

# Making the Case for Investment in Water

November 2023



1935 Flood, Downtown Austin, Texas

**Jeff Walker**

Executive Administrator

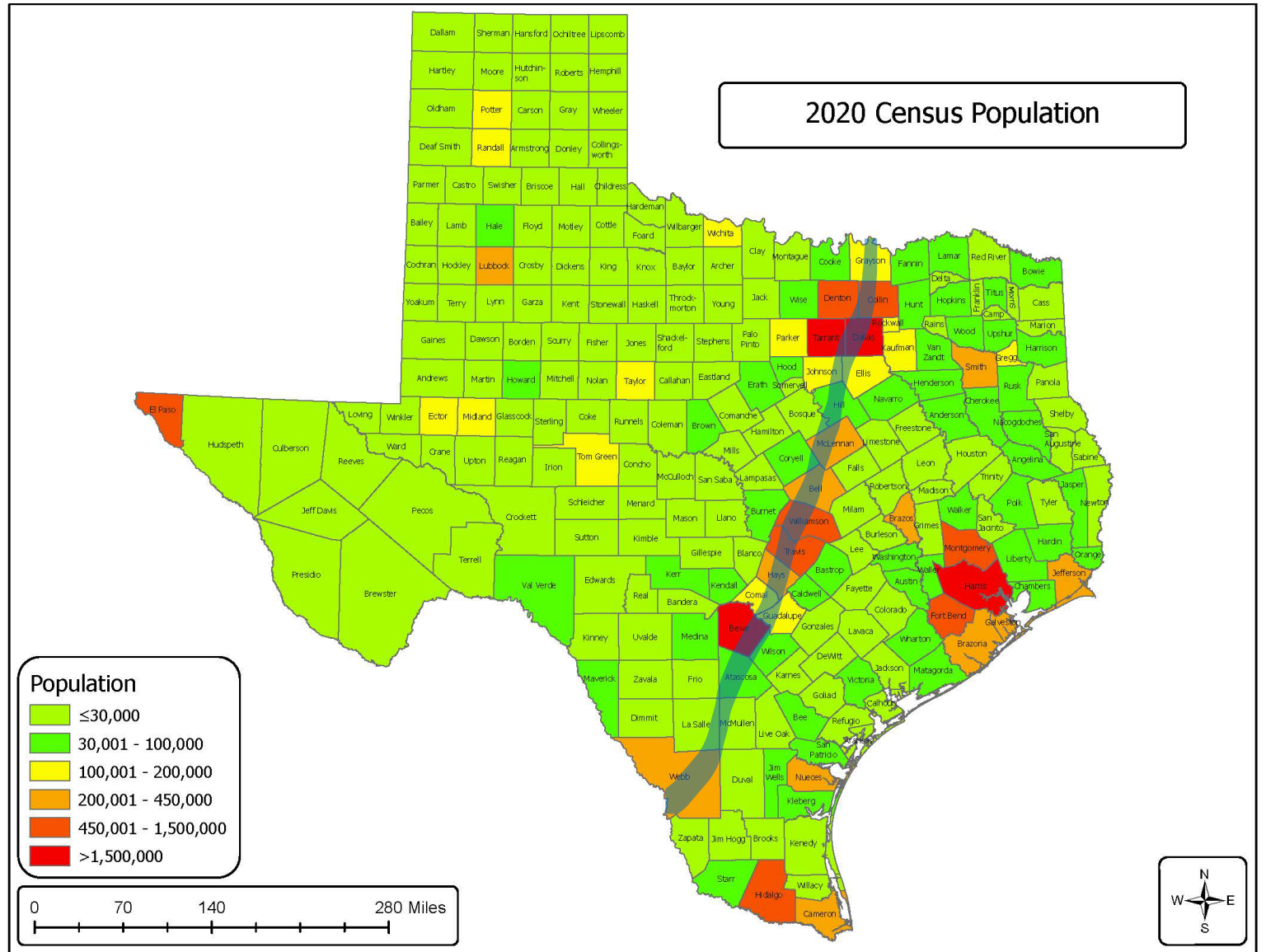
[Jeff.Walker@twdb.texas.gov](mailto:Jeff.Walker@twdb.texas.gov)

# Three Primary Funding Needs

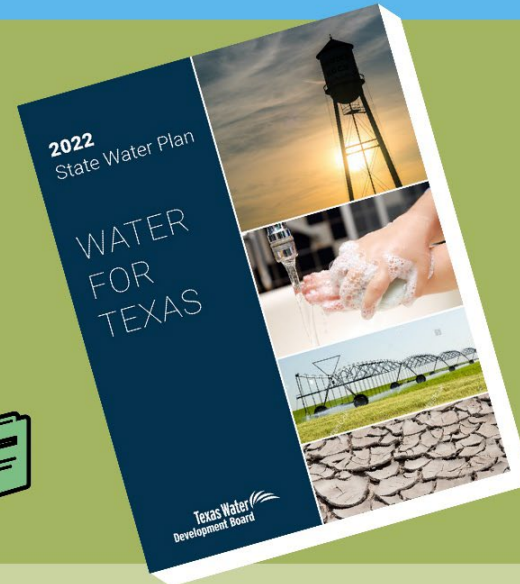
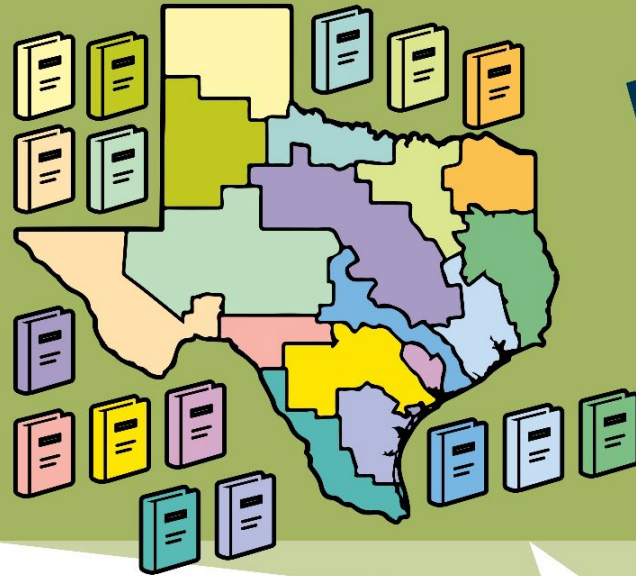
- Future Water Supply
- Flood Mitigation
- Water and Wastewater Infrastructure



# 2020 Census Population



# 16 Regional Water Plans = 1 State Water Plan!



over  
**19,500** pages

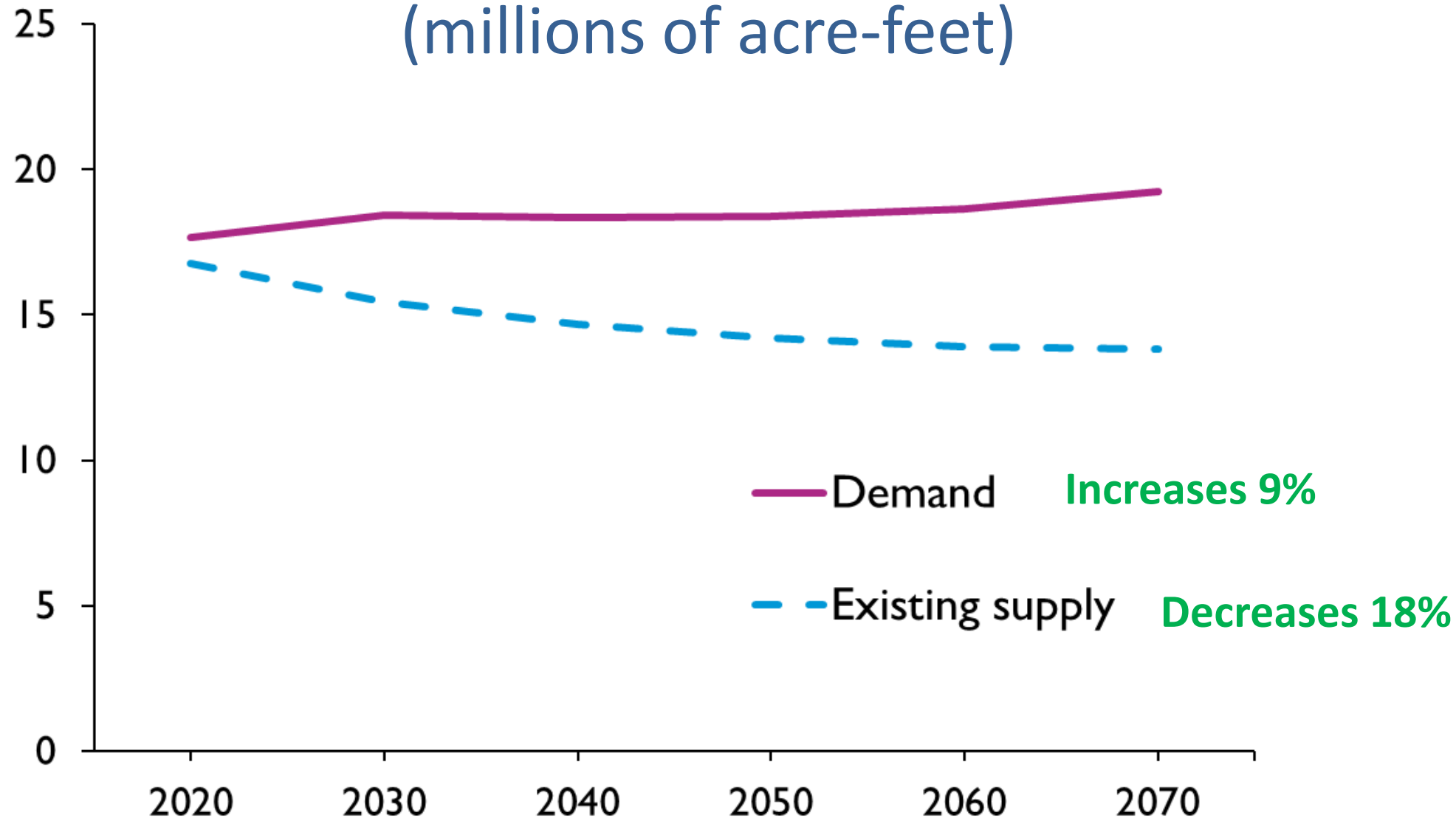
condensed into  
**203** pages

[texasstatewaterplan.org](http://texasstatewaterplan.org)

**Texas Water**  
Development Board

# Projected Water Demand vs Existing Water Supplies

(millions of acre-feet)



# Cost to Implement the 2022 State Water Plan

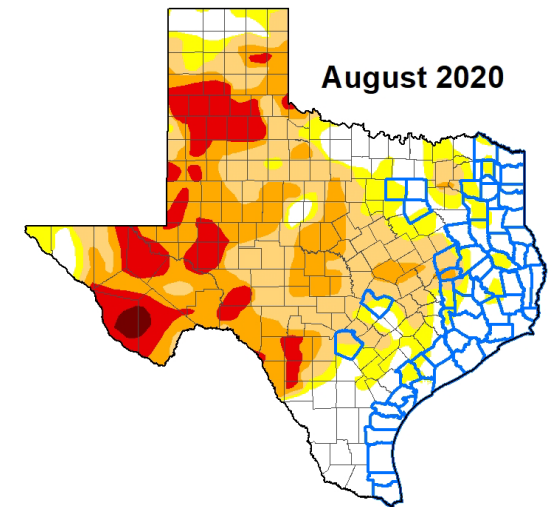
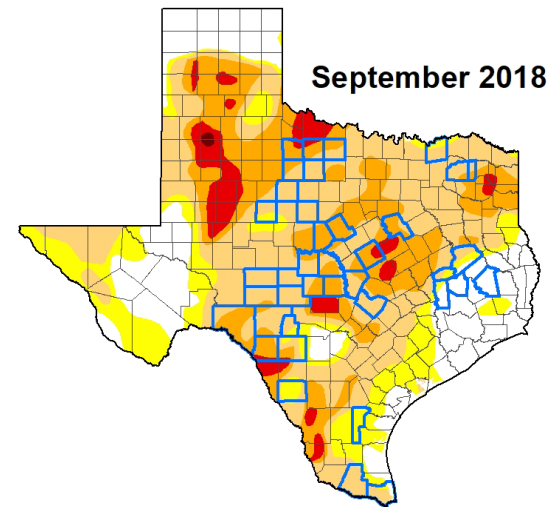
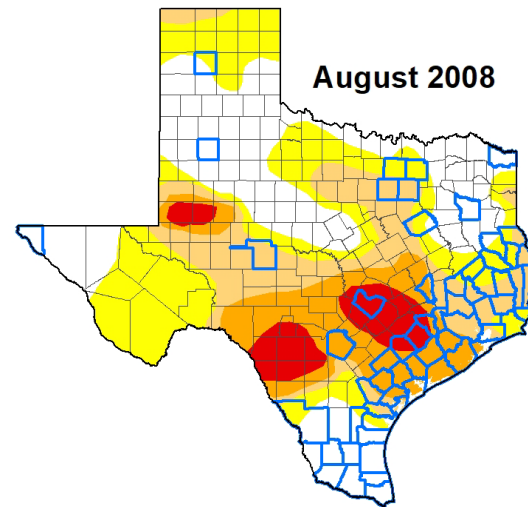
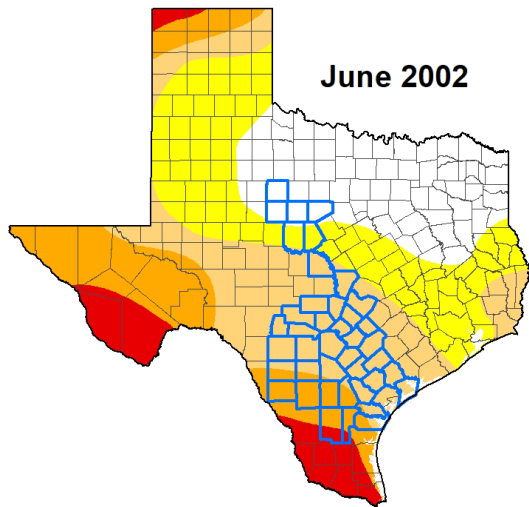


**2,400** projects



Capital cost of **\$80** billion

# Drought and Flood Simultaneously



# 2024 State Flood Plan

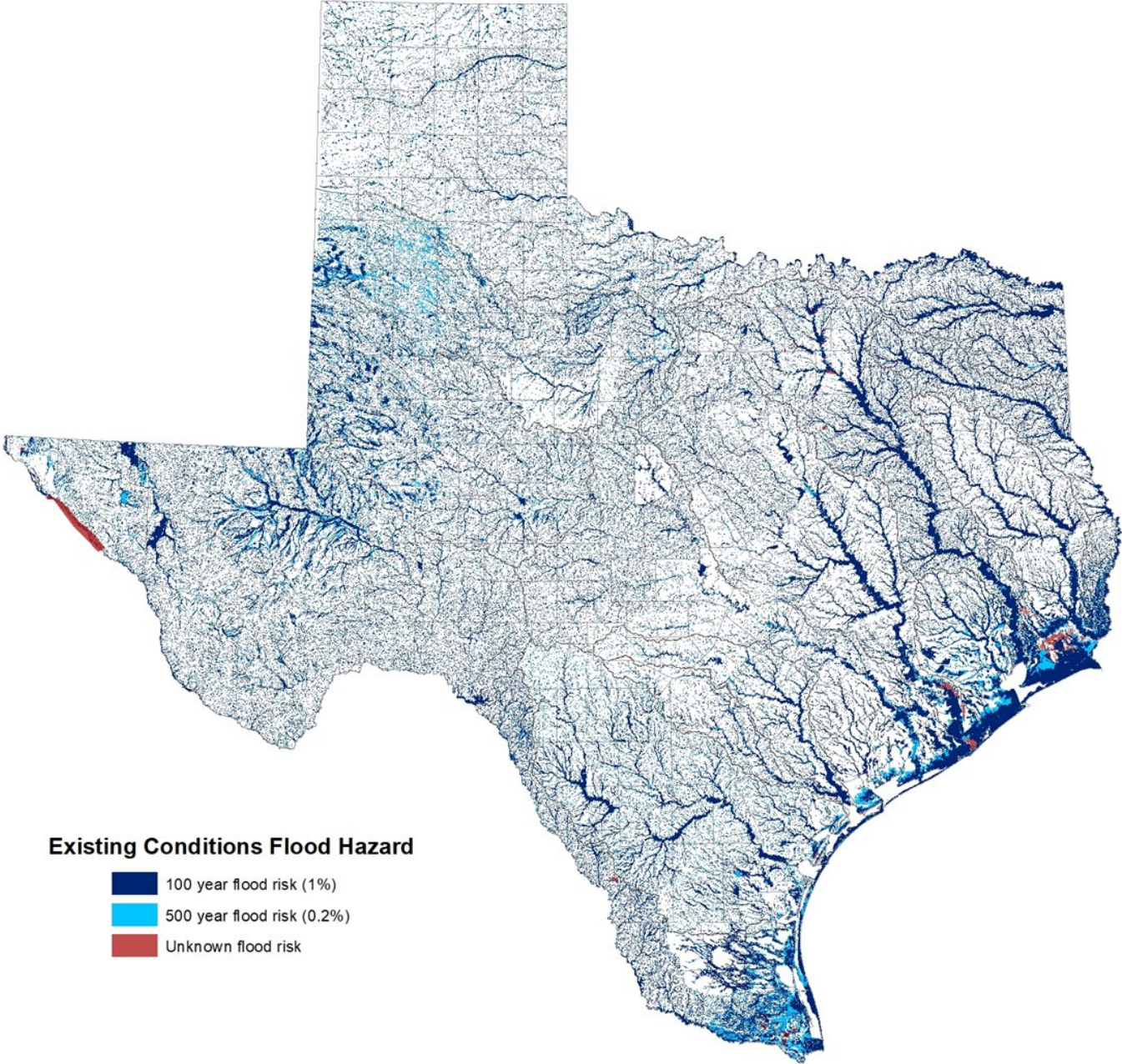


**Texas Water**  
Development Board





# Existing Condition Flood Hazard



Existing Conditions Flood Hazard

- 100 year flood risk (1%)
- 500 year flood risk (0.2%)
- Unknown flood risk

# Potential Cost of Recommended Flood Management Evaluations (FME), Flood Mitigation Projects (FMP), and Flood Management Strategies (FMS) by Flood Planning Region

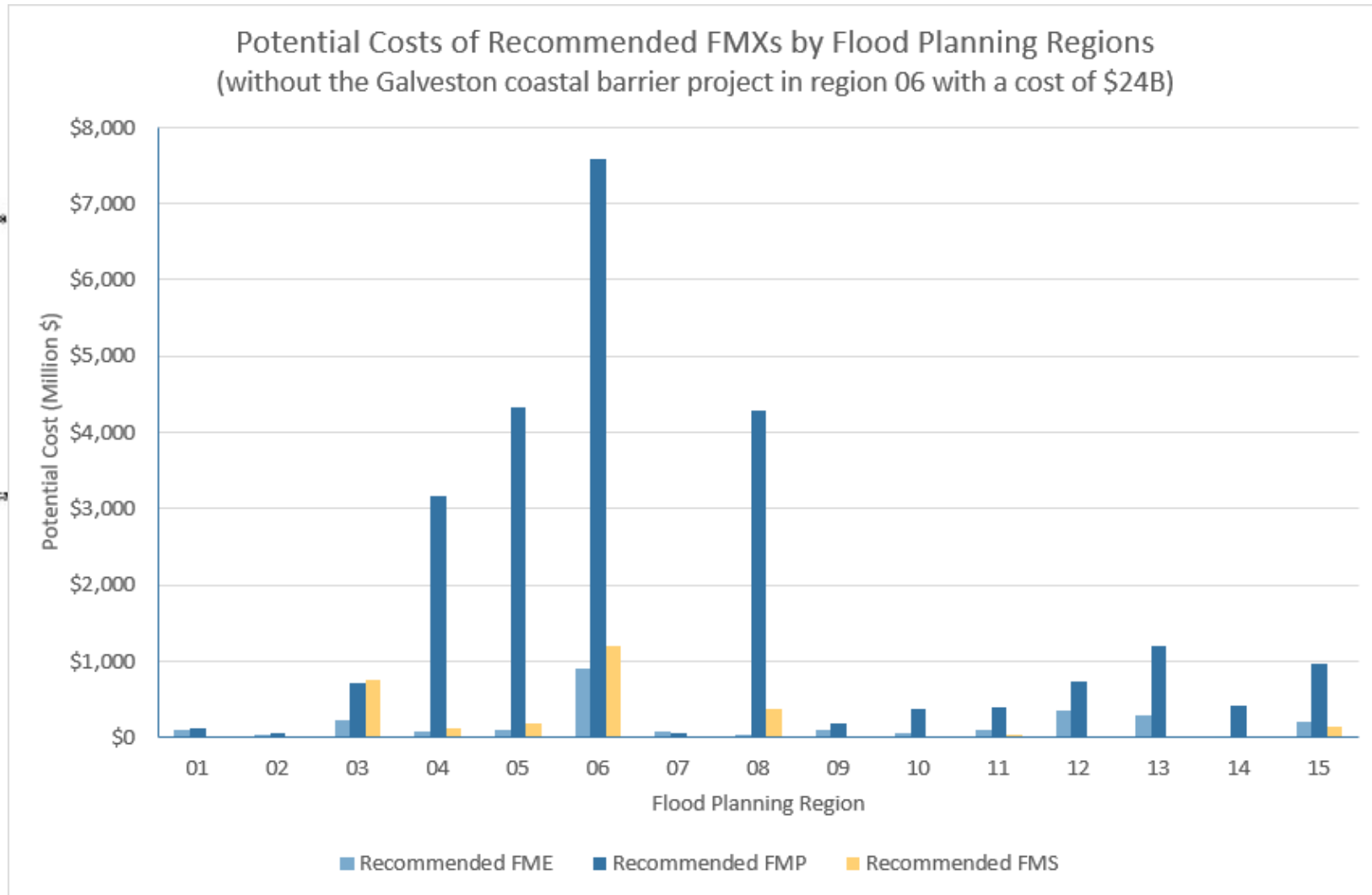


> 2.6 B  
(FME)

> 47.8 B  
(FMP)

> 309 M  
(FMS)

\* Data submitted by Regional Flood Planning Groups on 01/10/2023 subject to change\*  
\* THESE NUMBERS ARE CURRENTLY UNDER REVIEW\*



\*FMX is an abbreviation for FME, FMS, and FMP

# Repair and Replace is Lagging



# Our Water Infrastructure is Deteriorating



## STATE INFRASTRUCTURE GRADES

**C-** Water  
Infrastructure

**D** Wastewater  
Infrastructure

Source: American Society of Civil Engineers



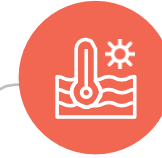
## PIPE LEAKS

**572,000**

**Acre feet**

of water lost annually  
due to leaky pipes  
across Texas.

Source: Texas Living Waters Project



## BOIL WATER NOTICES

**2,200**

**Average**

Boil water  
notices per year  
since 2018.

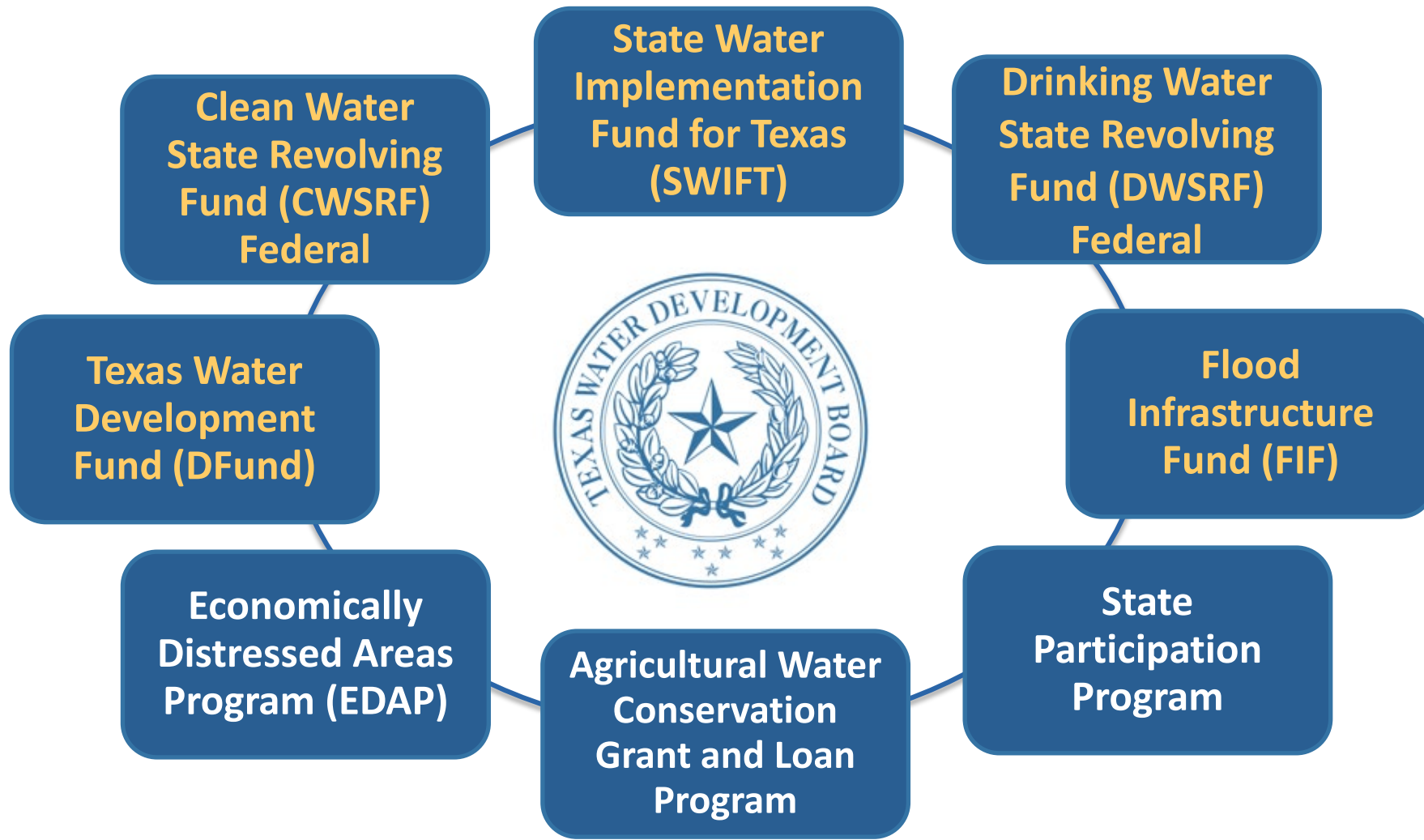
Source: Texas Commission  
on Environmental Quality



# TWDB Financial Assistance Programs for Water Needs



# Financial Assistance Programs

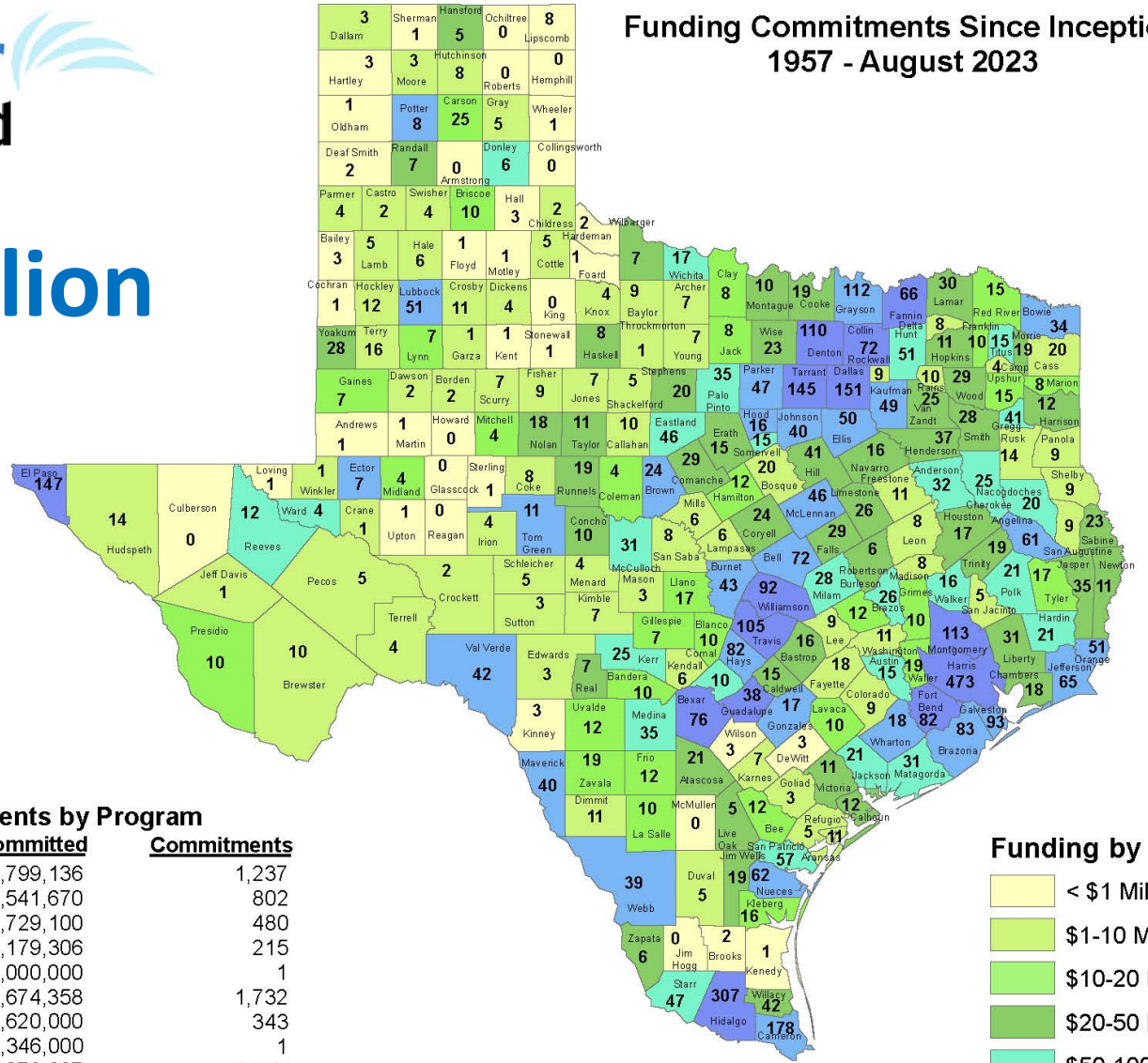




**\$33.6 Billion**

# TWDB Funding Commitments

**Funding Commitments Since Inception  
1957 - August 2023**



**Funding and Commitments by Program**

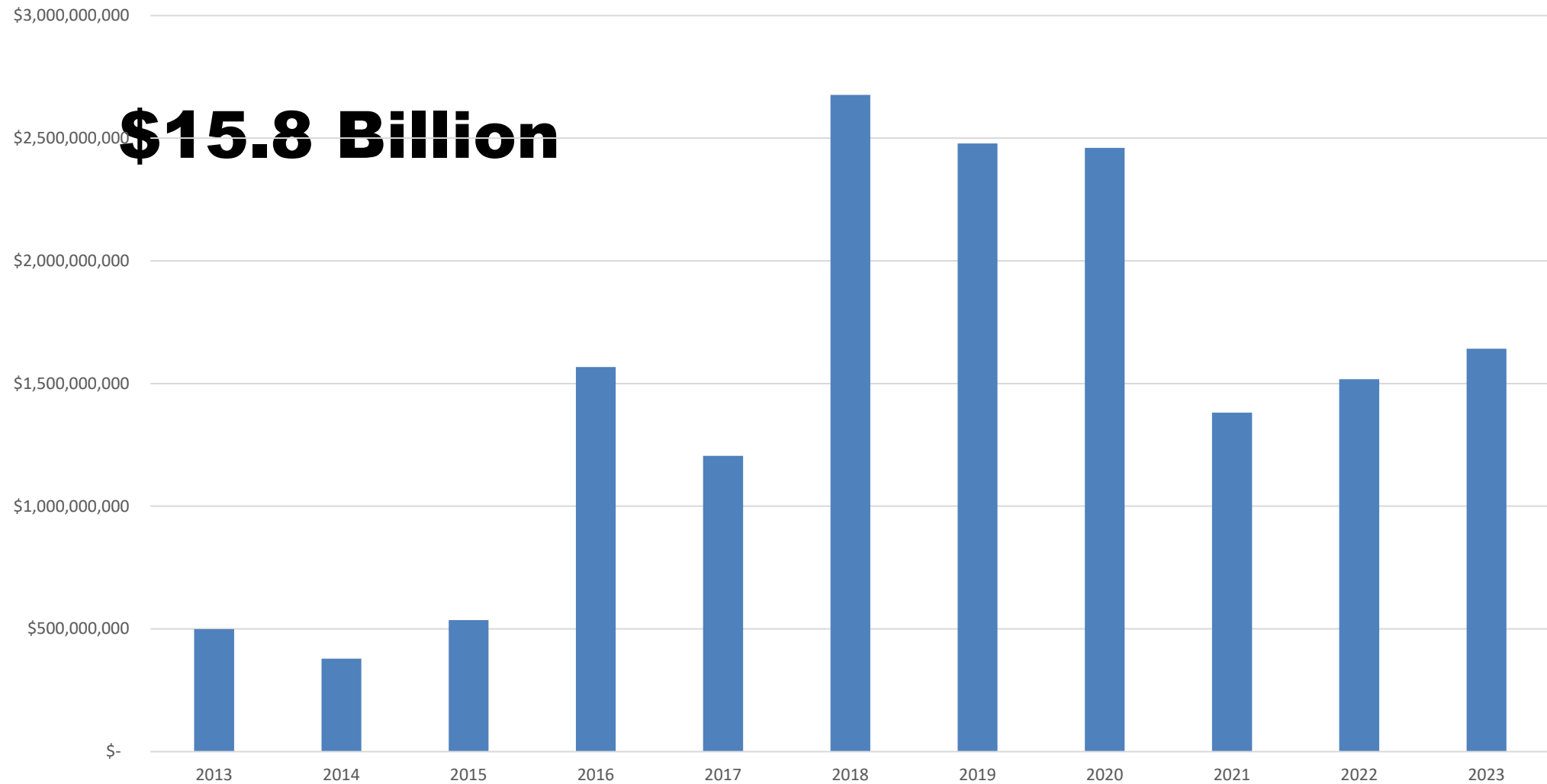
<u>Program</u>	<u>Amount Committed</u>	<u>Commitments</u>
CWSRF	\$ 11,366,799,136	1,237
DWSRF	3,717,541,670	802
EDAP	998,729,100	480
FIF	551,179,306	215
FLOOD	30,000,000	1
STATE	5,441,674,358	1,732
SWIFT	11,467,620,000	343
WIIN	3,346,000	1
Historical Federal Program	1,879,279,687	1,075
<b>Total</b>	<b>\$35,456,169,257</b>	<b>5,886</b>

**Funding by County**



Notes: The Amount Committed and the number of Commitments represent the total amount and number of initial commitments made since the Agency's inception. These amounts have not been reduced for any projects that did not close on the TWDB's financial assistance. The Historical Federal Program referenced was the Construction Grant Program, a federal grant program created to fund wastewater projects prior to the CWSRF.

# Total Funding Last Decade





# State Water Implementation Fund for Texas SWIFT

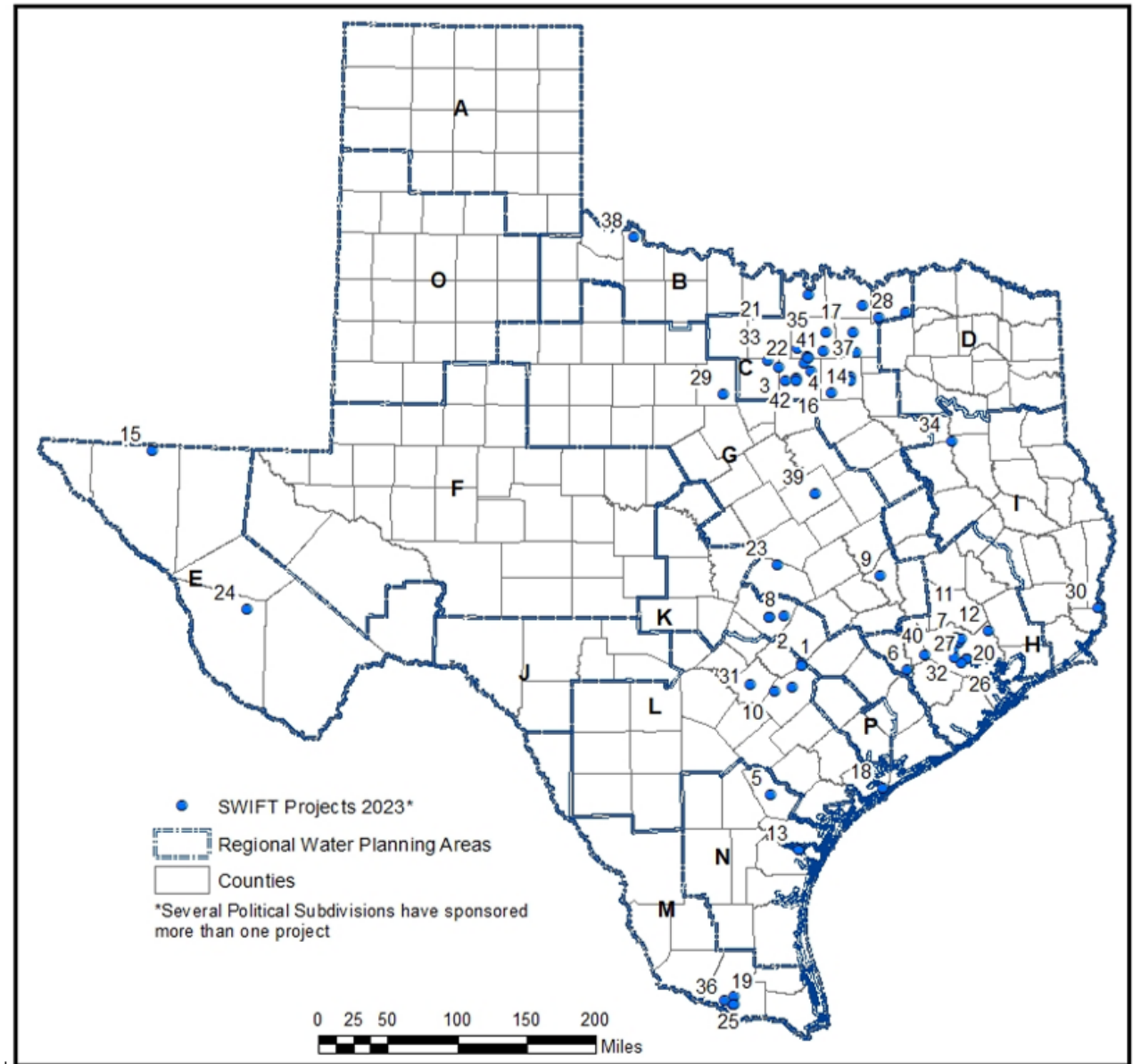
- \$2 billion deposit
- State Water Plan Requirement
- Flexible financing options:
  - Low interest loans
  - Deferred loans
  - Board participation
  - Multi-year commitments

# SWIFT Commitments

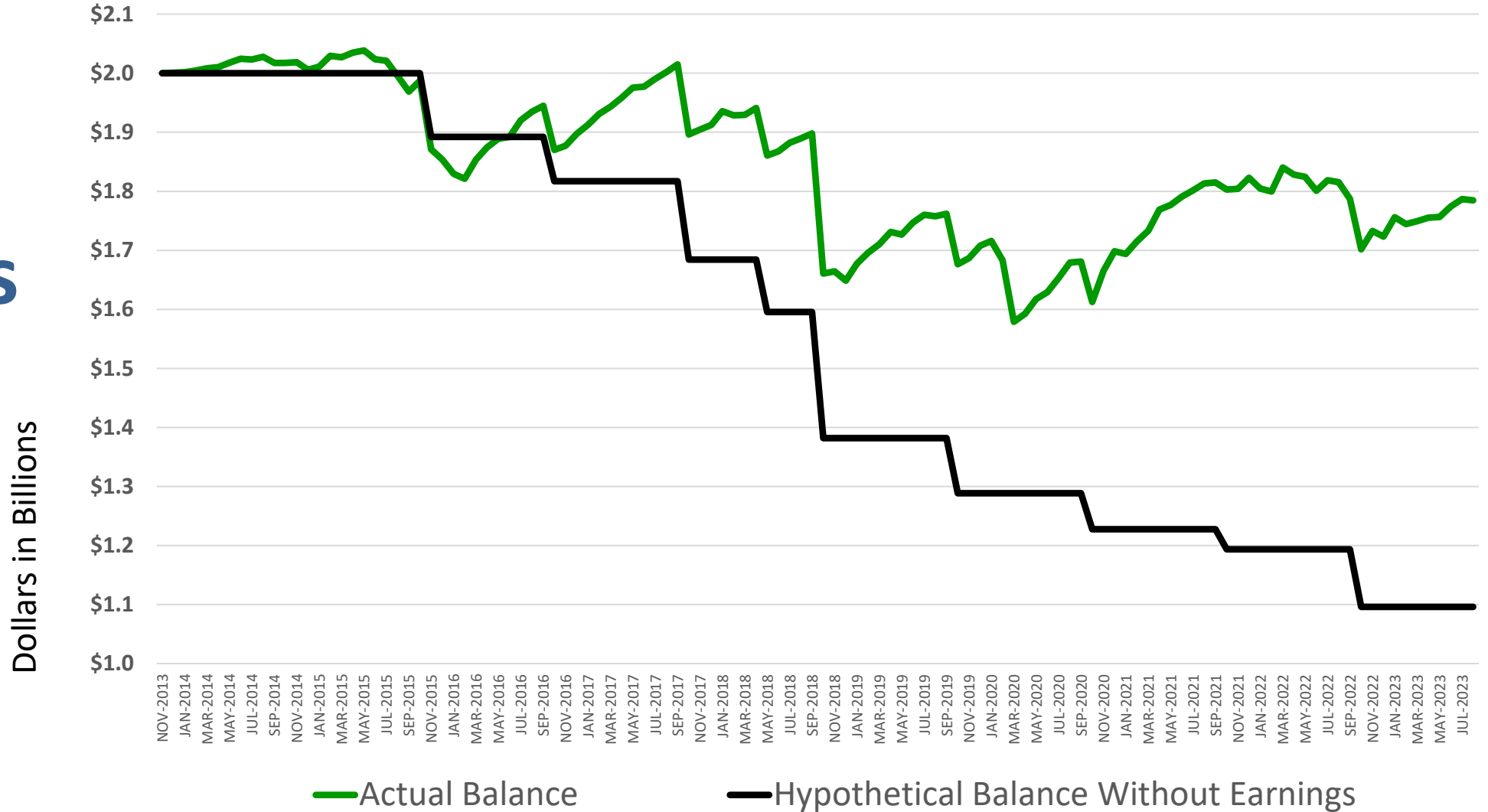
**\$11.5 Billion**

**1.7 million ac.ft.**

Key	Political Subdivision
1	Alliance Regional Water Authority
2	Austin
3	Azle
4	Bedford
5	Beeville
6	Brazos River Authority
7	Brazosport WA
8	Brushy Creek Regional UA
9	Bryan
10	Canyon Regional WA
11	Central Harris Co Regional WA
12	Coastal Water Authority
13	Corpus Christi
14	Dallas
15	El Paso Water
16	Fort Worth
17	Greater Texoma UA
18	Guadalupe Blanco RA
19	Hidalgo Co ID # 1
20	Houston
21	Justin
22	Keller
23	Lone Star Regional WA
24	Marfa
25	McAllen
26	North Fort Bend WA
27	North Harris Co Regional WA
28	North Texas MWD
29	Palo Pinto Co MWD # 1
30	Sabine River Authority
31	Schertz Seguin LGC
32	Spring Valley Village
33	Springtown
34	Tarrant Regional WD
35	Trophy Club MUD # 1
36	United Irrigation District
37	Upper Trinity Regional WD
38	Vernon
39	Waco
40	West Harris Co Regional WA
41	Westlake
42	White Settlement



# SWIFT Fund Balances



As of August 31, 2023  
Source: TTSTC

# Flood Infrastructure Fund

## Four Categories

- Watershed studies
  - Infrastructure projects
  - Federal match
  - Protection of life and property
  - • \$770 M available for projects
- 
- Initial list – 285 projects - ~ \$3 billion projects

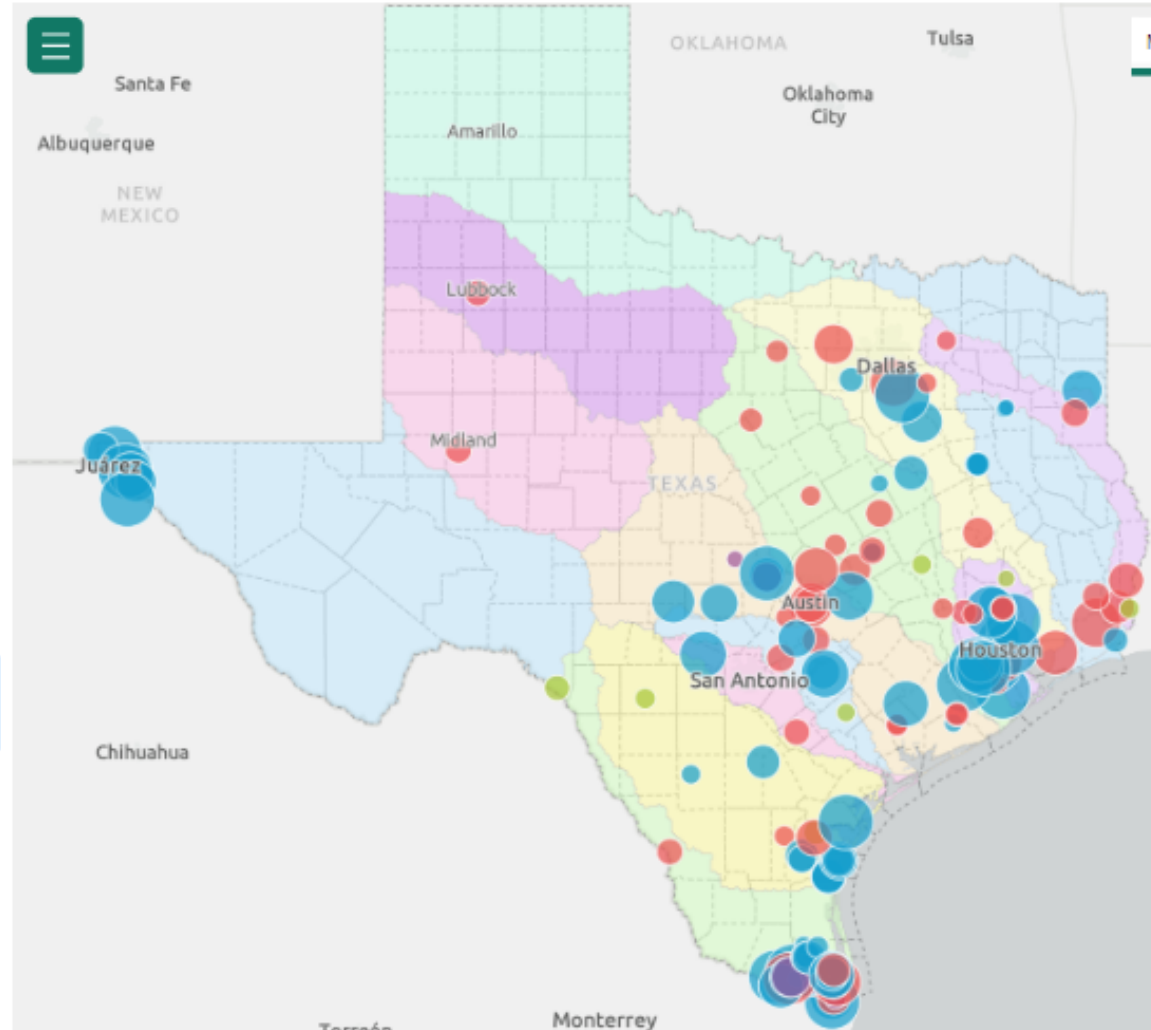
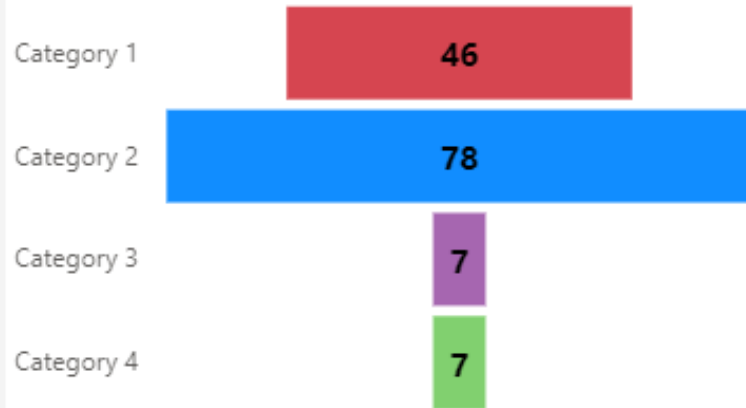


# Flood Infrastructure Fund Committed Projects

**Active and Completed  
Project Commitments**

**138**

**Committed Amount  
\$513,982,627**

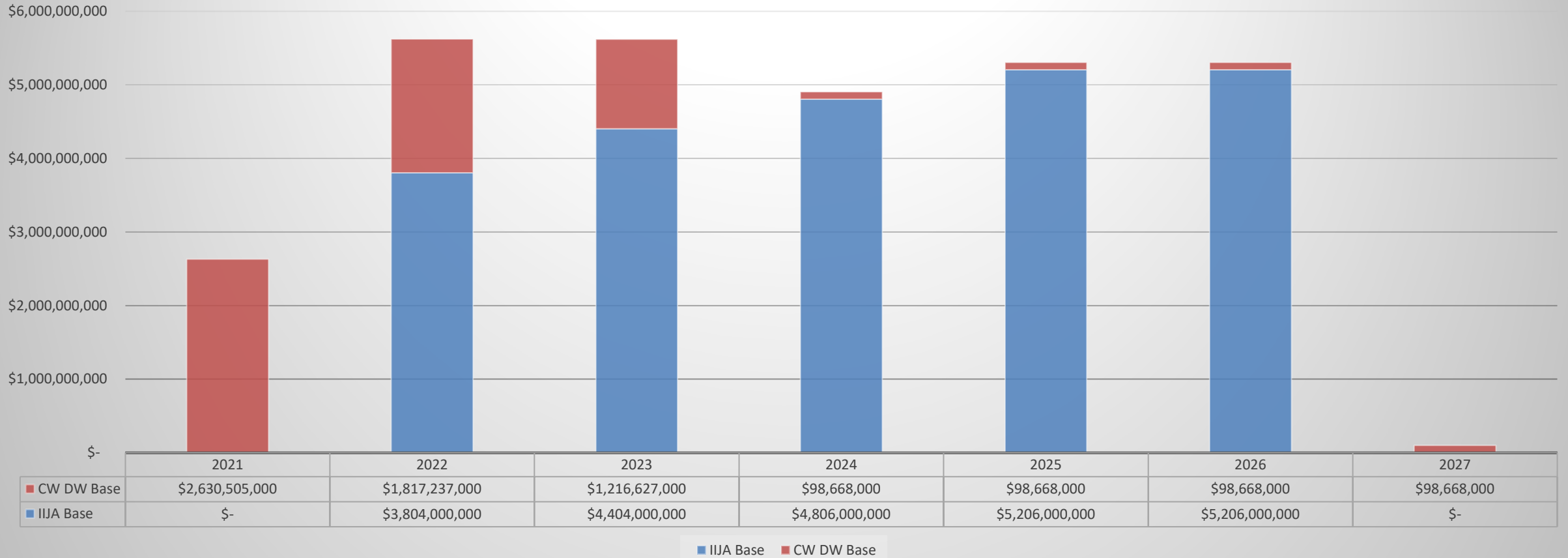


# State Revolving Funds (SRF)

- Clean Water (1987) and Drinking Water (1996)
- Base-level Capitalization Grants
  - Avg \$2.6B Clean Water and Drinking Water (2001-21)
- Infrastructure and Investment Jobs Act (2021)
  - aka BIL (Bipartisan Infrastructure Act)
  - Avg. \$4.5B CW and DW (2022-2026)
- Unprecedented Investment of \$7B annually (Or is it?)

# Re-directing the Funds

Total National Funding



# Earmarks

## Texas: Annual Federal Funding for Drinking Water Projects

### Total Federal Funding for Drinking Water Projects Cut by \$58 Million

■ Funding for State SRF Projects   ■ Funding for Earmarks



#### MYTH:

Funding for earmarks makes up for funding cuts to the SRFs.

#### FACT:

Since earmarks returned in 2021, total funding for drinking water projects in Texas (SRF funding plus earmarks) has been cut by more than \$58 million.

Note: The 2023 SRF allotment is an estimate based on the 2018-2022 allotment formula. A new allotment formula will be adopted for 2023-2026.



# Support Letters to Congress - Earmarks

*"We ask you to reconsider the approach of funding Community Project Funding/Congressionally Directed Spending out of the SRFs and encourage you to preserve the revolving nature of the fund so that states can continue to assist localities in maintaining their water infrastructure in this cost-effective manner"*

Governors letter to Congress (Sept 14, 2023)

# Support Letters to Congress - Earmarks

*“Without the full allotment of SRF money to the TWDB, projects will go undone. The application process is historically overprescribed leaving communities waiting for the next round. In the last three years, communities have requested 7-8 times more in funding than is annually made available. With earmarks pulling from the state’s expected funding, more projects will go unfunded.”*

Letter to Senate and House Appropriations Chairs. (August 9, 2023)

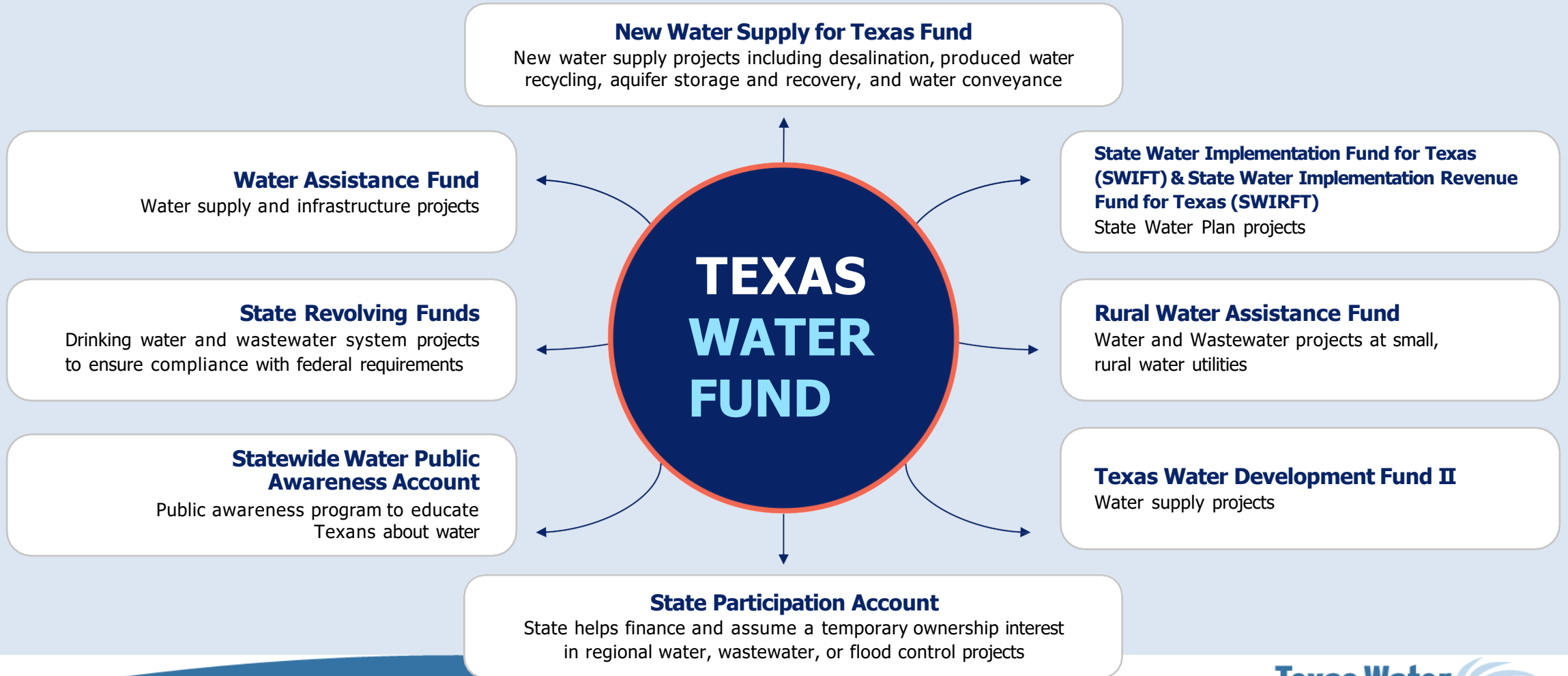
*Signed by ALL Texas Senators*

# TEXAS WATER FUND

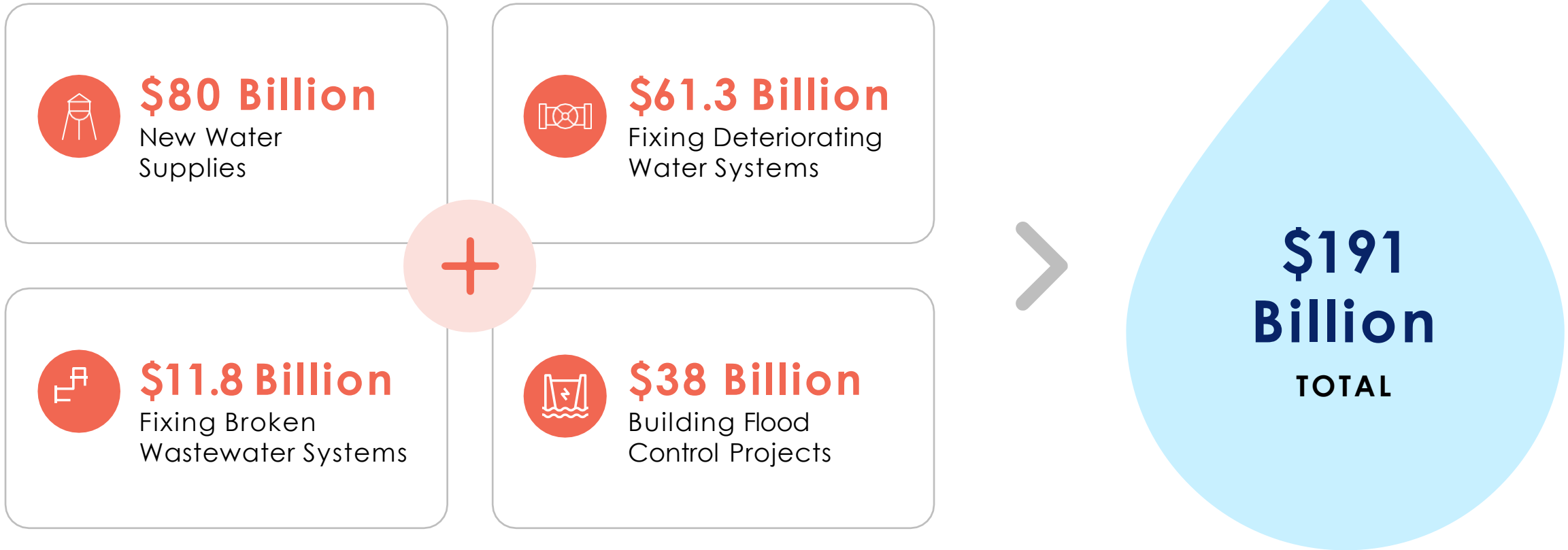
## New Funds for Texas

- Constitutional amendment - recent voter approval
- Invest \$1 B in new funding programs managed by the Texas Water Development Board
  - Texas Water Fund (\$750 M) - funnel new dollars to existing state programs
  - New Water Supply for Texas Fund (\$250 M) - to develop or acquire new water

# Texas Water Fund



# Our Water Challenges Require Investment



# Questions, Comments?

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