

Texas Water Development Board

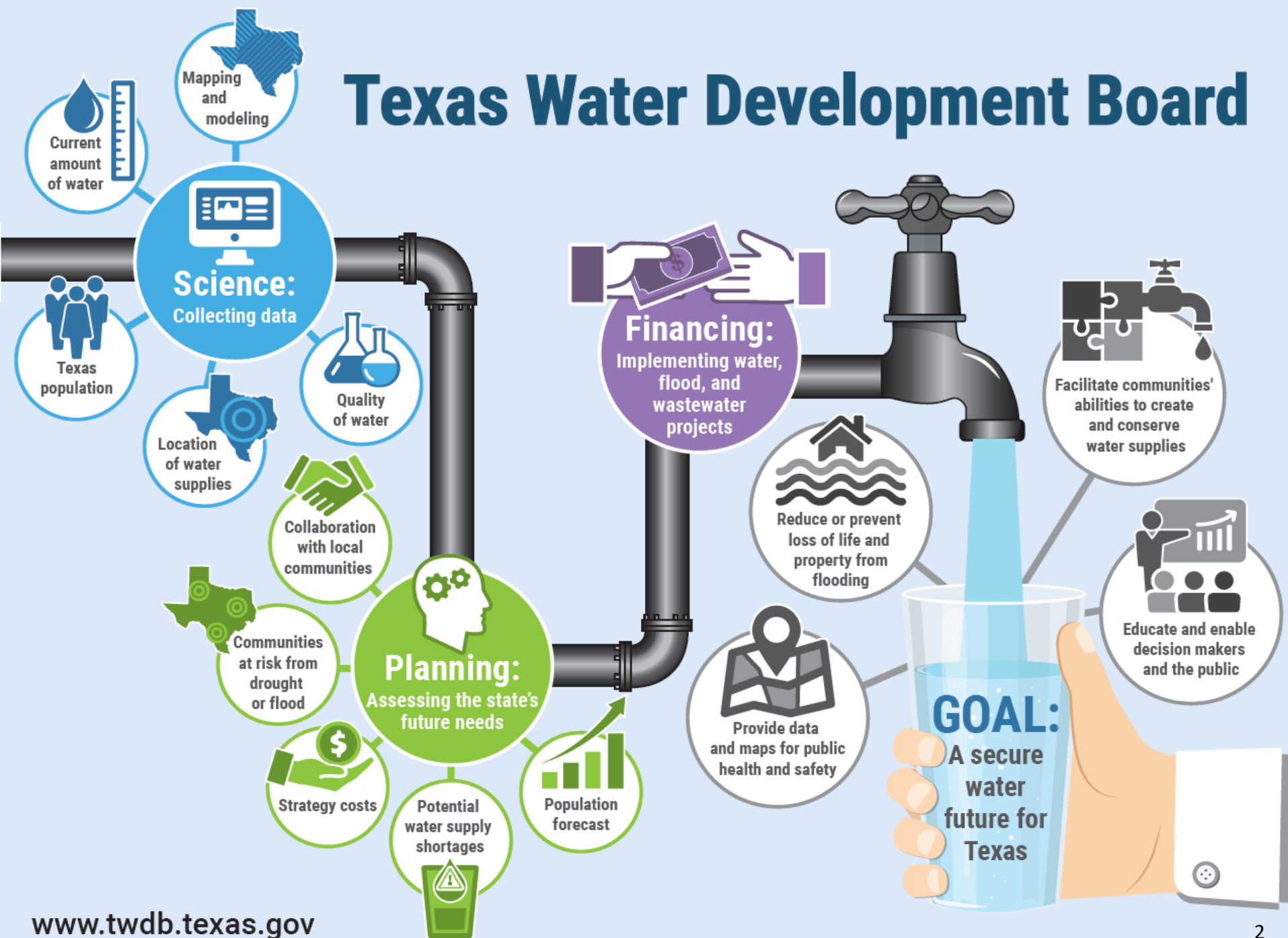
Leading state efforts to ensure
a secure water future for Texas

L'Oreal Stepney, P.E.

35th Annual Texas Environmental Superconference

August 3, 2023

Texas Water Development Board



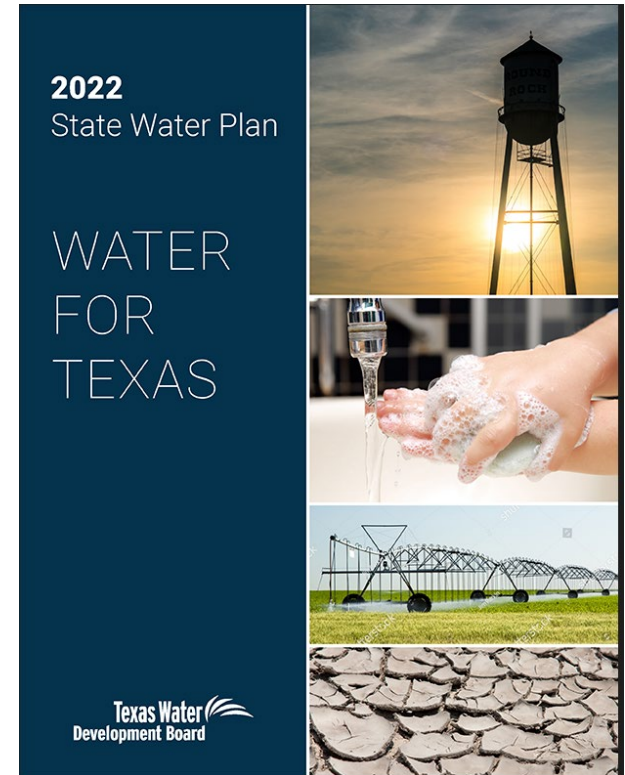
State Water Plan

Origin

- Severe drought in mid-1990s
- Senate Bill 1 in 1997
- Involvement of project sponsors
- Regional planning rolled up to State Water Plan

Purpose

- Provide for the orderly development, management, and conservation of water resources
- **Prepare for and respond to drought conditions**



Snapshot of the 2022 State Water Plan

Potential shortage of 6.9 million acre-feet in 2070
in a drought of record



5,800 strategies = 7.7 million
acre-feet in 2070

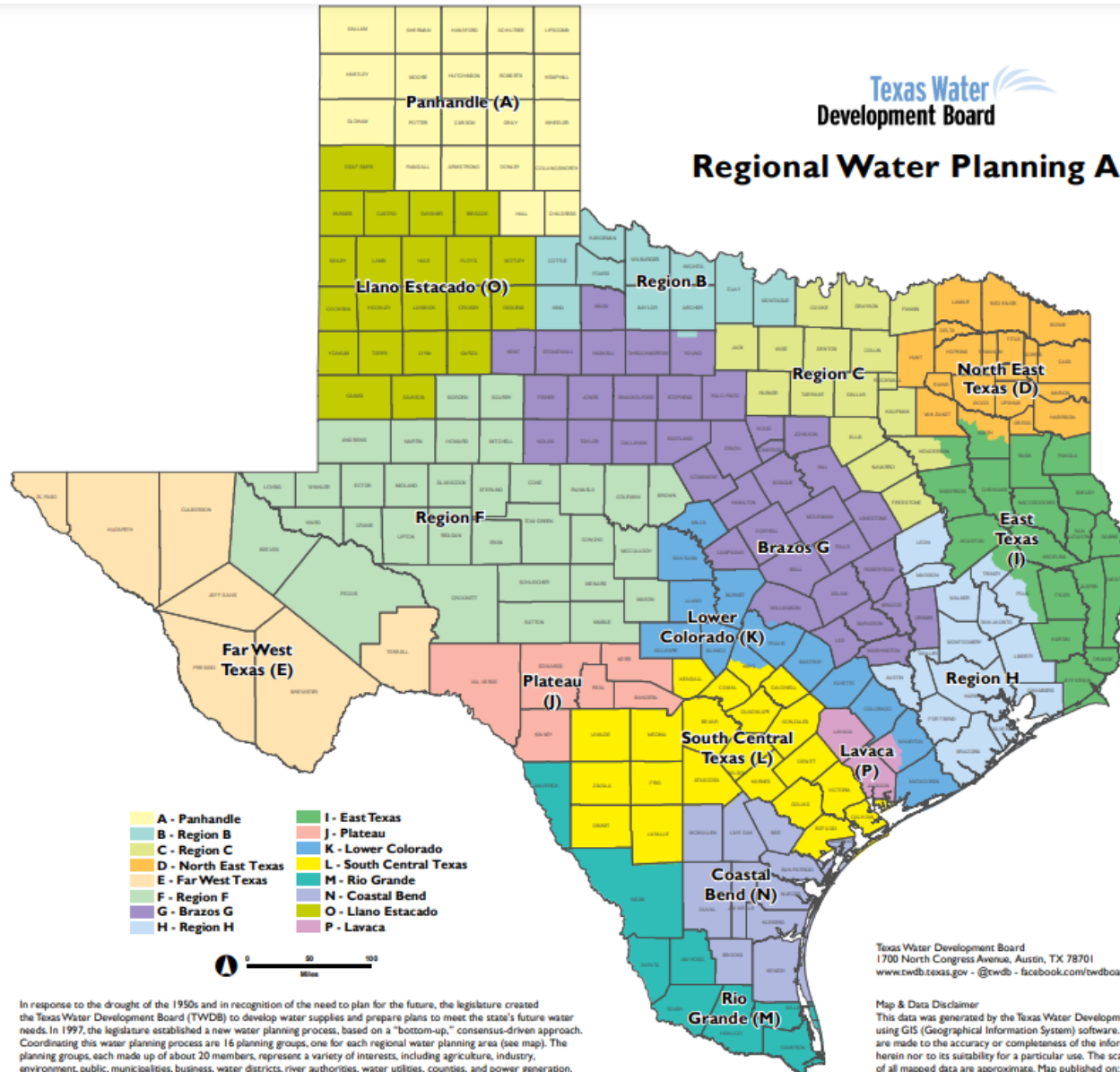


2,400 projects



Capital cost of **\$80** billion

Regional Water Planning Areas





Municipal



Irrigation



Livestock



Mining



Manufacturing



Steam
Electric

Planning in a nutshell



What can we
do to get
more water?



How much
will it cost?

Regional Planning for Drought

Drought of record

Drought response triggers

Plans for water supplier responses

Potential alternative sources of municipal supply

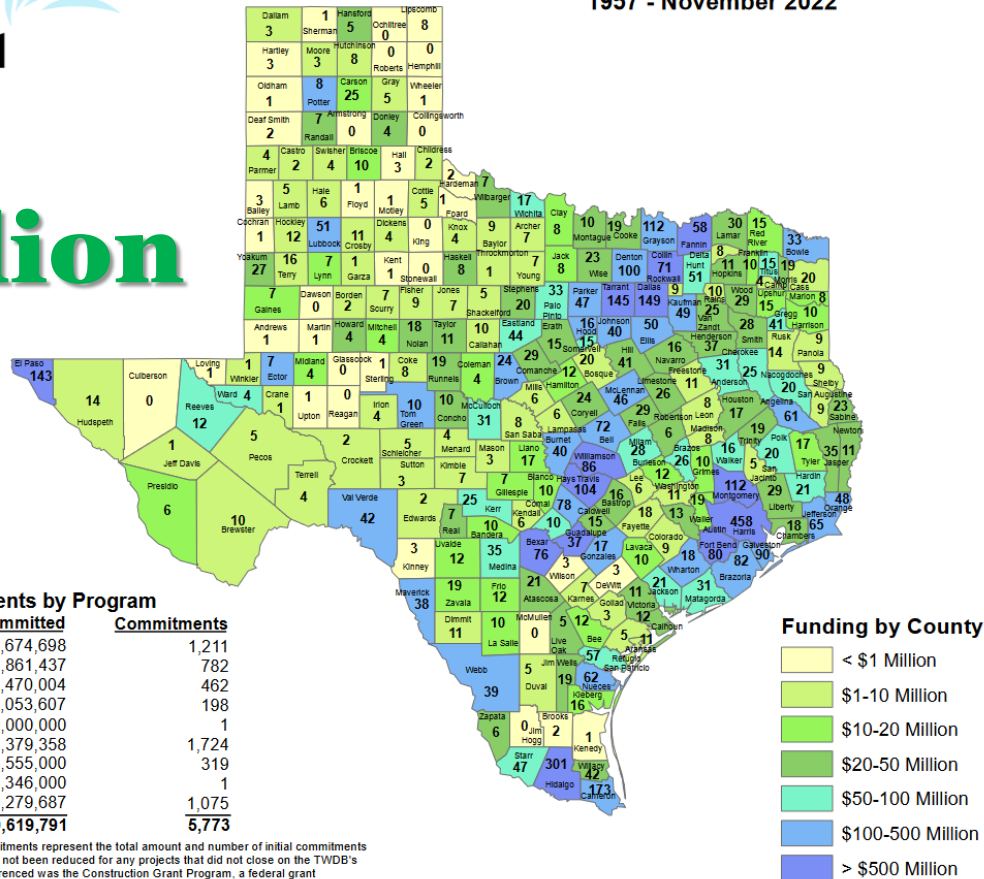
Drought contingency plans

TWDB Commitments



Funding Commitments Since Inception
1957 - November 2022

\$33.5 Billion



Funding and Commitments by Program

Program	Amount Committed	Commitments
CWSRF	\$11,238,674,698	1,211
DWSRF	3,652,861,437	782
EDAP	912,470,004	462
FIF	462,053,607	198
FLOOD	30,000,000	1
STATE	5,418,379,358	1,724
SWIFT	9,923,555,000	319
WIIN	3,346,000	1
Historical Federal Program	1,879,279,687	1,075
Total	\$33,520,619,791	5,773

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.



Financial Assistance Programs



**100% Loan or
Loan w/ Principal
Forgiveness (federal)**

**100% Loan or
Loan & Grant (state)**

**Planning, Acquisition,
Design, Construction**

Program Funding Cycles

Eligible Project Examples

Specific to Each Funding Program

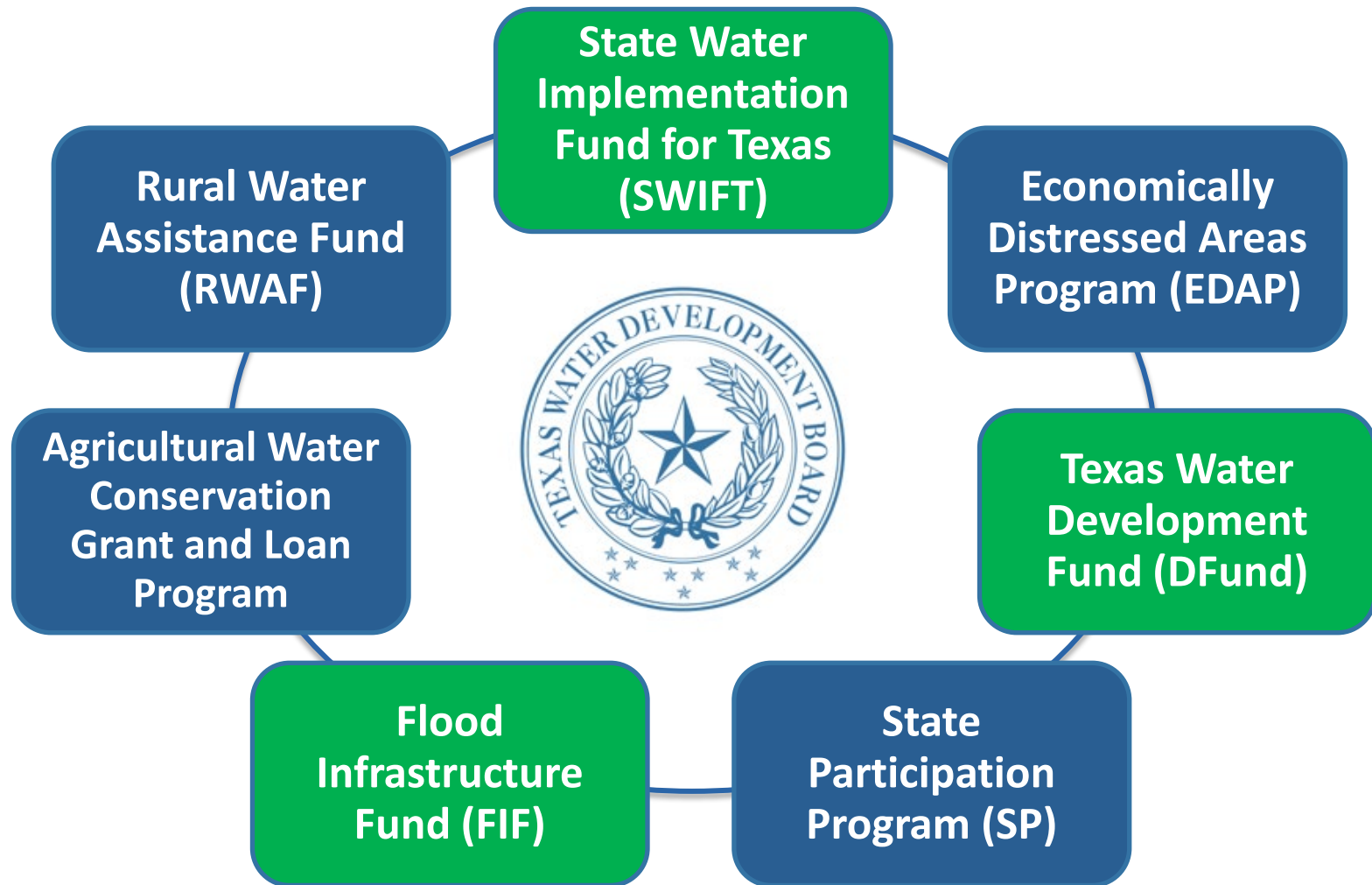
- Current water needs
- Future water needs
- Desalination
- Reservoirs
- Conservation projects
- Drinking Water
- Non-Point Source Pollution
- Potable Reuse
- Wastewater
- Flood Control
- Storm Water Management
- Irrigation systems improvements
- Others

Eligible Applicants

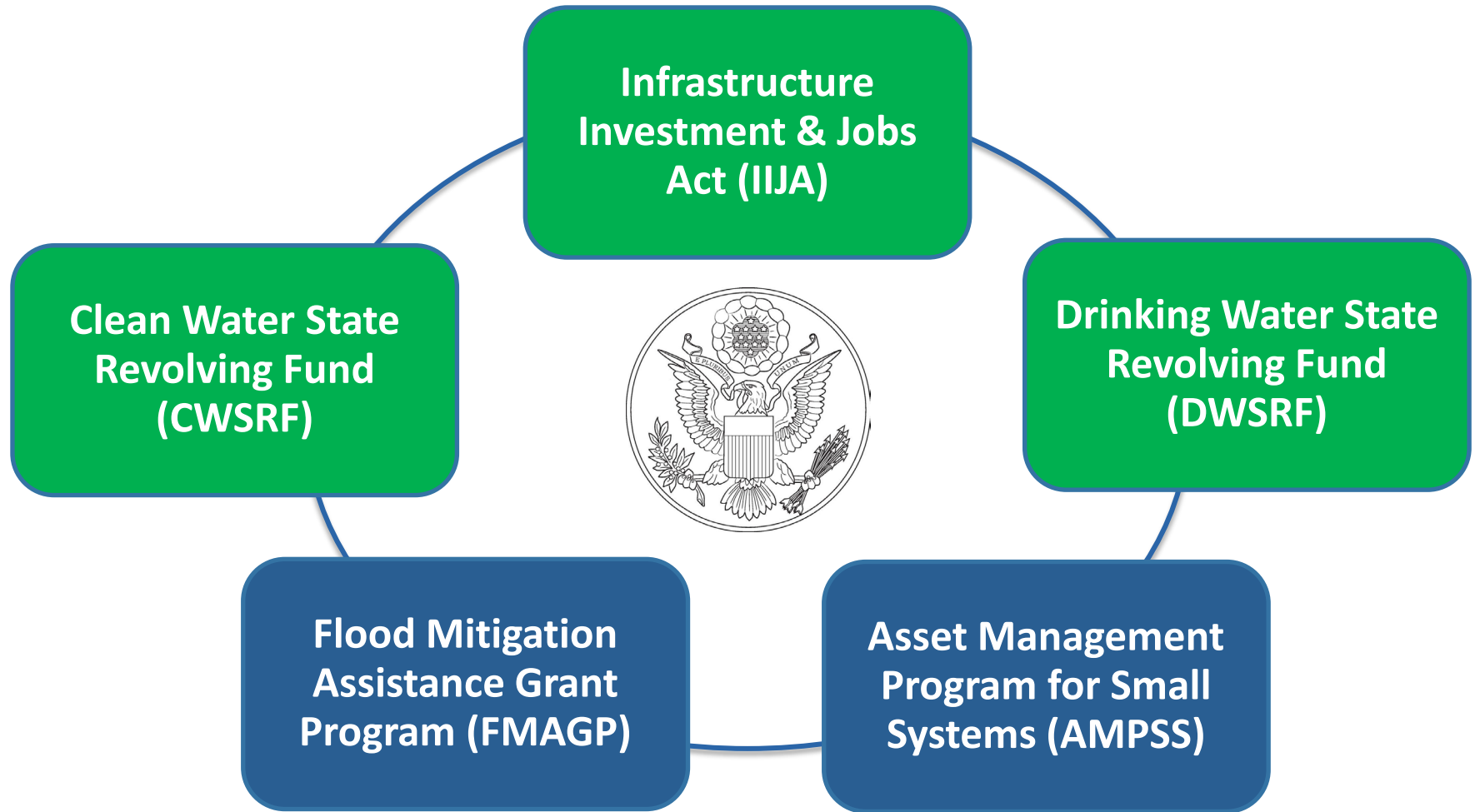
Specific to Each Funding Program

- Political Subdivisions
- Rural Political Subdivisions
- Public & Private Community Water Systems
- Non-Profit Water Supply Corporations
- Non-Profit, Non-Community Public Water Systems
- Authorized Indian Tribal Organizations

State Funded Financial Assistance Programs



Federally Funded Financial Assistance Programs



Purpose of the State Flood Plan

- SB 8, Texas Water Development Board administers the program and develops state flood plan
- State flood plan - preparation and response to flood conditions
- **Protect against the loss of life and property**
- Reduce Risk

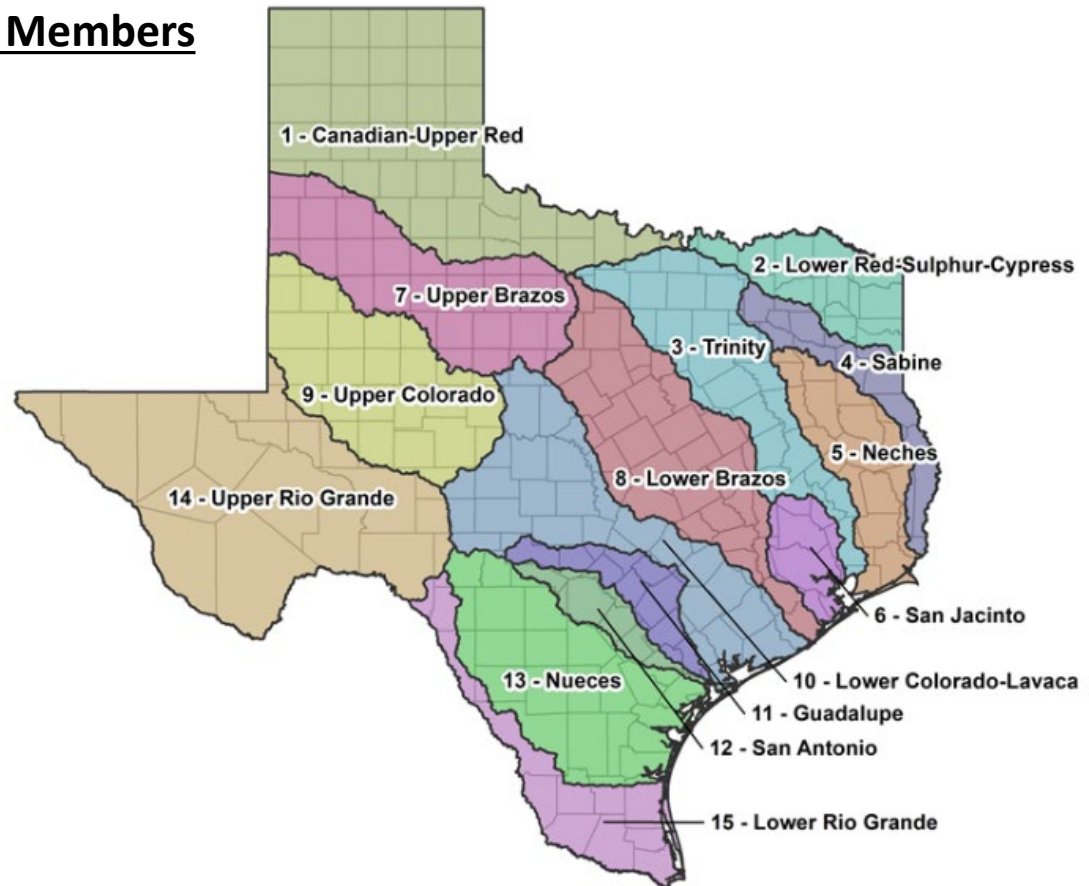
Regional Flood Planning Groups (15 regions)

Voting members

1. Agricultural interests
2. Industries
3. River authorities
4. Counties
5. Municipalities
6. Water districts
7. Flood districts
8. Electric generating utilities
9. Public
10. Water utilities
11. Environmental interests
12. Small businesses

Non-voting Members

1. TWDB
2. GLO
3. TCEQ
4. TPWD
5. TDA
6. TSSWCB
7. TDEM





Flood Infrastructure Fund Committed Projects

Clear Filters

Project Details

Active and Completed Project Commitments

138

Committed Amount
\$492,989,387

Category 1

46

Category 2

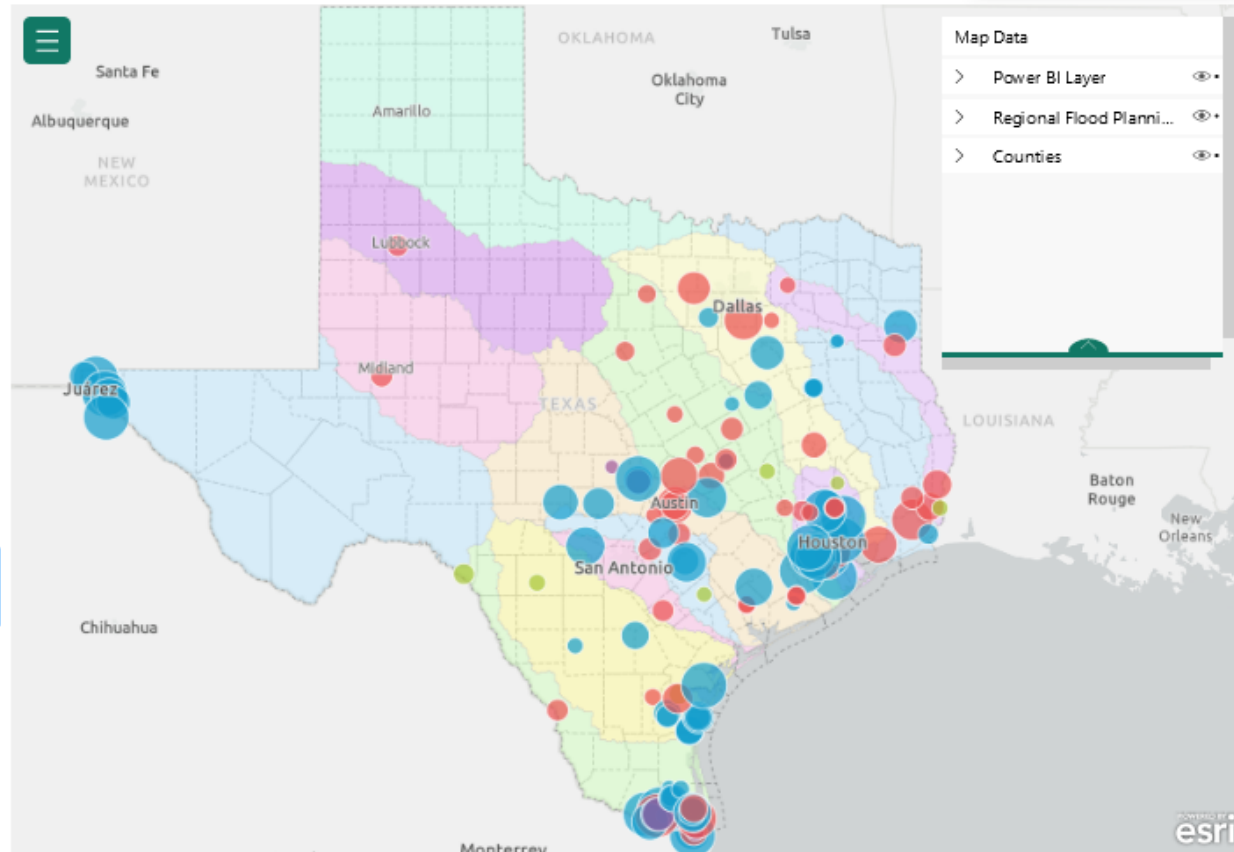
78

Category 3

7

Category 4

7



Senate Bill 28

- Texas Water Fund
- New Water Supply for Texas Fund
- TWDB Administration



Texas Water Innovations

Stakeholder
Involvement &
Partnership

Bottom-Up
Approach

State and regional
water planning

Flood Planning and
Funding

Groundwater
Management Areas

State Water
Implementation
Fund for Texas
(SWIFT)

SB28

Questions

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