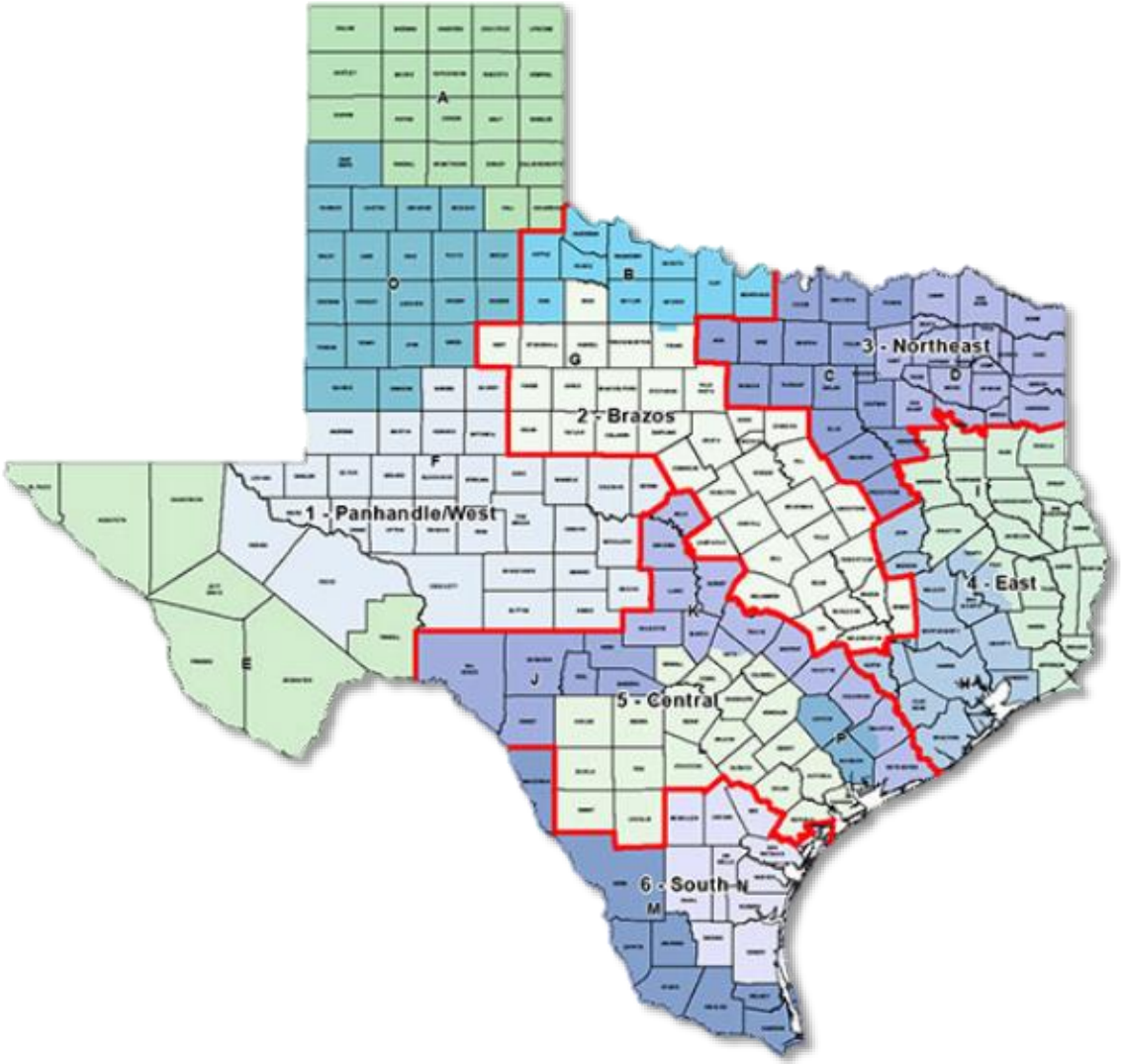
- Contact Information
- Legal
- Financial
- Project Details

Technical Assistance Available!

How to Get Started

CONTACT US!

Team 1 Panhandle/West Regions: A/O/E/F	**Lee Huntoon** (512) 463-6021
Team 2 Brazos Regions: G/B	**Caaren Skrobarczyk** (512) 475-1128
Team 3 Northeast Regions: C/D	**Luis Farias** (512) 475-4816
Team 4 East Regions: H/I	**Nancy Richards** (512) 463-0250
Team 5 Central Regions: J/K/L/P	**Dain Larsen** (512) 463-1618
Team 6 South Regions: M/N	**Mireya Loewe** (512) 475-0590



Conservation at TWDB

Texas Water Development Fund (DFund)	• Offers low interest rates based on TWDB's cost of funds (AAA Bond Rating)
Drinking Water State Revolving Fund (DWSRF)	• Offers subsidization of 125 basis points below borrower's cost of funds, plus partial principal forgiveness
Agricultural Water Conservation Grants/Loans	• Funds projects and research with agricultural conservation benefit

Conservation at TWDB

Regardless of the funding source, applicants requesting $500,000 or more must have active Water Conservation Plans on file

TWDB's Conservation staff provide technical assistance to help systems develop their plans

Other TWDB Resources

Project Financing

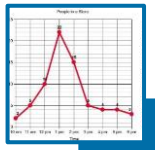
- Water
- Wastewater
- Flood Control
- Nonpoint Source Pollution Control
- Emergency projects

Science

- Groundwater availability
- Environmental flows
- Lake surveys
- Conservation
- Innovative Technologies
- TexMesonet (Weather Data)

Planning

- State Water Plan
- Interface with regional water planning groups
- Water Use Surveys



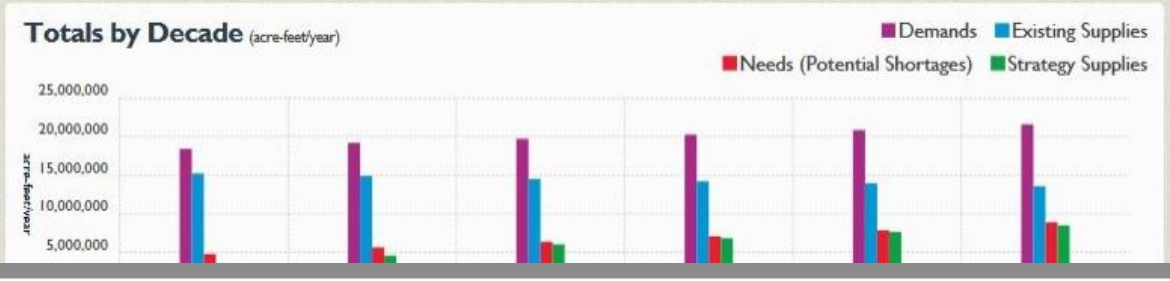
Data

- State's official repository for mapping & GIS data
- Demographics
- Flood data
- Interactive State Water Plan

Development of the state water plan is central to the mission of the Texas Water Development Board. Based on 16 regional water plans, the plan addresses the needs of all water user groups in the state – municipal, irrigation, manufacturing, livestock, mining, and steam-electric power – during a repeat of the drought of record that the state suffered in the 1950s. The regional and state water plans consider a 50-year planning horizon: 2020 through 2070.

This website lets water users statewide take an up-close look at data in the 2017 State Water Plan and how water needs change over time by showing:

- projected water demands,
- existing water supplies,
- the relative severity and projected water needs (potential shortages),
- the water management strategies recommended to address potential shortages, and
- recommended capital projects and their sponsors.



View data for Water User Group | Find Water User Group | GO

HOUSTON

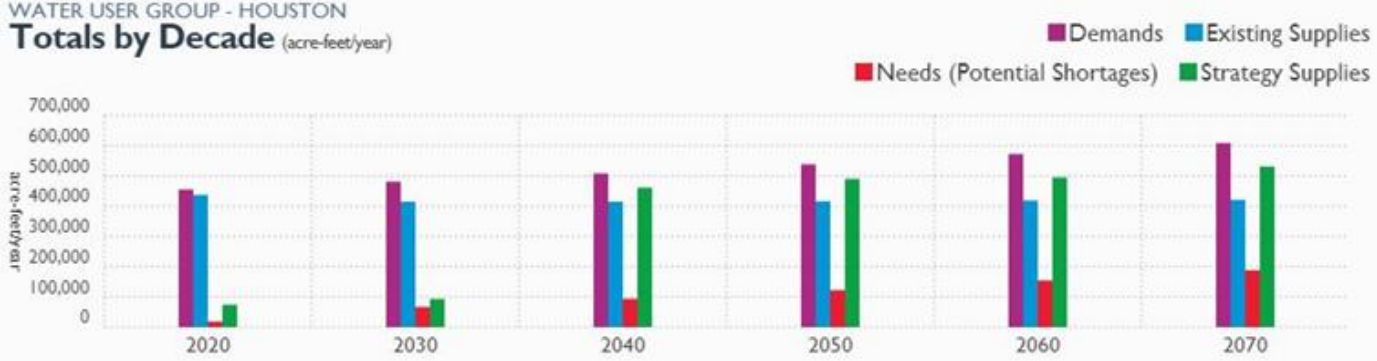
Water User Group in Fort Bend, Harris, and Montgomery

Population

SHOW DATA TABLE

WATER USER GROUP - HOUSTON

Totals by Decade (acre-feet/year)



	2020	2030	2040	2050	2060	2070
Demands	455,481	481,416	508,493	538,710	572,904	609,210
Existing Supplies	437,407	414,950	414,753	416,332	418,768	421,110
Needs (Potential Shortages)	18,191	66,466	93,740	122,378	154,136	188,100
Strategy Supplies	74,170	93,191	461,530	490,421	495,198	531,221

WATER USER GROUP - HOUSTON

Water Management Strategies (acre-feet/year)

Strategy ▲	2020	2030	2040	2050	2060	2070
CITY OF HOUSTON GRP	50,000	55,086	94,897	93,025	96,234	97,932
CITY OF HOUSTON GRP - REGIONAL RETURN FLOWS	0	0	11,384	24,659	10,340	30,154
COH REUSE	0	0	53,015	56,028	62,069	66,849
EAST TEXAS TRANSFER	0	0	250,000	250,000	250,000	250,000
MUNICIPAL CONSERVATION, HOUSTON	3,623	10,913	18,311	25,864	33,578	41,472
OLD GALVESTON ROAD TRANSMISSION IMPROVEMENTS	13,989	13,989	13,989	13,989	13,989	13,989
WATER LOSS REDUCTION, HOUSTON	6,558	13,203	19,934	26,856	28,988	30,825

WATER USER GROUP - HOUSTON

Recommended Projects Serving Area of Interest

Total capital cost of recommended projects: **$3,558,211,296.**

Type to filter by project name

Project ▲	Decade Online	Sponsor	Capital Cost
CITY OF HOUSTON GRP	2020	HOUSTON	$0
CITY OF HOUSTON REUSE	2040	HOUSTON	$78,121,149
CITY OF HOUSTON TREATMENT EXPANSION - PHASE 1	2040	HOUSTON	$183,404,685
CITY OF HOUSTON TREATMENT EXPANSION - PHASE 2	2060	HOUSTON	$105,124,744
COH NORTHEAST WATER PURIFICATION PLANT EXPANSION	2030	WEST HARRIS COUNTY REGIONAL WATER AUTHORITY; CENTRAL HARRIS COUNTY REGIONAL WATER AUTHORITY; HOUSTON; NORTH FORT BEND WATER AUTHORITY; NORTH HARRIS COUNTY REGIONAL WATER AUTHORITY	$1,263,612,418
COH, NHCRWA, AND CHCRWA SHARED TRANSMISSION	2030	CENTRAL HARRIS COUNTY REGIONAL WATER AUTHORITY; HOUSTON; NORTH HARRIS	$150,325,381

Data by Planning Decade and Theme

Decade: 2020 | 2030 | 2040 | 2050 | 2060 | **2070**

Theme: POPULATION | DEMANDS | EXISTING SUPPLIES | NEEDS (POTENTIAL SHORTAGES) | **STRATEGY SUPPLIES**

WATER USER GROUP - HOUSTON

Water User Groups - 2070 - Strategy Supplies (acre-feet/year)

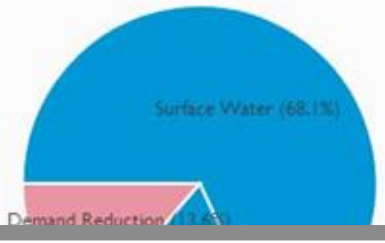
Each water user group is mapped to a single point near its primary location; therefore, an entity with a large or multiple service areas may be displayed outside the specific area being queried.

Red triangles indicate capital projects associated with strategy supplies that have been assigned to a Water User Group. Hide Projects

WATER USER GROUP - HOUSTON

Strategy Supplies Breakdown - 2070 (acre-feet/year)

Share by Water Resource



Share by Strategy Type

Strategy Type	Amount ▼
OTHER SURFACE WATER	68.1% (361,921)
INDIRECT REUSE	18.3% (97,003)
MUNICIPAL CONSERVATION	13.6% (72,297)

Monthly Workshops

- Meet your Regional Team
- Learn about TWDB financing
- *Make real progress!*

Sugar Land – April 10

Pleasanton – May 8

Beeville – June 5

Thanks!

Tom Entsminger

TWDB State Programs Coordinator

(512) 936-0802

Tom.Entsminger@twdb.texas.gov