



Regional Flood Planning



Tim Buscha, P.E., CFM Chair,
San Jacinto Regional Flood Planning Group



SAN JACINTO REGIONAL FLOOD PLANNING GROUP

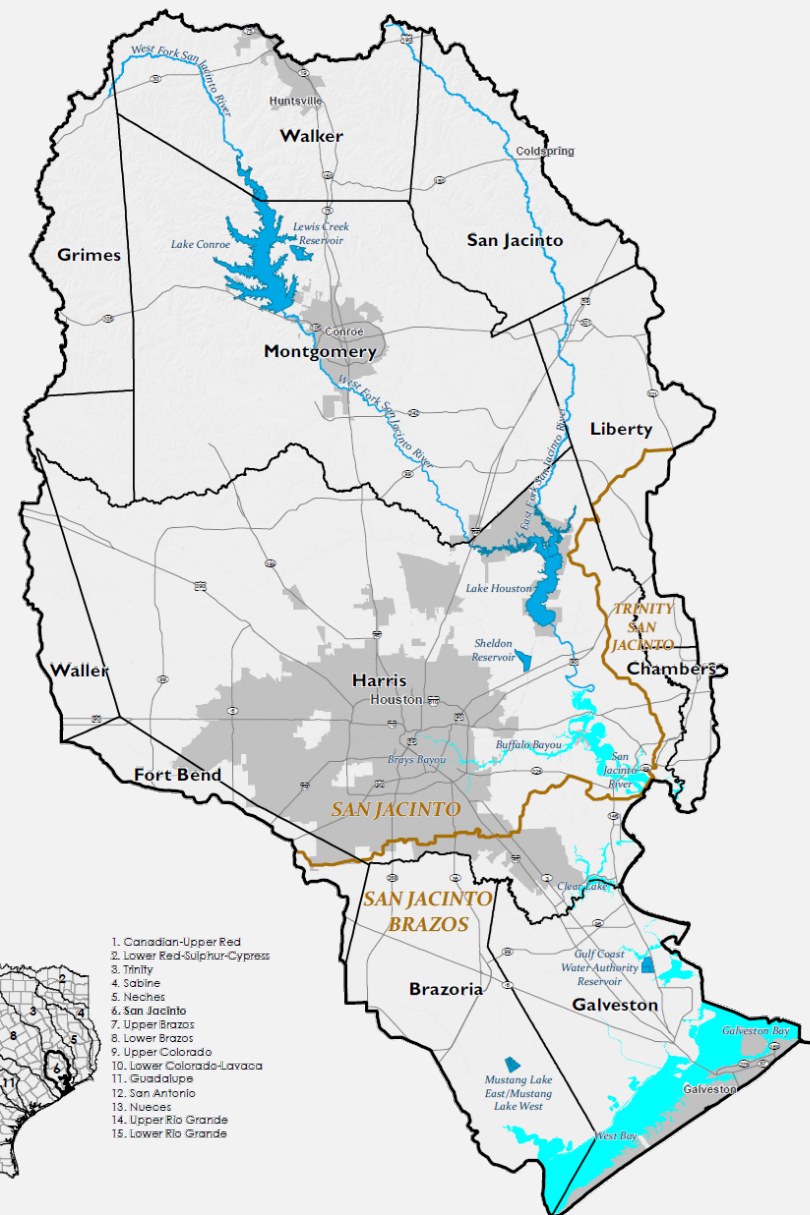
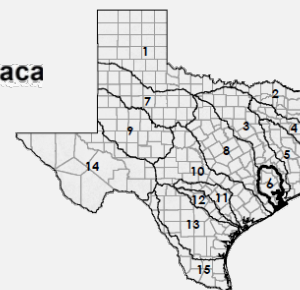
R E G I O N 6

HOUSTON STRONGER - WORKING TOGETHER FOR RESILIENCE - September 22, 2025





Texas Water Development Board - Regional Flood Planning

The Region 6 San Jacinto RFPG was established by the TWDB on October 1, 2020, with the purpose of carrying out the responsibilities placed on regional flood planning groups as required by Texas Water Code Chapter 16 and TWDB rules, including 31 Texas Administrative Code (TAC) Chapters 361 and 362.

The main goal of the SJRFPG is to develop a regional flood plan by: identifying flood risks, establishing flood mitigation and floodplain management goals; and, recommending evaluations, strategies, and projects to reduce flood risks.



1. Canadian-Upper Red
2. Lower Red-Sulphur-Cypress
3. Trinity
4. Sabine
5. Neches
6. San Jacinto
7. Upper Brazos
8. Lower Brazos
9. Upper Colorado
10. Lower Colorado-Lavaca
11. Guadalupe
12. San Antonio
13. Nueces
14. Upper Rio Grande
15. Lower Rio Grande

 County boundaries
  Major reservoirs
 Major river basin boundaries
  Major rivers
 Major roadways
 County seats

DISCLAIMER: This map was generated by the Texas Water Development Board using GIS (Geographical Information System) software. No claims are made to the accuracy or completeness of the information shown herein nor to its suitability for a particular use. The scale and location of all mapped data are approximate. Map date: 05/01/2020



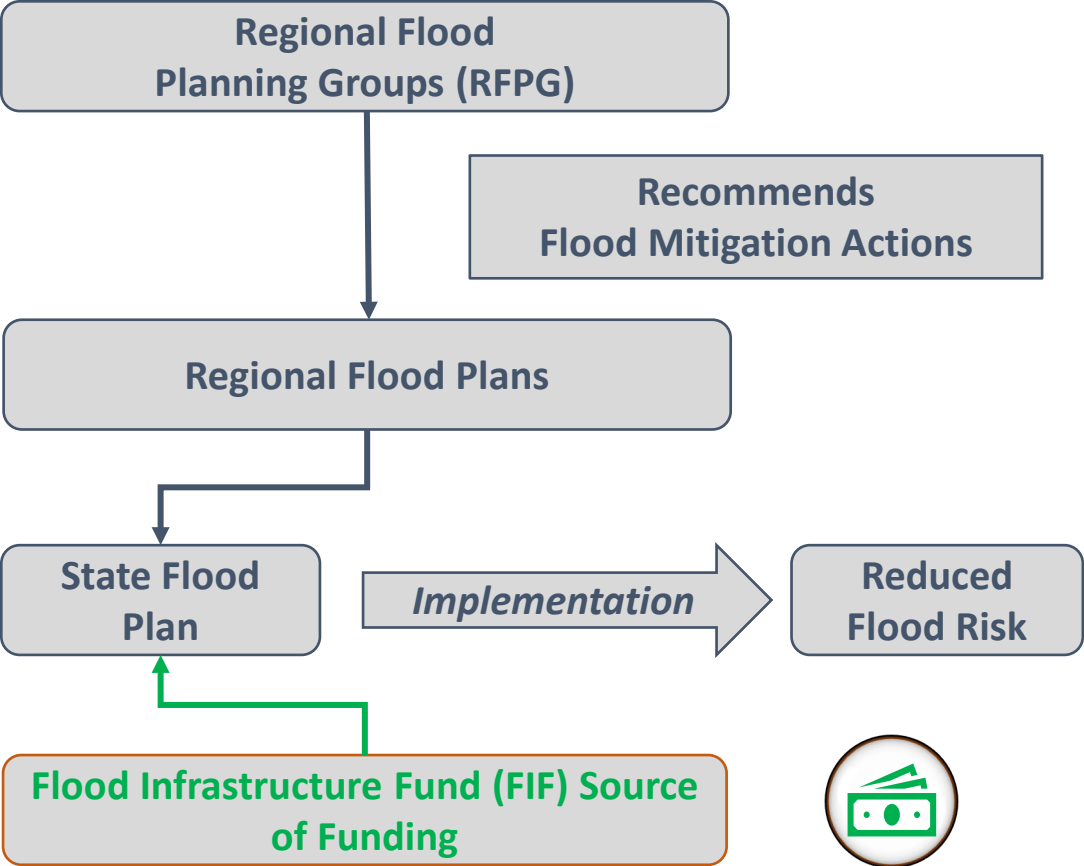
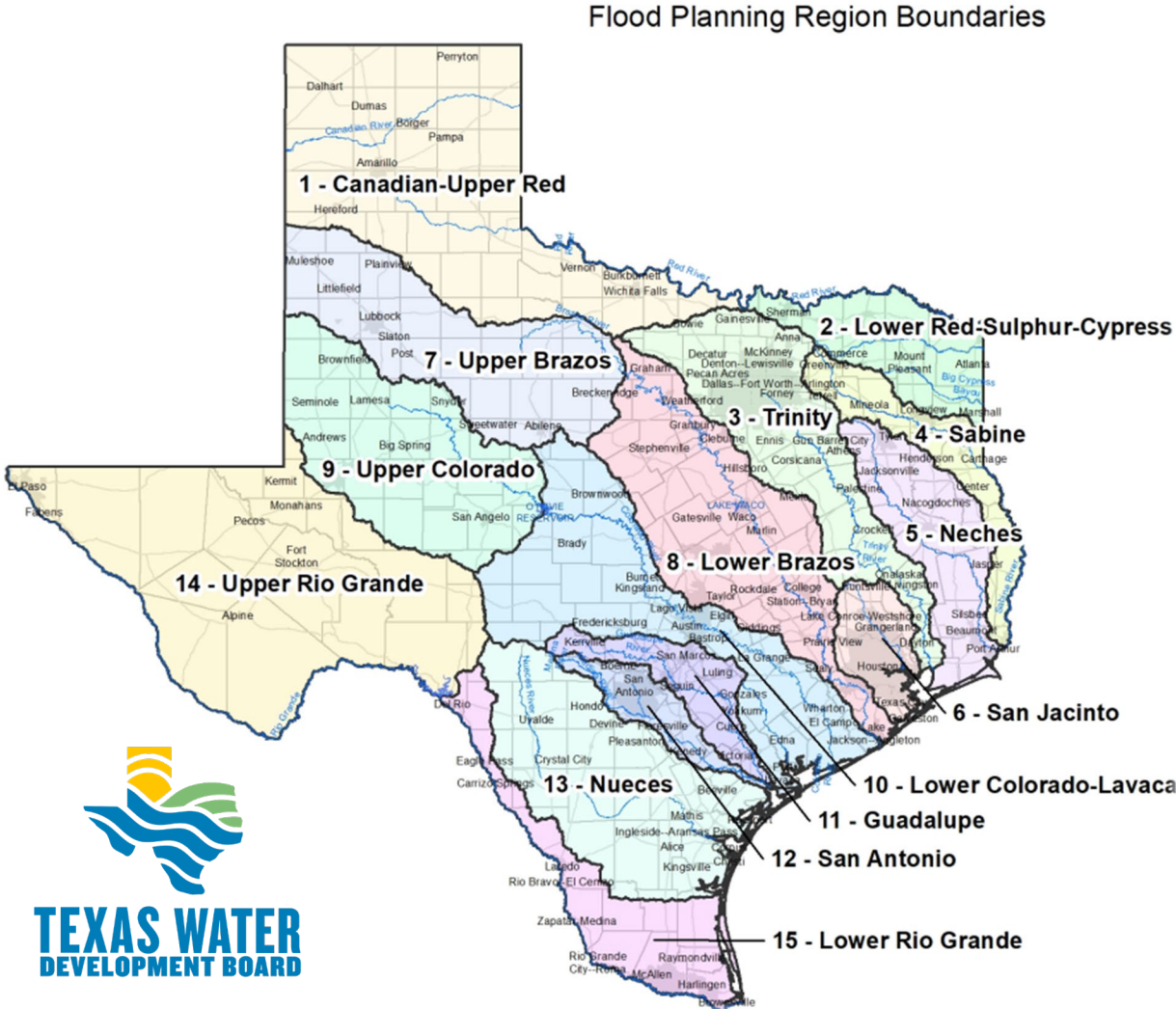
Texas Water Development Board
1700 North Congress Avenue, Austin, TX 78701
www.twdb.texas.gov - @twdb - facebook.com/twdbboard

Texas Water
Development Board

Region 6 - Timeline of 1st Flood Plan

- 1st Planning Cycle 2025 -
 - First Region 6 Planning Meeting - October 2020
 - Draft Region 6 Flood Plan to TWDB- August 2022
 - Region 6 Adopts Regional Flood Plan - January 2023
 - TWDB Adopts Statewide Flood Plan - August 2024

15 Regional Flood Plans → 1 State Flood Plan



Resources and Opportunities

STATE OF TEXAS

Texas Water
Development Board

Flood Infrastructure Fund

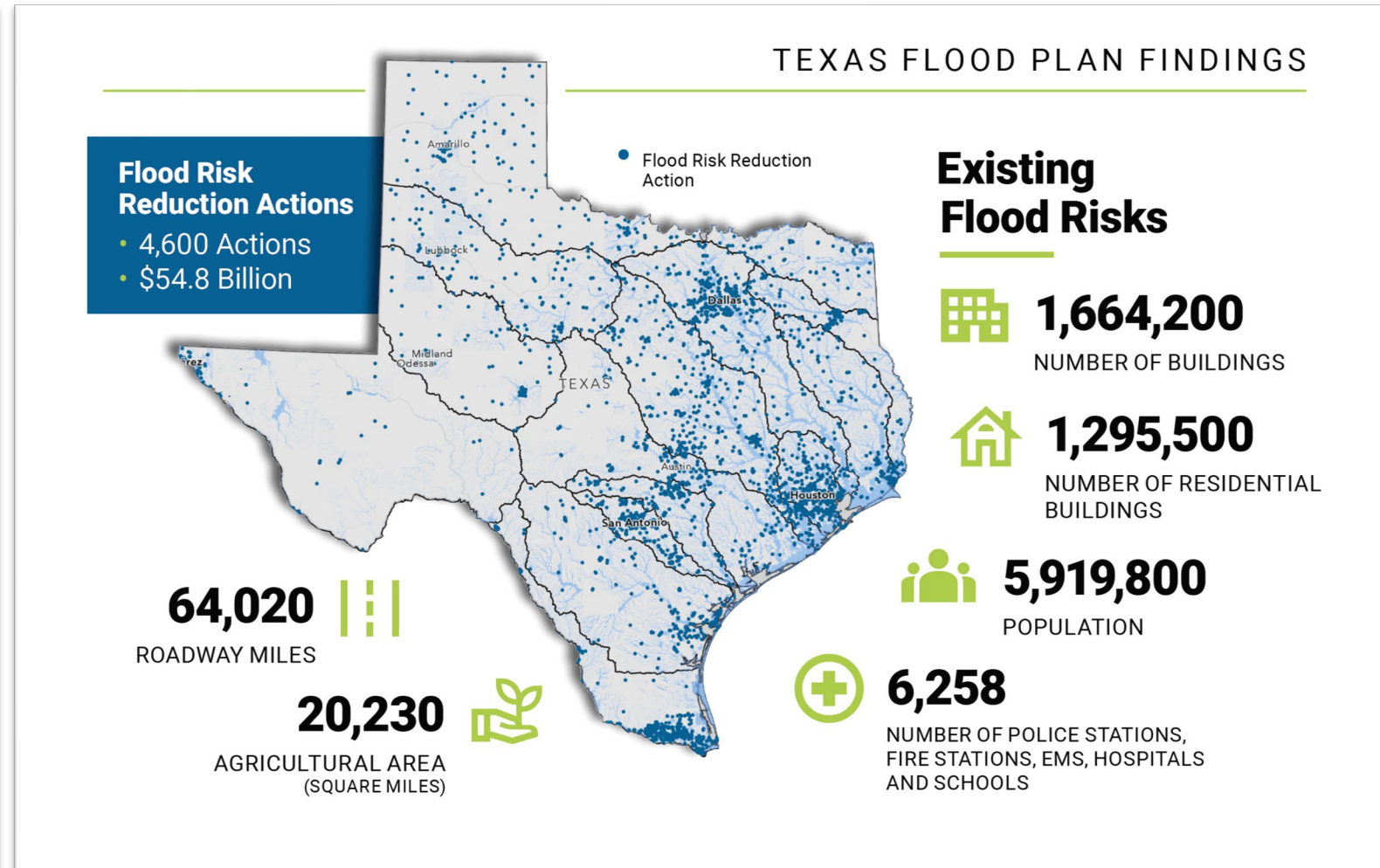
Intended Use Plan

SFY 2024–2025

TEXAS WATER DEVELOPMENT BOARD
PO BOX 13231 ■ AUSTIN, TX 78711



www.twdb.texas.gov/financial/programs/FIF

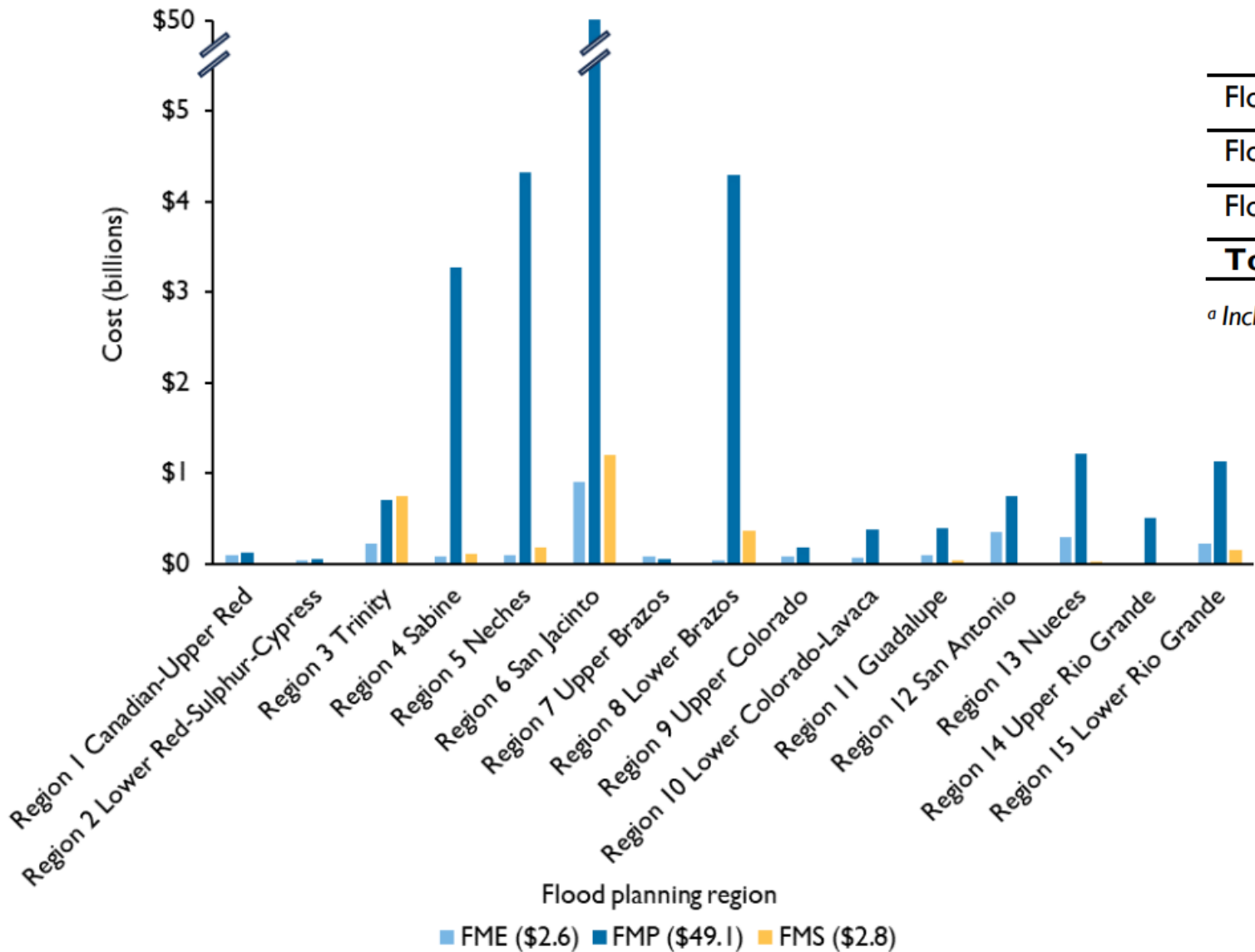


Regional Flood Plan Outcomes

- Flood Management Evaluations - FME (studies, risk assessments, feasibility of strategies or projects)
- Flood Management Strategies -FMS (regulations, ordinances, project plans, mitigations plans for life or property)
- Flood Management Projects- FMP(structural or non-structural projects to implement a strategy)
- These were termed FMX's and represent the primary product of the flood plan

STATE Flood Plan Highlights

Figure 7-2. Estimated cost of all recommended flood risk reduction solutions by region



	Count	Cost
Flood management evaluations	3,097	\$2.6B
Flood mitigation projects	615	\$49.1B
Flood management strategies ^a	771	\$2.8B
Total	4,483	\$54.5B

^a Includes both implementation costs and non-recurring non-capital costs

STATE Flood Plan Highlights

Table 7-1. Count and cost of recommended flood risk reduction solutions

	Count	Cost
Flood management evaluations	3,097	\$2.6B
Flood mitigation projects	615	\$49.1B
Flood management strategies ^a	771	\$2.8B
Total	4,483	\$54.5B

^a Includes both implementation costs and non-recurring non-capital costs

Region 6 = 645 solutions, \$35.3B

FMEs (463) FMSs (76) FMPs (106)

In Region 6 Galveston Bay Surge Protection Coastal Storm Risk Management ~ \$24B

Flood Infrastructure Fund (FIF)

Background



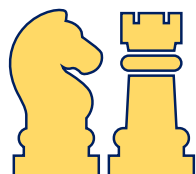
- ✓ Created by 86th Texas Legislature in 2019 and approved by voters on Nov 5, 2019
- ✓ Original funding was **\$770 million**
- ✓ Senate Bill 30, 88th Legislature (2023) provided an additional **\$624 million**
- ✓ TWDB making **\$375 million** available in this round (FY2024-25)
- ✓ This 2nd round of funding will be allocated over the next 2 years

FIF Funding Opportunities

- ✓ Type of financial assistance:
 - ✓ Loan only
 - ✓ Grant only
 - ✓ Grant and loan
- ✓ Loan interest rate 0% this cycle
 - ✓ Terms up to 30 years
- ✓ Grant awards range from 5% to 100%



FIF Abridged Applications – FY2024-25

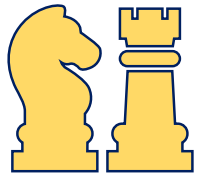


FMS – Flood Management Strategies

- ✓ **9 Applications**
- ✓ **6 Regions**
- ✓ **9 Unique Sponsors**
- ✓ **~\$8 Million**
FIF Funds Requested
- ✓ **\$37,500,000**
FIF Funds Available

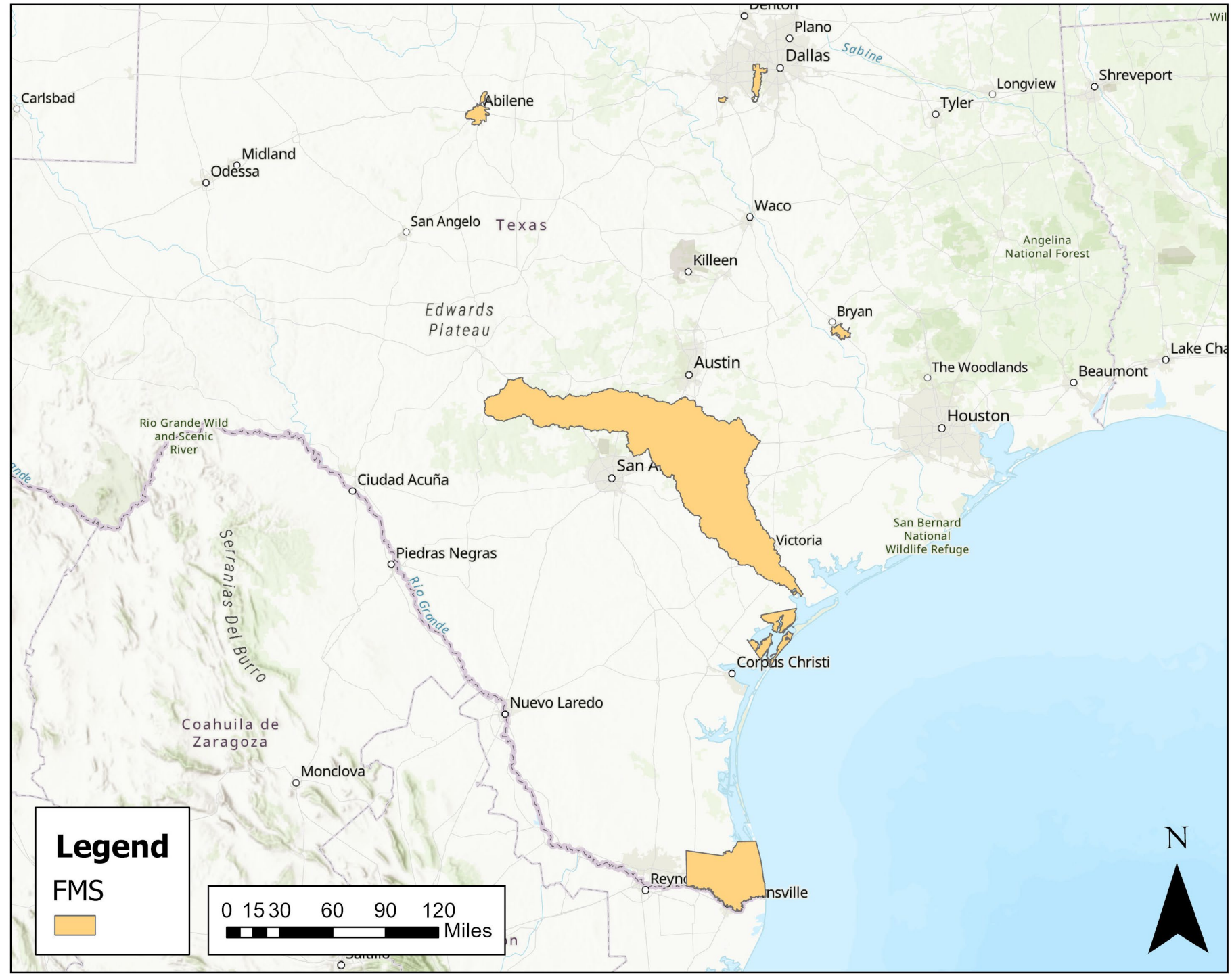
Region	Applicant	FMS Name	FMS Cost	Grant Eligibility	Grant Amount
15	Cameron County	LRGV Regional Flood Early Warning System: Planning, Deployment, Operation & Maintenance	\$3,000,000	40%	\$1,200,000
11	Upper Guadalupe River Authority	Flood Measurement and Warning	\$1,000,000	5%	\$50,000
7	Abilene	City of Abilene Creek Gauge Program	\$175,000	30%	\$52,500
15	Cameron County Drainage District No. 5	CCDD5 Flood Warning System Improvement Project	\$1,974,400	30%	\$592,320
13	Aransas County	Aransas County Flood Warning System	\$100,000	35%	\$35,000
3	Grand Prairie	Additional Rain/Stream Gauges for 13 locations	\$250,000	0%	\$0
3	Burleson	City of Burleson Flood Warning and Safety Improvements	\$485,000	0%	\$0
15	Cameron County	Cameron County Levee Certification	\$500,000	50%	\$250,000
8	College Station	City of College Station Flood Early Warning System	\$90,000	40%	\$36,000

FIF Abridged Applications FY2024-25

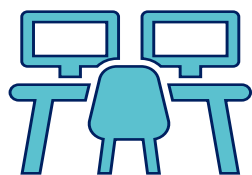


FMS – Flood Management Strategies

The first round of formal invitations to apply was sent on September 16, 2025 for all FMSs

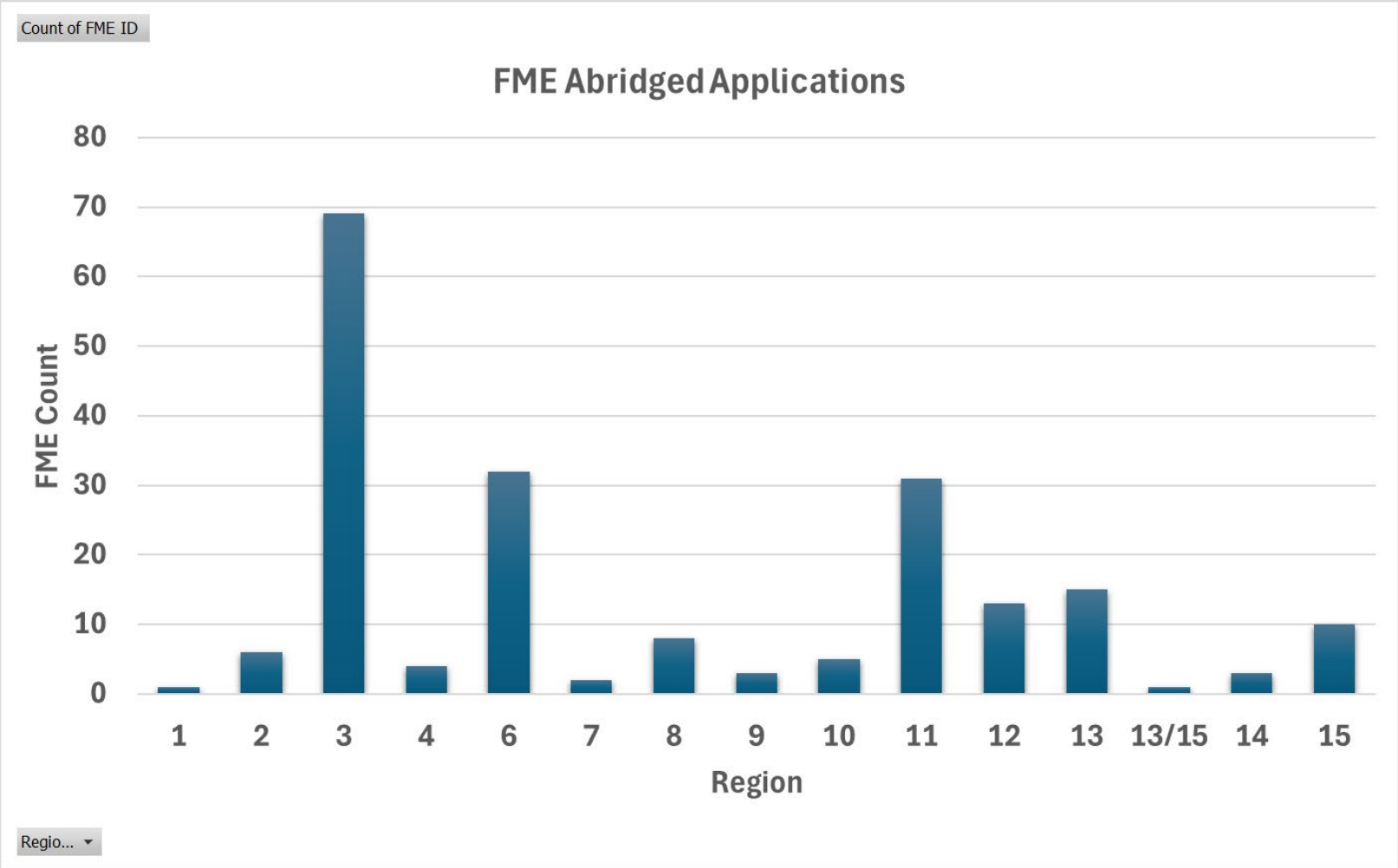


FIF Abridged Applications – FY2024-25

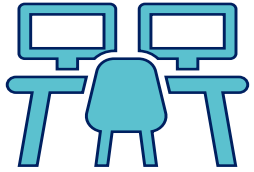


FME – Flood Management Evaluations

- ✓ **202 Applications**
- ✓ **14 Regions**
- ✓ **84 Unique Sponsors**
- ✓ **~\$200 Million**
FIF Funds Requested
- ✓ **\$93,750,000**
FIF Funds Available

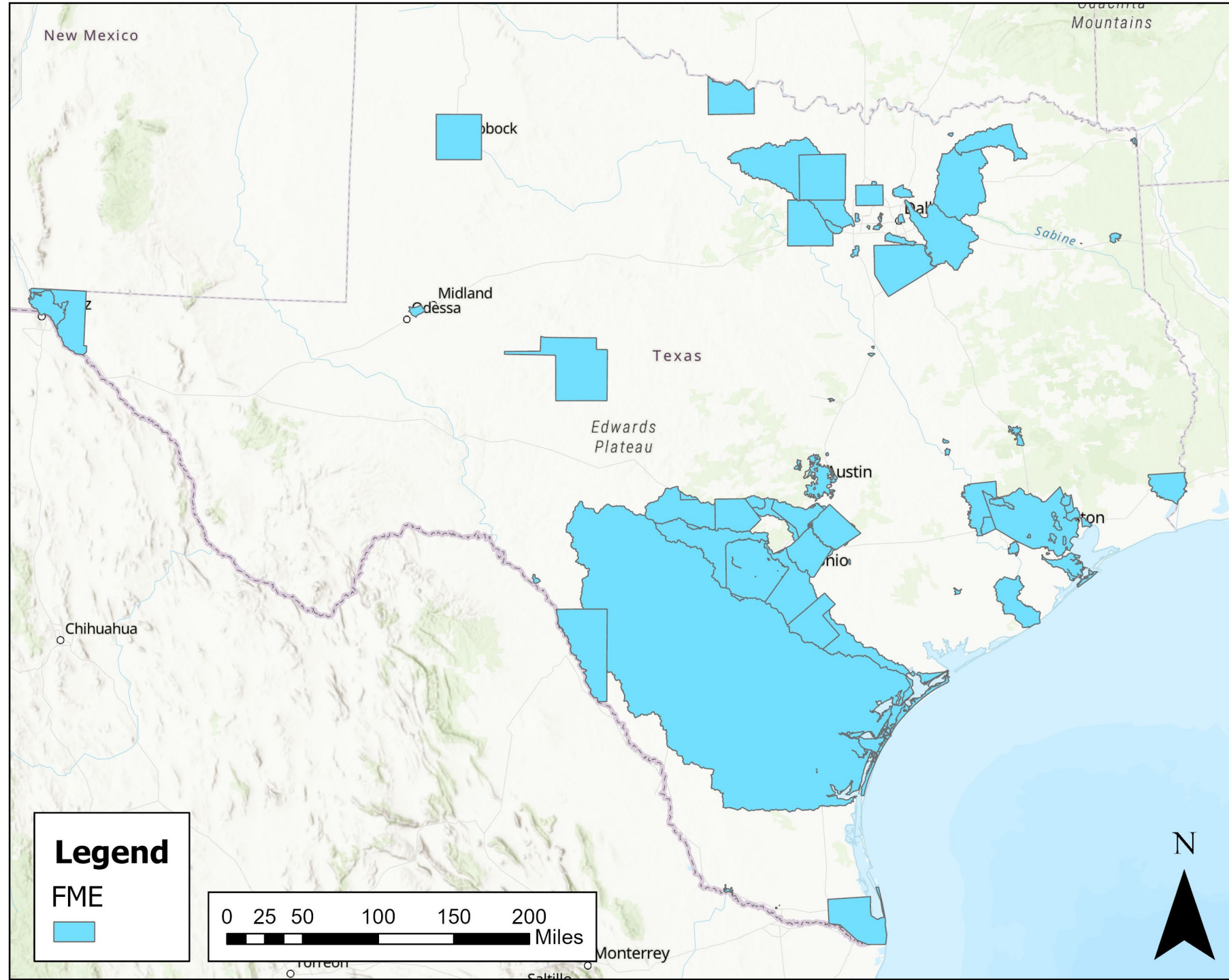


FIF Abridged Applications FY2024-25



FME – Flood Management Evaluations

*The first round of formal
invitations to apply was sent on
April 30, 2025, for 17 FMEs*

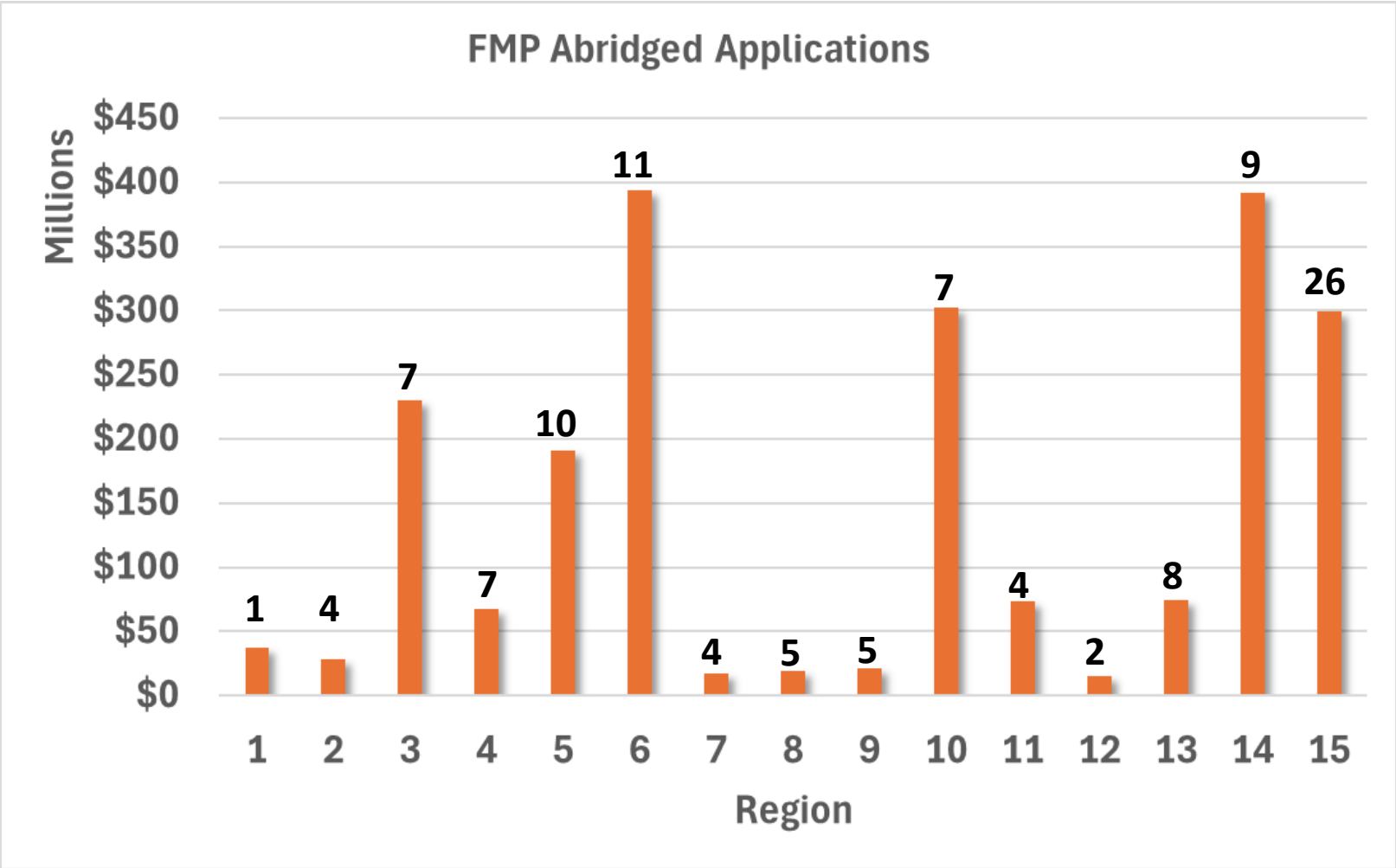


FIF Abridged Applications – FY2024-25



FMP – Flood Mitigation Projects

- ✓ **110** Applications
- ✓ **15** Regions
- ✓ **46** Unique Sponsors
- ✓ **~\$2.2 Billion**
FIF Funds Requested
- ✓ **\$243,750,000**
FIF Funds Available

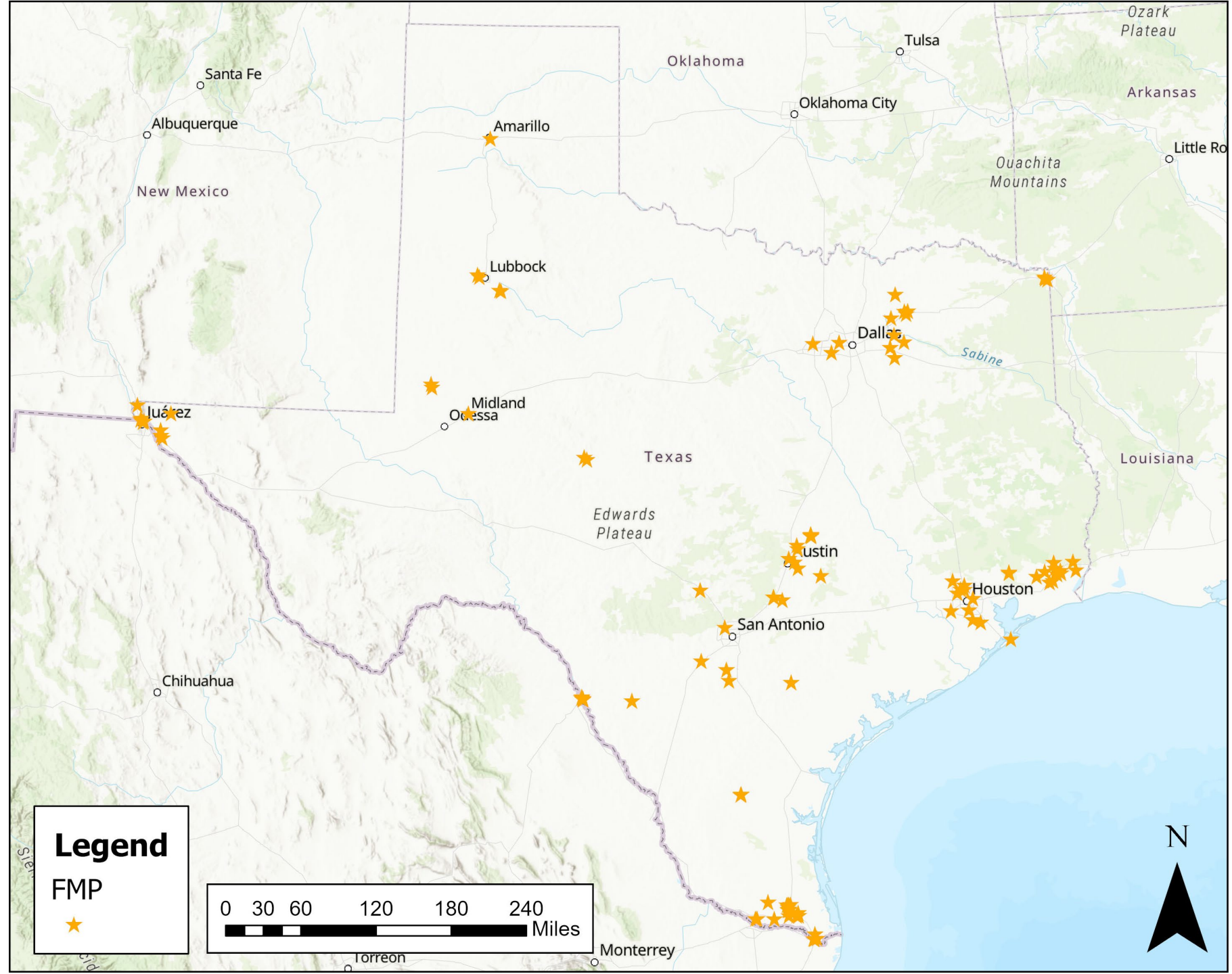


FIF Abridged Applications FY2024-25



FMP – Flood Mitigation Projects

*The first round of formal
invitations to apply was sent on
April 30, 2025, for 2 FMPs.*





1st Cycle Outcomes

For the FY24-25 FIF competition, Two (2) Region 6 abridged submittals have been selected to submit full applications:

FME 061000175 - SAFER Study; HCFCF; Requested \$23M

FME 061000022 – Dickinson Bayou Flood Mitigation Plan – Alternatives 2; League City; Requested \$1.09M

All abridged applications submitted under the FMS category were asked to submit full applications. No Region 6 sponsor applied for FIF funds under the FMS category.

Statewide only the top 2 abridged applications under the FMP category were asked to submit full applications.

A Region 6 FMP was ranked #4 out of abridged applications, Pearland was the sponsor.



Region 6 - Timeline of 2nd Flood Plan

- 2nd Planning Cycle 2028 -
 - Start of the 2nd planning cycle - January 2025
 - Amendment #2 to the 2023 Region 6 Flood Plan - March 2023 (TWDB still working on it)
 - Working on various Task & Technical Memo in 2025
 - Sponsor deadline to submit to Regional 6 FMXs Summer/Fall 2026
 - Draft Region 6 Flood Plan to TWDB - May 2027
 - Adopt Region 6 Flood Plan - January 2028

Supporting the State Flood Plan

- Encourage local entities to participate in the new planning cycle
- Tell you legislature to your support the planning efforts of the regional planning groups
- Encourage and advocate for continue funding of the Flood Infrastructure Fund

Region 6: <https://sanjacintofloodplanning.org/>

TWDB: <https://www.twdb.texas.gov/flood/index.asp>