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Region 11: Guadalupe
Regional Flood Planning Executive Meeting

Tuesday, January 13, 2026
2:00pm

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Agenda Item 1

Call to Order

- Attendance
- Individuals attending in-person, please sign-in

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Agenda Item 2

Welcome

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Agenda Item 3

Approval of Meeting Minutes

- Approval of minutes from the November 12, 2025 RFPG meeting

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Meeting Minutes – November 12, 2025
Region 11 Guadalupe Regional Flood Planning Group Meeting
GBRA River Annex at 2:00 PM
GBRA River Annex (905 Nolan Street, Seguin, Texas)
Roll Call:

Voting Member	Interest Category	Present (x) /Absent ( ) / Alternate Present (*)
Don Durden	*Agricultural*	X
John Johnston Billy Jordan*	*Counties – Chair*	X
Doug Leecock	*Counties*	X
Melissa Reynolds	*Electric Generating Utilities*	X
Annalisa Peace Bill Barker*	*Environmental*	X
Doug Sethness	*Flood districts*	X
Zach Boyer	*Industries*	X
Joe Ramos	*Municipalities*	
Ken Gill	*Municipalities*	X
Kimberly Meitzen	*Public*	X
R. Brian Perkins Charlie Hickman*	*River Authorities*	X
Tara Bushnoe Shelby Taber*	*River Authorities*	X
Matthew Hoyt	*Small Business*	
Charlie Flatten	*Water Districts*	X
Steven Fonville	*Water Utilities*	X

Non-voting Member	Agency	Present(x)/Absent( )/ Alternate Present (*)
Sue Reilly Beth Bendik*	Texas Parks and Wildlife Department	X
Fernando Perez Regan Middleton*	Texas Division of Emergency Management	
Jami McCool Kristin Lambrecht*	Texas Department of Agriculture	X
Allen Nash	Texas State Soil and Water Conservation Board	
Kris Robles Teresa Williams*	General Land Office	X
Cynthia Nolasco	Texas Water Development Board (TWDB)	X
Joel Klumpp	Texas Commission on Environmental Quality	
Leah Cuddeback	Public	X
Juan Sandoval	Region 12 Liaison	
Patrick Brzozowski Scott Hartl*	Region 10 Liaison	

Quorum:
Quorum: **Yes**
Number of voting members or alternates representing voting members present: 11
Number required for quorum per current voting positions of 13: 7

Other Meeting Attendees:
Sharon Warren, GBRA (Admin)
Ram Mendoza, GBRA (IT)
Janis Childers (ICF)
Jay Scanlon (Freese & Nichols)
See sign-in sheets attached for additional attendees.

All meeting materials are available for the public at: http://www.guadalupeRFPG.org

AGENDA ITEM NO. 1: Call to Order

Chairman Johnston called the meeting to order at 2:01 PM. Sharon Warren called roll of the planning group members to record attendance, and a quorum was established.

AGENDA ITEM NO. 2: Welcome

Chairman Johnston welcomed members and guests to the meeting to include the following new members: Joel Ramos, Cynthia Meitzen, Matthew Hoyt, and Leah Cuddeback.

AGENDA ITEM NO. 3: Approval of minutes from the September 10, 2025, Region 11 RFPG Meeting.

Chairman Johnston opened the discussion on approving the minutes from the September 10, 2025, Region 11 RFPG Meeting. Leah Cuddeback requested a correction to Agenda Item 17.

A motion was made by Brian Perkins to approve the Amended September 10, 2025, Region 11 RFPG Meeting minutes. Charlie Flatten seconded the motion. The meeting minutes were approved by consensus.

AGENDA ITEM NO. 4: Region 11 Guadalupe REPG Chair Updates

No updates were given by the Chair.

AGENDA ITEM NO. 5: Texas Water Development Board (TWDB) Updates

Chairman Johnston called on Cynthia Nolasco for TWDB updates. The TWDB flood group staff hosted an MS Two Model Workshop last week with TDES. An email was sent out to chair sponsors and technical consultants with important templates for Task 5B. The technical memorandum is due January 7, 2026. An email was also sent out regarding FMX-related Exhibit C tables that were not explicitly included in the technical memorandum checklist. Tables 12, 13, and 14 are now available on the website. The TWDB hosted a technical conference call in September to discuss relevant documents for Task 4.

AGENDA ITEM NO. 6: Inter-regional updates on Region 10 & Region 12

Chairman Johnston called on Annalisa Peace for a Region 12 update. She attended the recent Region 12 meeting and commented on similar goals. Charlie Flatten provided an update on Region 10. Region 10 is on pace with Region 11.

AGENDA ITEM NO. 7: Discussion and potential action regarding the voting and non-voting positions. These include:

- **a. Industries**
- **b. Electric Generating Utilities**

Chairman Johnston called on Doug Leecock to report on the recommendations of the Ad Hoc Committee to be presented for the voting members' consideration. Ad Hoc Chair, Doug Leecock, thanked all who applied and reported that we received some very impressive nominations, and all would make great members. Doug. Leecock presented the following slate of recommended nominations:

a. Industries – Voting – Zach Boyer
b. Electric Generating Utilities – Voting – Melissa Reynolds

Chairman Johnston accepted the nominees as presented by the Ad Hoc committee representing the interest categories of Industries and Electric Generating Utilities. The vote passed by ten (10) Ayes, zero (0) Nays. New Committee members were invited up to participate in the rest of the agenda items.

AGENDA ITEM NO. 8: Consider nominating and potential action regarding election for the vacant RFPG Officer Position for 2025 (At-Large).

Chairman Johnston called for nominations for the At-Large position. Annalisa Pearce nominated Charlie Flatten for the position, and seconded by Brian Perkins. Nomination was accepted by Charlie Flatten. Charlie Flatten was appointed to the officer position, At-Large by acclamation.

AGENDA ITEM NO. 9: **Guadalupe Region 11 RFPG Sponsor Guadalupe-Blanco River Authority (GBRA) Updates.**

Brian Perkins reported GBRA was moving through the process and assisting Freese and Nichols and TWDB as necessary.

AGENDA ITEM NO. 10: Discussion and updates regarding Region 11 RFPG Technical Consultants' work and schedule

- **a. 2028 Regional Flood Plan Goals**
- **b. Draft Technical Memorandum (due January 7, 2026**
- **c. Process for approval of FME's to be performed**

Jay Scanlon introduced members of his team, Catherine Smith, Chris Nichols, Daniel Harris, and Justin Murray. He provided a quick task update and then provided a summary of what is in the technical

memorandum, goals, and the process for selection of the FMS. Task 3A – Evaluation/Recommendations on Floodplain Management Task 4B

Task 1 - Outreach Updates: Consultants are coordinating with Regions 10 and 12 on the outreach to communities and sharing data as appropriate to help minimize repeat agency contacts throughout the three regions.

Task 3A – Evaluation/Recommendations on Floodplain Management Practices-comments will be submitted for review by the group and will be discussed again at the January 2026 meeting.

Task 4B – is the Technical Memorandum, which contains data collection, gathering information about the region, and starting the list of potential studies and projects. The draft contains an updated list of previous studies that have been completed in the region, and updated risk maps. The list of previous studies has been updated. The Technical Memorandum is due January 6, 2026.

A Motion was made by Brian Perkins to authorize submitting the technical memorandum with the ability to make some non-substantial changes. Ken Gill seconded the Motion. The Motion was approved by consensus.

Task 3C- Flood Mitigation and Floodplain Management Goals- Distributed to RFPR members for comments and items to resolve relating to working for short-term and long-term goals and high-growth communities.

The group discussed minor adjustments and language refinements to the existing goals. Group agreed by consensus that the refined language was acceptable to be included as non-substantive changes in the technical memorandum. Additional refinements to language may be considered in 2026.

Task 4C/5B – FME to FMP Advancement Criteria- The TWDB provides funding for FMEs to generate FMPs in two ways, within the RFPG/TC contract and TWDB FME consultant contract. The two major categories for FME Evaluation are contracts less than $150K and $150K to $500K. Justin Murray with Scheibe Consulting discussed the scoring process for the selection of the FMEs to qualify for RFPG contracts in three categories: specific, non-specific, and storm drain/non-structural.

No action. TC will distribute the information related to the process and examples of the prioritized lists for review by the group and discussion at the January 2026 meeting.

Task 10-Public Participation and Plan Adoption-Public comments received related to contact at the City of Cibolo, 500-year floodplain recommendation, 1978 flood in Comfort, concerns about residential development, early warning system, solutions to polluted stormwater runoff

AGENDA ITEM 11: Consider date and agenda items for next meeting:

a. Tuesday, January 13, 2026

Chairman Johnston provided the date for the next meeting to be held at the GBRA River Annex on January 13, 2026, from 2:00 p.m. to 5:00 p.m.

AGENDA ITEM No. 15: Public general comments on Regular Business:

Chairman Johnston recognized Eoin Guiry from River Sentry to discuss a new flood warning system developed by his company. Kimberly Mietzen read a comment from Mikey Goralnik, trail transportation planner with the Great Springs Project. No further comments were made by the public.

AGENDA ITEM 17: Adjourn

Doug Sethness made a motion to adjourn the meeting. The motion was seconded by Ken Gill. The motion was approved by consensus at 4:29 p.m.

Approved by the Region 11 Guadalupe RFPG at a meeting held on November 12, 2025.

_____

Brian Perkins, SECRETARY

_____

John Johnston, CHAIR

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SIGN-IN SHEET FOR REGION 11 FLOOD PLANNING GROUP
SEGUIN, TEXAS

Date: November 12, 2025

Please Print

	Name	Organization	E-mail Address
1	Cameron Farris	Accenture	Cameron.Farris@Accenture.com
2	Eoin Guiry	River Sentry	eoin.guiry@riversentry.com
3	Stephen Germann	Guadalupe County Commissioner	Stephen.Germann@guadalupetx.gov
4	[redacted]		
5			
6			
7			
8			
9			
10			

Agenda Item 4

Region 11 Guadalupe RFPG Chair Updates

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Agenda Item 5

Texas Water Development Board (TWDB) Updates

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Agenda Item 6

Inter-regional updates on Region 10 and Region 12

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Agenda Item 7

Consider nominating and potential action regarding election of the RFPG Officer positions for 2026

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Agenda Item 8

Guadalupe Region 11 RFPG Sponsor Guadalupe-Blanco River Authority (GBRA) Updates

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Agenda Item 9

Discussion and potential action regarding administrative expenses to be submitted to the TWDB for reimbursement

Date Range: September 1, 2025 - December 31, 2025

Amount: $3,436.90

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GBRA: Regional Sponsor
Date Range: September 1, 2025 - December 31, 2025
RFPG Meeting Dates: September 10, 2025 and November 12, 2025
Executive Committee Meeting: none

GBRA Employee	Task 10	Hours
Executive Assistant	Responded to Cynthia Nolaso request for non-voting attendance for May and June meetings	0.25
	Meeting Materials - added slides convert PP to pdf; sent to IT support for posting to website; prepared Ad Hoc Committee minutes.	0.5
	Telephoned Sheriff Deputy; requested vendor set up for Comfort Public Library	0.25
	Sent out Ad Hoc Committee minutes to Ad Hoc members for review.	0.25
	Revised Meeting material slides and prepared new jump drive for IT Support; spoke with Kendall County Fire Marshall regarding # of occupancy in Community Room.	0.5
	Travel and meeting time to attend Comfort Meeting; assisted with room set up and note taking during meeting.	7.25
	Re-organized meeting materials; sent website change (new Nov meeting date) to IT Support; Updated and sent out Outlook calendar invite to members with new Nov meeting date;sent minutes of approved 05.06.25 and 06.24.25 signed minutes to IT Support for posting to website; scanned sign-in sheets and sent to FNI/ICF; Organized name tags; filed RFPG fact sheets to carry to future meetings.	4
	Updated Contact Sheet and sent to IT Support to update website with changes; Updated Outlook Group Contacts for Region 11; Updated nomination form for vacant positions; sent to IT Support for posting to website; sent to County Clerks for posting; prepared new name tags for those elected at the 09.10.25 meeting.	3
	Zachary Boyer - Nomination.	0.25
	Began preparing minutes from 09/10/25 meeting	4
	Continue preparing minutes and sent to B. Perkins for review and comments.	1
	Sent minutes to Jay Scanlon for his review and comments.	0.25
	Updated minutes and saved minutes as pdf.	0.25
	Sent draft minutes to members for review and comments	0.25

	Email IT to take down Nomination from Website; Send applications to Ad Hoc Committee members; prepare new name tags for nominees; trained new GBRA staff member on duties for RFPG.	0.75
Executive Assistant		22.75
Database Administrator	Posted the Sept 10 meeting materials document to the Region 11 website.	0.5
	Updated the November meeting date on the Region 11 website, Posted 2 sets of meeting minutes to the RFPG website, processed and posted Sept 10 meeting video to website	1.25
	Updated the members page on the Region 11 website, Posted nomination form to the homepage of the Region 11 website. Set reminder to remove at 5pm on Oct 15, removed a posting from the Region 11 RFPG website homepage	0.75
Database Administrator		2.5
Help Desk Technician	Set up for the Sept 10 meeting. Recording the meeting and technical support during the meeting, break down.	6
	Set up for the Nov 12 meeting. Recording the meeting and technical support during the meeting, break down.	4
Help Desk Technician		10
Accounting Coordinator	Finalize and submit Payment Request 4 packet	1
	Prepare GBRA Time Table, gather invoices and put together the payment request spreadsheet and packets for Payment Request 5	4
Accounting Coordinator		5
Paralegal	Participated in November Agenda Setting Conference Call with Jay Scanlon, Adam Conner, Brian Perkins and Cynthia Nolasco; Reviewed and revised attendance sheet and member list	1
	Post Meeting Agenda to the Texas Secretary of State and the Region 11 website. Email correspondence with Brian Perkins re: meeting packet; organization of meeting materials	0.5
	Preparation of Meeting Materials, email to members and IT to post meeting materials to website, telephone conference with Matthew Holt and conference with Brian Perkins	0.75
	Preparation for and attendance at the November meeting in Seguin	5.75
	Preparation of draft of the November minutes	2
	Continued preparation of draft of the November minutes	2.5
	Reviewed and Revised November minutes	0.5
	Contined review and revision of November minutes; emailed minutes to John Johnston, Jay Scalon and Cynthia Nolasco for review, email with Brian Perkins	0.8

	Preparation of documents for January 2026 meeting	0.2
Paralegal		14
Sr. Help Desk Technician	Posted Meeting Materials to website	0.5
Sr. Help Desk Technician		0.5
TOTAL WAGES		$ 2,283.66
TOTAL FRINGE (40.5%)		$ 924.88
TOTAL INDIRECT (10%)		$ 228.37
TOTAL SALARY		$ 3,436.90

Agenda Item 10

Discussion and potential action regarding Region 11 RFPG Technical Consultants work and schedule

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Technical Consultant Update

- **Task Updates**
  - Task 4B – Technical Memorandum
  - FY2026-2028 FIF Funding
- **Discussion and Possible Action**
  - Task 4C/5B – FMEs to be Performed by RFPG/TWDB
  - Task 3A – Recs on Floodplain Management Practices
- **Public Comments received**
- **Look Ahead**

FY2026-2028 FIF

- **Based on the previous cycle (to be updated once the Draft IUP is released):**
- Draft IUP in December 2025 (last cycle was December 1, 2023), followed by a 30-day public comment period ending January 2026
  - TWDB anticipates Draft IUP to be issued in “early January”
- Solicitation for abridged applications (AA) open approximately 2 weeks later (last cycle December 15, 2023, with AAs due April 15)
- Final IUP to the TWDB Board in March/April 2026 (estimated)
- Project review and scoring in Summer 2026; prioritized list published for public comment
- First round of invitations to submit full applications in Fall 2026

Task 4C and 5B

Discussion and Possible Action

Tasks 4C/5B: FME to FMP Advancement Criteria

TWDB Provides Funding for FMEs to Generate FMPs Two Ways:

1. Within RFPG/TC contract (about $500k total)
2. TWDB FME consultant contract

Two Major Qualifiers for FME Evaluation [>150K]

1. Within RFPG/TC contract - **less than $150K** for individual study
   - $150K limit recommended to be able to raise as many FMEs to FMPs as possible
2. TWDB FME consultant contract - **$150K to $500K** for individual study
   - $500K limit recommended to keep the study length shorter

Tasks 4C/5B: FME to FMP Advancement Criteria

Within RFPG contract

- There are 85 FMEs that qualify for RFPG contract (based on cost < $150k)
- Classified FMEs into three types:**[Project Type]**
    1. Specific description
    2. Non-specific description
    3. Storm drain or non-structural solution
- Types were used as a screener to increase probability that FME turns into FMP
    - Specific projects selected all others excluded (reduced 85 FMEs to 47 FMEs)
- Removed Storm drain FMEs because the time and expense are too high for this contract phase
- Non-structural projects less likely to result in FMPs

Tasks 4C/5B: FME to FMP Advancement Criteria

Within RFPG contract

Five categories of project scoring selected using data from FME submission:

1. Cost ($) per individual based on total population in the 100-yr floodplain **[$/Est. Pop. @ Risk]**
   - Total cost of study ÷ by the estimated population at risk of flooding
2. Number of structures at flood risk (i.e. in the 100-yr floodplain) **[Est. number of structures @ Risk]**
3. Whether the project is rural or non-rural based on rural/non-rural status of sponsor **[Rural/Non-Rural]**
4. Number of critical facilities within 100-yr floodplain **[Critical facilities @ Risk]**
5. Number of low water crossings **[Number of low water crossings @ Risk]**

Tasks 4C/5B: FME to FMP Advancement Criteria

Within RFPG contract

Scoring of each category:

1. Cost ($) per estimated individual at risk of flooding **[$/Est. Pop. @ Risk Scaled Score]**
   - 0 (highest cost) to 3 (lowest cost)
2. Number of structures at flood risk **[Structures @ Risk Scaled Score]**
   - 0 (less structures) to 3 (more structures)
3. Whether the project is rural or non-rural based on FME criteria **[Rural/Non-Rural]**
   - Rural = 3, Non-rural = 1
4. Number of critical facilities **[Critical facilities Scaled Score]**
   - 0 (less facilities) to 3 (more facilities)
5. Number of low water crossings (LWC) **[low water crossings @ Risk Scaled Score]**
   - 0 (less LWC) to 3 (more LWC)

Scoring of each category:
Normalized scoring so if a value was more than 1 standard deviation from the mean it was an outlier and was assigned either a 0 or 3

Tasks 4C/5B: FME to FMP Advancement Criteria

Within RFPG contract

Calculation of Criterion Weight:

$$Weight = \frac{Individual\ Score}{Sum\ of\ all\ Scores}$$

Example Calculation of Criterion Weight:

$$Weight\ (Structures\ at\ Risk) = \frac{8}{40} \times 70\% = 0.1400$$

Determining Weighting Factors

Score Row against Column
3 = criteria is of greater importance
2 = criteria is of equal importance
1 = criteria is less important

Criteria	$/Est. Pop. @ Risk	Structures @ Risk	Rural/Non-Rural	Critical Facilities	No. of Low Water Crossings	Sum	Rank	Weight
$/Est. Pop. @ Risk		3	1	3	2	**9**	3	15.75%
Structures @ Risk	1		1	3	1	**6**	4	10.50%
Rural/Non-Rural	3	3		3	2	**11**	1	19.25%
Critical Facilities	1	1	1		1	**4**	5	7.00%
No. of LWCs	2	3	2	3		**10**	2	17.50%

RFPG can make **recommendations** to adjust the individual scores in this table.

Tasks 4C/5B: FME to FMP Advancement Criteria

- Final Scoring Criteria
- RFPG can make recommendations to adjust scoring [RFPG Score]
- 30% RFPG Importance is reserved for flexibility to lift or lower projects based on RFPG priorities

Criteria	Weighting
$/Est. Pop. @ Risk	15.75%
Structures at flood risk	10.50%
Rural/Non-Rural	19.25%
Critical facilities	7.00%
low water crossings	17.50%
RFPG Importance	**30.0%**
Total	100%

Tasks 4C/5B: FME to FMP Advancement Criteria

Example Ranking

City of Wimberly – Project planning for proposed project to replace water crossing at FM 1492 at Blanco River.":

Category	Scale Score	Weight	Category Score
$/Est. Population @ Risk	2.99 *(1=$$$ to 3=$)*	15.75%	0.47
Structures @ Risk	1.48 *(0 none, 1 lowest, 3 highest)*	10.50%	0.16
Rural vs. Non-rural	3 *(3 rural or 1 non-rural)*	19.25%	0.58
Critical Facilities	0.00 *(0 none, 1 lowest, 3 highest)*	7.00%	0.00
No. of LWCs	1.47 *(0 none, 1 lowest, 3 highest)*	17.50%	0.26
		Preliminary Score	**1.47**
RFPG Score	2 *(0 to 3)*	30%	0.60
		Final Score	**2.07**

Manual entry –

2 is used for example

Tasks 4C/5B: FME to FMP Advancement Criteria

Within RFPG contract- Recommendations for further consideration by RFPG:

1. Split FME listings into Upper and Lower classification [Upper/Lower Basin]
   - Potential to use Canyon Lake as a general dividing line
   - FMEs for Upper basin cities and counties score lower
   - Allows for RFPG to target FMEs in area hit hardest by July 4th floods

2. Adjust cost threshold to increase number of FMEs completed

3. Multiple FMEs for single sponsor
   1. Allow sponsor to determine which single FME is completed

Tasks 4C/5B: FME to FMP Advancement Criteria

TWDB FME consultant contract

Top two rated by RFPG:

1. Recommendation to use the same scoring/process with adjustments
2. Remove screening criteria for specific, non-specific, urban storm drain/non-structural
3. Filter FME to those less than $500k and not selected by RFPG for analysis

Score Tabulation

	A	D	E	N	S	V	W	AC	AD	AF	AG	AI	AK	AM	AO	AP	AQ
1					Category 2	Category 4	Category 5	Category 1	Qualifer	Category 3/Score 3	Score 1	Score 2	Score 4	Score 5	Manual Entry		
2									$ 150,000						(1-3)		
3	FME ID	FME Name	Description	Sponsor	Est. number of structures @ Risk	Critical facilities @ Risk	Number of LWC @ Risk	$/Est. Pop. @ Risk	>$150k	Rural/ Non-Rural	$/Est. Pop. @ Risk Scaled Score	Structures @ Risk Scaled Score	Critical facilities Scaled Score	LWC @ Risk Scaled Score	RFPG Score	Total Score	Upper/Lower Basin
4	111000081	City of Wimberley FM 1492 at Blanco River Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at FM 1492 at Blanco River	Wimberley	771	0	19	$64	FALSE	3	2.99	1.48	0.00	1.47	3.00	**2.36**	Upper
5	111000082	City of Wimberley Hidden Valley at Blanco River Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Hidden Valley at Blanco River	Wimberley	771	0	19	$64	FALSE	3	2.99	1.48	0.00	1.47	2.00	**2.06**	Upper
6	111000083	City of Wimberley Little Arkansas at Blanco River Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Little Arkansas at Blanco River	Wimberley	771	0	19	$64	FALSE	3	2.99	1.48	0.00	1.47	1.00	**1.76**	Upper
7	111000142	City of San Marcos South LBJ Drive at Willow Springs Creek Project Planning	Alternatives analysis to determine if a feasible FMP exists at this location. Develop technical data required for FMPs.	San Marcos	3,190	15	38	$3	FALSE	1	3.00	3.00	2.56	1.97	3.00	**2.40**	Lower
23	111000084	City of Wimberley Valley Drive at Pierce Creek Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Valley Drive at Pierce Creek	Wimberley	771	0	19	$64	FALSE	3	2.99	1.48	0.00	1.47	2.00	**2.06**	Upper
		City of Wimberley Flite															

Scenario 1

FME ID	FME Name	Description	Sponsor	RFPG Score	Total Score	Upper/Lower Basin
111000081	City of Wimberley FM 1492 at Blanco River Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at FM 1492 at Blanco River	Wimberley	3.00	**2.36**	Upper
111000082	City of Wimberley Hidden Valley at Blanco River Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Hidden Valley at Blanco River	Wimberley	3.00	**2.36**	Upper
111000083	City of Wimberley Little Arkansas at Blanco River Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Little Arkansas at Blanco River	Wimberley	3.00	**2.36**	Upper
111000084	City of Wimberley Valley Drive at Pierce Creek Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Valley Drive at Pierce Creek	Wimberley	3.00	**2.36**	Upper
111000085	City of Wimberley Flite Acres Road Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Flite Acres Road	Wimberley	3.00	**2.36**	Upper
111000086	City of Wimberley FM 1492 at Pierce Creek Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at FM 1492 at Pierce Creek	Wimberley	3.00	**2.36**	Upper
111000087	City of Wimberley Wilson Creek at River Road Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Wilson Creek at River Road	Wimberley	3.00	**2.36**	Upper

Scenario 2

FME ID	FME Name	Description	Sponsor	RFPG Score	Total Score	Upper/Lower Basin
111000127	Upper Guadalupe River Authority Evaluation of Water and Sediment Control Facilities	Study to evaluate the flood benefits and cost-effectiveness of UGRA's existing nine Kerr County facilities. Evaluation would include H&H modeling and financial data to determine flood risk reduction. Results could guide decisions on future facilities.	Upper Guadalupe River Authority	3.00	2.90	Upper
111000026	City of Kerrville Hill Country Drive at SH 16 Project Planning	Project planning for proposed project to raise the roadway profile and regrade Hill Country Drive, and increase the downstream pipe capacity at Hill Country Drive.	Kerrville	3.00	1.95	Upper
111000023	City of Kerrville Park Street Low Water Crossing Project Planning	Project planning for proposed project to improve or replace the Park Street Low Water Crossing.	Kerrville	3.00	1.88	Upper

Scenario 3

FME ID	FME Name	Description	Sponsor	RFPG Score	Total Score	Upper/Lower Basin
111000081	City of Wimberley FM 1492 at Blanco River Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at FM 1492 at Blanco River	Wimberley	3.00	**2.36**	Upper
111000082	City of Wimberley Hidden Valley at Blanco River Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Hidden Valley at Blanco River	Wimberley	3.00	**2.36**	Upper
111000083	City of Wimberley Little Arkansas at Blanco River Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Little Arkansas at Blanco River	Wimberley	3.00	**2.36**	Upper
111000142	City of San Marcos South LBJ Drive at Willow Springs Creek Project Planning	Alternatives analysis to determine if a feasible FMP exists at this location. Develop technical data required for FMPs.	San Marcos	3.00	**2.40**	Lower
111000084	City of Wimberley Valley Drive at Pierce Creek Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Valley Drive at Pierce Creek	Wimberley	3.00	**2.36**	Upper
111000085	City of Wimberley Flite Acres Road Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Flite Acres Road	Wimberley	3.00	**2.36**	Upper
111000086	City of Wimberley FM 1492 at Pierce Creek Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at FM 1492 at Pierce Creek	Wimberley	3.00	**2.36**	Upper

Scenario 4

FME ID	FME Name	Description	Sponsor	RFPG Score	Total Score	Upper/Lower Basin
111000015	City of Flatonia Drainage Project Planning	Project planning for proposed project to make culvert and drainage ditch improvements from just south of the Union Pacific Railroad at US 90 to the north side frontage road of I-10.	Flatonia	3.00	1.95	Lower
111000177	City of San Marcos Upper San Marcos Site 4 & 5 Dam Evaluations	This project planning will include a re-evaluation of NRCS dams 4 and 5 with Atlas 14 rainfall and an analysis of potential updates to the dams that could improve flood reduction within the City of San Marcos.	San Marcos	3.00	2.22	Lower
111000043	City of New Braunfels - Box Culvert Installation to Reduce Flood Risk on Blieders Creek, Comal River and Landa Park Project Planning	Project planning for proposed drainage improvements project to reduce flooding in the Blieders Creek and German Creek watersheds by conveying flows to the Guadalupe River. The project is also intended to relieve flooding in the Landa Park area.	New Braunfels	3.00	1.99	Lower
111000127	Upper Guadalupe River Authority Evaluation of Water and Sediment Control Facilities	Study to evaluate the flood benefits and cost-effectiveness of UGRA's existing nine Kerr County facilities. Evaluation would include H&H modeling and financial data to determine flood risk reduction. Results could guide decisions on future facilities.	Upper Guadalupe River Authority	3.00	2.90	Upper
111000066	City of Seguin Citywide Drainage Project Planning	Project planning for four priority drainage projects within the City of Seguin that would greatly improve the safety of their 25,520 residents. Project areas include North Guadalupe, North Heideke, Mays Creek and Walnut Branch.	Seguin	3.00	2.00	Lower
111000068	City of Uhland Drainage Improvement Project Planning	Project planning for proposed project to mitigate against flooding by increasing the capacity of drainage routes to contain the storm water. Proposed drainage improvements will reduce flood waters backing up into the City.	Uhland	3.00	2.28	Lower
111000073	City of Victoria Regional Drainage Solutions Project Planning	Project planning for proposed project for five regional drainage solutions within the City: the Gardens Apartment diversion, Shenandoah ditch improvements, Anthony Road outfall improvements, Lone Tree Road outfall improvements, and Clegg Ditch outfall.	Victoria	3.00	2.13	Lower
	Green DeWitt County					

Task 3A

Recommendations on Floodplain Management Practices

Land Conservation

Acquiring open land outside of flood-prone areas can help mitigate or eliminate changes in runoff that contribute to increased flooding. Similarly, acquiring land within established flood-prone areas preserves natural flood storage capacity, maintains existing floodplain conditions, and prevents development in vulnerable zones.

- **Recommendation:** Communities are encouraged to [Communities should] prioritize land acquisition, protection, and/or conservation easement strategies and partnerships that support long-term flood prevention, flood mitigation and environmental preservation.
- **Best Management Practices include:**
- Voluntary buyout and open-space acquisition programs. Target repetitive-loss and severe-repetitive-loss areas, and hydrologically or environmentally sensitive areas, and convert to permanent open space to eliminate flood-risk and preserve storage and conveyance.
- Conservation easements. Record deed restrictions that prevent fill and construction of structures in floodplain/riparian corridors while allowing access and habitat preservation and/or restoration.
- Wetland restoration. Identify former wetlands, restore condition and function.
- Transfer/Purchase of Development Rights (TDR/PDR). Shift density out of flood-prone areas to safer development zones without reducing overall growth potential.
- Floodplain reconnection/benching. Acquire overbank areas and lower benches along creeks and rivers to restore flood storage, reduce flood stages (depth), and preserve or improve habitat.
- Riparian corridor dedications at platting. Require public access/maintenance easements and open-space lots along mapped corridors.
- Rolling easements (tidal/coastal contexts). Allow natural landward migration of shorelines while avoiding armoring that transfers risk.

Detention Basins

Protecting downstream landowners and public infrastructure from flooding and erosion caused by new development is essential. Municipalities and counties should require pre- and post-project hydrology and hydraulics (H&H) studies, using the most accurate models available (which may require creating new models).

- **Recommendation:** Communities are encouraged to [Communities should] adopt ordinances mandating H&H studies and appropriate detention basin design standards. Design standards should include no adverse impacts to adjacent and downstream properties over a range of pre- and post-project storm events such as the 2-, 25-, and 100-year storm events (50%, 4%, and 1% annual chance storm events).
- **Best Management Practices Include:**
- Define “no adverse impact.” Codify no measurable increase in peak flow, depth, velocity, or flood duration at key downstream points across multiple design events.
- Size for multiple events. Match pre- to post-development hydrographs for 2-, 10-, 25-, and 100-year storms and check flow duration to avoid erosive bank flows.
- Design outlets with tailwater. Base outlet rating on stage–discharge curves and downstream boundary conditions (river/tide) expected during storms.
- Provide a safe overflow path and freeboard. Include an emergency spillway and maintain embankment freeboard for less frequent or rare events.

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Detention Basins

- **Best Management Practices Include (continued):**
- Provide a safe overflow path and freeboard. Include an emergency spillway and maintain embankment freeboard for less frequent or rare events.
- Set drawdown targets and field verify. Require 24 to 72-hour drain-down (balancing water quality and storage volume for successive storms) and confirm via post-construction as-built surveys.
- Plan for Operation and Maintenance. Add sediment forebays, trash racks, and all-weather maintenance access around the perimeter of the facility.
- Offer regional detention/fee-in-lieu. Tie off-site storage to a watershed plan where on-site detention is infeasible.
- Control redevelopment runoff. Require peak shaving and volume reduction for infill to avoid cumulative impacts.

Development Limits and Management of Impervious Cover

Limiting development and managing impervious cover are key land use practices for reducing flood risk. These strategies should be incorporated into floodplain regulations, land development codes, and design manuals.

- **Recommendation:** Communities are encouraged to [Communities should] establish thresholds for impervious cover and integrate these limits into regulatory frameworks.
- **Best Management Practices include:**
- Cap impervious cover by land use district. Set maximum total imperviousness and cut effective impervious area (EIA) with Low Impact Development (LID) credits.
- Use open-space/cluster layouts. Concentrate building pads on higher ground while preserving connected floodplain/open space.
- Right-size parking lots. Establish lot maximums, enable shared parking, and allow pervious overflow areas.
- Narrow hardscape smartly. Update street and driveway standards to reduce paved areas without compromising safety.
- Limit lot-level coverage. Cap driveways/patios and incentivize permeable or pedestal drainage systems.
- Set redevelopment performance. For projects over an impervious threshold, require net EIA reduction or on-site retention of first-flush volume.

Creek and River Buffer Zones

Establishing buffer zones along creeks and rivers based on the 100-year (1% annual chance) floodplain boundary or other fixed minimum widths (setbacks) is a land use best practice. These zones preserve natural flood storage, protect water quality, support riparian habitat, and reduce flood and erosion damage.

- **Recommendation:** Communities are encouraged to [Communities should] codify buffer zone requirements in local regulations and design standards.
- **Best Management Practices include:**
- Scale buffers by stream order. Require the greater of the mapped 1% annual-chance floodplain or a fixed-width buffer scaled by stream order; refine using geomorphic evidence.
- Map and protect channel migration zones (CMZs). Delineate CMZs and prohibit new structures/utilities within them.
- Map and protect erosion hazard zones (EHZs). Delineate the boundary and prohibit new structures/utilities within them.
- Replant native riparian zones. Restore bank stability, shading, and filtration with local species while controlling invasives.
- Keep crossings short and perpendicular where feasible. Minimize encroachment length; armor approaches and maintain cover at crossings.
- Require compensatory storage. Prohibit fill except for restoration; when unavoidable, provide compensatory storage greater than 1:1 (often 1.25–1.5:1) on-site or adjacent.
- Reserve access corridors. Dedicate maintenance/emergency access easements for inspections and maintenance removal.

Improved and Consistent Floodplain Modeling

Jurisdictions lacking current FEMA effective floodplain maps or that rely on outdated maps (pre-Atlas 14) should use the best available data (ex: Base Level Engineering floodplain) for regulation. Collaborative efforts with neighboring jurisdictions to develop updated floodplain models and maps using current rainfall, topography, and land use data are encouraged.

- **Recommendation:** Communities are encouraged to [Communities should] adopt and use best available data for regulatory purposes and invest in updated floodplain modeling.
- **Best Management Practices include**:
- Adopt a “best available data” policy. Where floodplain ordinances allow, regulate with BLE or locally refined models; document rationale/limits. Amend ordinances if needed to allow for adoption of best available data (other than FEMA effective data).
- Steward shared watershed models. Maintain HMS/SWMM–RAS models across jurisdictions with version control and metadata.
- Update rainfall and Intensity Duration Frequency (IDF) curves. Align local manuals/models with Atlas 14 rainfall and temporal patterns. Evaluate potential future changes if/when rainfall statistics are updated (Atlas 15).

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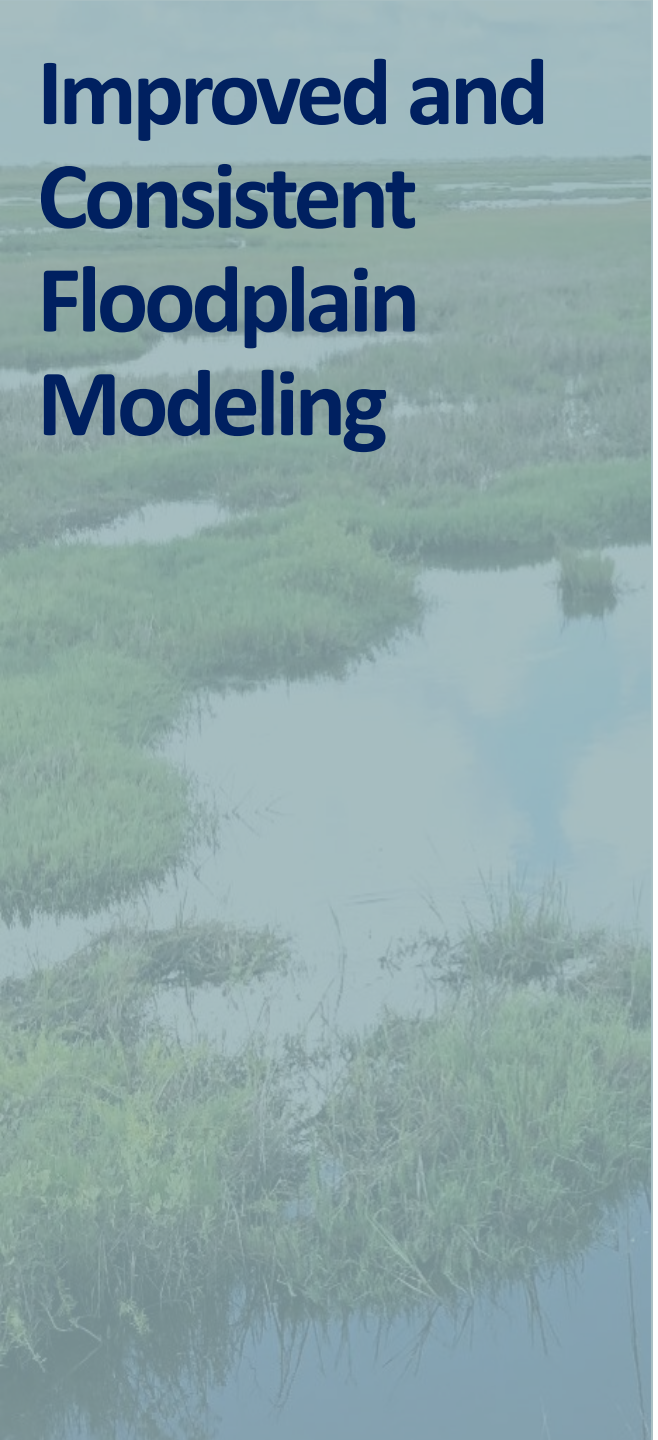
Improved and Consistent Floodplain Modeling



- **Best Management Practices include (continued)**:
- Model realistic tailwater. Use time-series boundary conditions (river/tide) and include pump/gate logic where relevant.
- Run sensitivity tests. Evaluate debris blockage and detention under-performance to reveal vulnerabilities.
- Calibrate to recent events. Compare modeled stages/flows to high-water marks and adjust losses/roughness; require peer review and quality assurance and quality control (QA/QC) checklists.
- Set remodel and remap triggers. Revisit models and maps when imperviousness or storage changes cross a defined threshold.

Low-Impact Development (LID) Practices

LID practices use conservation, land use planning, and resilient design to maintain a site's natural hydrology. These practices reduce runoff from development and improve water quality.

- **Recommendation:** Communities are encouraged to [Communities should] incorporate LID strategies into development codes and incentivize their use in both public and private projects.
- **Best Management Practices include**:
- Install bioretention/rain gardens. Use shallow vegetated cells to infiltrate and filter runoff in lots, streetscapes, and parking retrofits.
- Use permeable pavements. Apply pavers or porous asphalt/concrete with subsurface storage to detain and infiltrate rainfall.
- Harvest rainwater. Capture roof runoff for irrigation/graywater with controlled bypass and reuse.
- Encourage water-conserving landscaping methods such as using drought-tolerant plants, native plans, and xeriscaping.

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Low-Impact Development (LID) Practices

- **Best Management Practices include (continued)**:
- Combine compatible uses within one project. Design dual-purpose basins that provide detention and biofiltration, create stormwater parks that serve as greenspace most of the year and switch to detention/water-quality during storms, and upgrade low-water crossings using natural channel design to improve safety and conveyance.
- Restore soils. Decompact and amend soils to raise infiltration and reduce runoff coefficients.
- Grow urban canopy with soil cells. Provide structural soil volumes that store stormwater and support healthy trees.
- Disconnect downspouts. Route roof drains to pervious areas or LID cells to reduce effective impervious area.
- Deploy green roofs where suitable. Reduce peaks and thermal loading on flat roofs while adding amenity space

Higher Standards

Adopting floodplain management regulations that exceed FEMA's minimum standards is one of the most effective ways to reduce flood risk for both new and redeveloped areas. Enhanced standards such as additional freeboard above base flood elevation and more stringent development restrictions are already in place in approximately **45%** of communities within the Guadalupe Flood Planning Region.

- **Recommendation:** Communities are encouraged to [Communities should] adopt higher regulatory standards to improve resilience and reduce long-term flood risk.
- **Best Management Practices include**:
- Participate in the Community Rating System (CRS) program.
- Freeboard. Minimum extra height (ex: +2 feet) above the minimum FEMA BFE. Requirements vary across the region but typically range from 1 to 2 feet. Resources such as the American Society of Civil Engineers encourage jurisdictions to adopt risk-based standards like ASCE 24-24.
- Cumulative substantial improvement/damage. Track improvements over a rolling window (e.g., 10 years) toward the 50% threshold to drive full compliance.
- Critical facility siting & protection. Locate outside SFHA; if unavoidable, elevate, dry-floodproof non-habitable areas, and protect access routes.

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Higher Standards

- **Best Management Practices include (continued)**:
- Compensatory storage. Require ≥ 1:1 (often 1.25–1.5:1) storage replacement for any unavoidable fill in floodplain fringe.
- Floodway/zero-rise policy. Prohibit encroachments that increase modeled flood elevations; require 2D review for complex sections.
- No basements in SFHA; fill limits. Prevent entrapment and buoyancy issues; restrict use of fill as the sole protection method.
- Utility elevation and service continuity. Elevate/equip MEP systems above freeboard and provide backflow prevention and quick-connects for temporary pumps.
- Drainage “no adverse impact” standard. Codify multi-event checks for flow, stage, and duration at downstream key points.
- CLOMR/LOMR peer review. Require third-party technical review before submittal and prior to as-built acceptance.

Task 10: Public Participation and Plan Adoption

Public Comments via comments@guadaluperfpg.org Since November 4, 2025 and at the November RFPG Meeeting

Topic	Comment
New warning systems being installed	There is a new warning system developed by a company called River Sentry. This warning system is similar to a 9-foot-tall fence post with flow sensors at the base and alarms and lights built into the top. These are being installed at several summer camps along or near the Guadalupe River starting in December 2025.
Voluntary buyouts	The Great Springs Project is working to secure resources to support voluntary buyouts, including within Region 11.
Question about registering for public meetings	There was a question confirming that public meetings are open to the public, specifically the meeting on November 12, 2025, and whether the public should register beforehand. The response confirmed that the November 12, 2025, meeting was open to the public and that there is no requirement to register before attending.
Request that emails for public meetings provide at least one week's notice	There was a request that emails for public meetings provide at least one week's notice. The response noted the request and provided the anticipated date for the next meeting, as well as other resources for tracking upcoming meetings. The commenter's email address was also added to the distribution list so they would receive future emails directly.

Look Ahead
(may vary)

Meeting	Milestones / Goals
January 2026	Submit Task 4B Technical Memo (due January 7, 2026) Task 3A: Review and Discuss (Possible Action) Tasks 4C/5B: review and Discuss (Possible Action)
March 2026	Tasks 4C/5B: Final Action (if needed) TWDB Nature Based Design Manual Submit Task 5B: Rec List of FMEs for TWDB to do (March 26, 2026)
TBD	

Agenda Item 11

Discussion on future meeting dates for 2026

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Agenda Item 12

Consider date and agenda items for next meeting

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Agenda Item 13

Public general comments – limit 3 minutes per person

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Agenda Item 14

Adjourn

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