



Region 11: Guadalupe Regional Flood Planning Group Meeting

Wednesday, April 5, 2023
2:00pm

Agenda Item 1

Call to Order

1. Attendance
2. Individuals attending in-person, please sign-in

Agenda Item 2

Welcome

Agenda Item 3

Approval of Meeting Minutes

1. Approval of meeting minutes from January 4, 2023 Region 11 RFPG Meeting.

Meeting Minutes
Region 11 Guadalupe Regional Flood Planning Group Meeting
January 4, 2023 at 2:00 PM

Guadalupe-Blanco River Authority River Annex (905 Nolan Street, Seguin, TX 78155)

Roll Call:

<u>Voting Member</u>	<u>Interest Category</u>	<u>Present (x) / Absent () / Alternate Present (*)</u>
Doug Miller Melissa Reynolds*	<i>Agricultural</i>	X
John Johnston	<i>Counties</i>	X
Lon Shell	<i>Counties</i>	X (arrived at 2:05pm)
Bobby Christmas	<i>Electric Generating Utilities</i>	X
Annalisa Peace Bill Barker*	<i>Environmental</i>	X
Doug Sethness Jennifer Urban*	<i>Flood districts</i>	*
Kevin Stone	<i>Industries</i>	
Joseph Pantalion John Espinoza*	<i>Municipalities</i>	X
Ken Gill	<i>Municipalities</i>	X
Dr. Kimberly Meitzen	<i>Public</i>	X
R. Brian Perkins Charlie Hickman*	<i>River Authorities</i>	X
Tara Bushnoe	<i>River Authorities</i>	X
Gian Villarreal Tami Norton*	<i>Small Business</i>	X
Ronald (Ron) Fieseler Ben Eldridge*	<i>Water Districts</i>	X
Steven Fonville	<i>Water Utilities</i>	X

<u>Non-voting Member</u>	<u>Agency</u>	<u>Present(x)/Absent() / Alternate Present (*)</u>
Sue Reilly Beth Bendik*	Texas Parks and Wildlife Department	X
Hollie Hischer Bierbauer	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
Ryke Moore	Texas Water Development Board (TWDB)	X
Joel Klumpp	Texas Commission on Environmental Quality	
Don Durden	Public	X
Doris Cooksey	Region 12 Liaison	X
Patrick Brzozowski Scott Hartl*	Region 10 Liaison	

Quorum:

Quorum: **Yes**

Number of voting members or alternates representing voting members present: **14**

Number required for quorum per current voting positions of 15: **8**

Other Meeting Attendees:

Lauren Willis, GBRA (Facilitator)

Ram Mendoza, GBRA (IT)

Jay Scanlon, Freese & Nichols, Inc.

Adam Conner, Freese & Nichols, Inc.

Velma Danielson, Blanton & Associates

James Blount, TDEM

Joyce Yannuzzi, Senator Campbell's Office

Tim Crow, City of Gonzales

Kathy Roecker, City of Kyle

Christopher Willis, City of New Braunfels

Kelly Fuller, Guadalupe County

Sarah Weber, Doucet Engineers

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

AGENDA ITEM NO. 1: Call to Order

Chairman Miller called the meeting to order at 2:00 PM. Lauren Willis called roll of the planning group members to record attendance and a quorum was established.

AGENDA ITEM NO. 2: Welcome

Chairman Miller welcomed members to the meeting.

AGENDA ITEM NO. 3: Approval of minutes from the December 7, 2022 Region 11 RFPG Meeting.

Chairman Miller opened discussion on approving the minutes from the December 7, 2022 Region 11 RFPG Meeting.

A motion was made Ron Fieseler to approve the December 7, 2022 Region 11 RFPG Meeting minutes. Brian Perkins seconded the motion. The meeting minutes were approved by consensus.

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

Chairman Miller did not have any updates for the RFPG.

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

Ryke Moore reviewed the following items: (1) TWDB is looking forward to receiving the final plan by January 10th and (2) TWDB staff is reviewing the invoice submitted.

AGENDA ITEM NO. 6: Guadalupe Region 11 RFPG Sponsor Guadalupe-Blanco River Authority (GBRA) Updates

Lauren Willis reviewed the updates made to the Resources tab on the [guadalupeRFPG.org](http://www.guadalupeRFPG.org) website and stated that about \$12,000 from GBRA will be moved over to the technical consultant for Task 12.

AGENDA ITEM NO. 7: Discussion and potential action regarding the solicitation to fill the vacant voting position in the River Authorities interest category.

Lauren Willis reviewed the one application received for the River Authorities position.

Chairman Miller opened discussion of nominating Tara Bushnoe from the Upper Guadalupe River Authority (UGRA). A motion was made by Kimberly Meitzen to appoint Tara Bushnoe to the open River Authorities position. Bobby Christmas seconded the motion. The motion was approved by consensus.

AGENDA ITEM NO. 8: Consider nominating and potential action electing RFPG Officers for 2023 (Chair, Vice Chair, Secretary and two members-at-large).

Chairman Miller opened the floor to discussion and reviewed the individuals currently holding the RFPG Officers positions.

A motion was made by Jennifer Urban to re-nominate and elect the officers currently serving as Chair, Vice Chair, Secretary and two members-at-large. Lon Shell seconded the motion. The motion was approved by consensus.

AGENDA ITEM NO. 9: Discussion and potential action regarding Region 11 RFPG Technical Consultants work and schedule.

Jay Scanlon overviewed the agenda, reviewed the comments received by the public on the draft, and reviewed the Look Ahead calendar.

a. Discussion and potential action approving additional recommendations to Chapter 8: Legislative, Administrative, and Regulatory Recommendations.

Jay Scanlon reviewed the updates to Chapter 8 previously discussed at the December 7, 2022 meeting. No action was taken.

b. Discussion and potential action adopting the Final Guadalupe Regional Flood Plan approving for submittal to the TWDB by January 10, 2023.

Chairman Miller opened the floor to discussion.

A motion was made by Ken Gill to adopt and approve the submittal of the Final Guadalupe Regional Flood Plan by January 10, 2023 to the TWDB. Brian Perkins seconded the motion. The vote passed by a vote of 14 Ayes, 0 Nays.

AGENDA ITEM NO.10: Consider date and agenda items for next meeting

The next meeting will be held on Wednesday, February 1, 2023 at 2pm at the GBRA River Annex – 905 Nolan Street, Seguin, TX 78155. There will not be a meeting held in March.

AGENDA ITEM NO. 11: Public General comments (Public comments limited to 3 minutes per speaker)

Ron Fieseler gave an update on the Region 10 Lower Colorado Flood Planning Group and Doris Cooksey gave an update on the Region 12 San Antonio Flood Planning Group.

AGENDA ITEM NO. 12: Adjourn

Brian Perkins made a motion to adjourn. The motion was seconded by Lon Shell. The motion passed by unanimous consent.

The meeting adjourned at 2:24PM by Doug Miller.

Approved by the Region 11 Guadalupe RFPG at a meeting held on April 5, 2023.

Brian Perkins, SECRETARY

Doug Miller, CHAIR

Region 11 Guadalupe RFPG Chair Updates

Agenda Item 4

Texas Water Development Board Updates

Agenda Item 5

Agenda Item 6

Guadalupe Region 11 RFPG Sponsor – GBRA
Updates

Agenda Item 7

Presentations

A. Texas General Land Office (GLO) Funding and Ongoing Studies Update



CDBG-MIT Grant and Ongoing Studies Update

Texas General Land Office • Commissioner Dawn Buckingham, M.D.

What Does the GLO Do?

- Manages state owned land and mineral rights
 - State Map Archives
- Manages Texas beaches and state tidelands out to 3 leagues (10.35 statute miles) from the high tide mark.
- Manages the Permanent University Fund and Permanent School Fund
- The Veterans Land Board and Veterans Cemeteries
- State's agent for HUD Community Development Block Grant - Disaster Recovery and Mitigation Funds

Texas General Land Office
Commissioner Dawn Buckingham, M.D.



CDBG-DR/MIT Grants

- For each grant HUD publishes a set of regulations in the Federal Register. They are different for each grant and often changed during the grant. In general, these grants must be spent to benefit Low to Moderate Income families, be tied back to a disaster event, cannot be spent to support general functions of government, and have a deadline, past which the funds are no longer available.
- We currently have a grant portfolio of \$13.7B of which \$7.34B is remaining. Almost all of these funds are contracted or obligated to a subrecipient.
- The portfolio is divided among 10 Grants, 1 of which is just beginning, 2 are beginning to mature, 3 are at the midpoint of their cycle, 3 are about to enter the funds reallocation phase and 1 is beginning to close out



Mitigation Grant

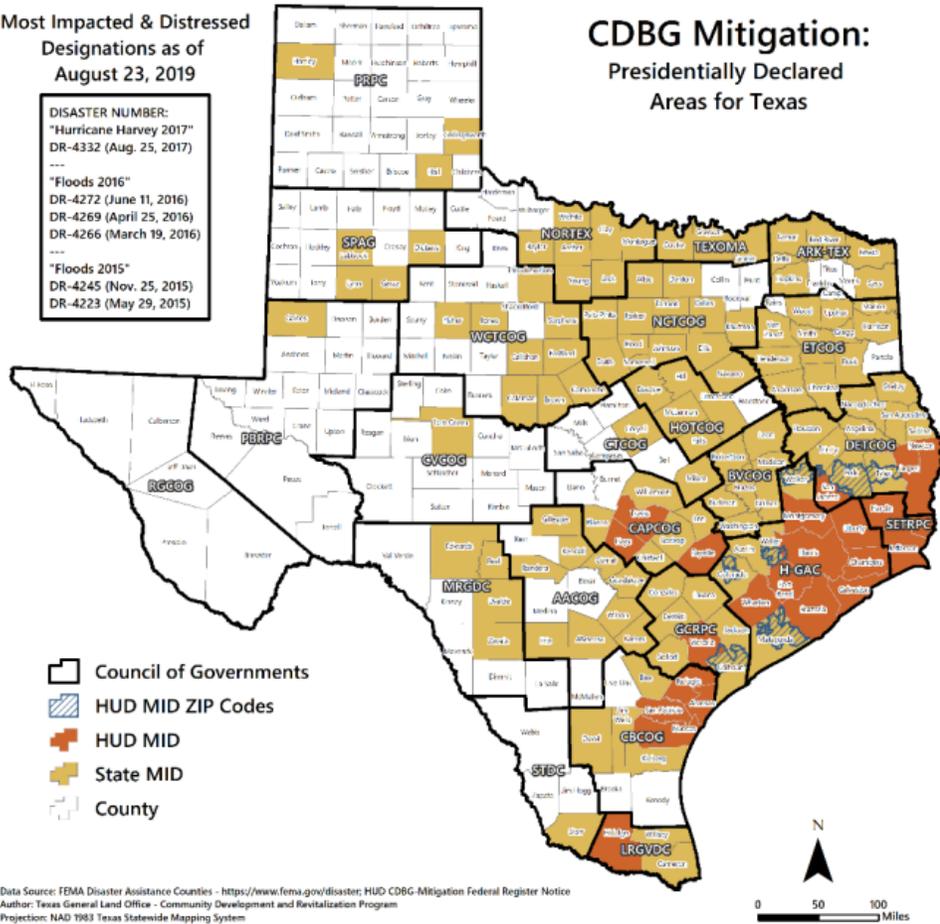
Most Impacted & Distressed Designations as of August 23, 2019

DISASTER NUMBER:
 "Hurricane Harvey 2017"
 DR-4332 (Aug. 25, 2017)

 "Floods 2016"
 DR-4272 (June 11, 2016)
 DR-4269 (April 25, 2016)
 DR-4266 (March 19, 2016)

 "Floods 2015"
 DR-4245 (Nov. 25, 2015)
 DR-4223 (May 29, 2015)

CDBG Mitigation:
 Presidentially Declared
 Areas for Texas



- Allows for mitigating of future disaster damage but must reach back to counties or Zip codes federal declared for individual assistance, and address issues from, the 2015 Flood (Memorial Day) 2016 Flood (Labor Day), Hurricane Harvey and the 2018 South Texas floods
- 140 Counties and 8 additional Zip codes are eligible
- Some counties are designated HUD most impacted, and some are designated State most impacted
 - Most impacted designation effects allocations of funds
- Total grant is \$4,301,841,000 but it is broken down by disaster
- The Mitigation Grant has \$4,085,564,931 remaining, almost all of it is allocated or contracted to projects

Website: <https://recovery.texas.gov/>

Email: cdr@recovery.texas.gov

Texas General Land Office
 Commissioner Dawn Buckingham, M.D.



Mitigation Grant Allocation

- These funds must be 50% spent and reimbursed to the state by HUD no later than December 1, 2027, and 100% spent and reimbursed by December 1, 2033
- Some programs are nearing their completion and remaining funds can be reallocated
- Resilient Communities Program and Local Hazard Mitigation Plan Program are taking applications

Programs	HUD Most Impacted and Distressed	State Most Impacted and Distressed	Total Allocation
2015 Floods State Mitigation Competition	\$23,048,475.00	\$23,048,475.00	\$46,096,950.00
2016 Floods State Mitigation Competition	\$74,648,350.68	\$74,648,350.68	\$149,296,701.36
Hurricane Harvey State Mitigation Competition	\$492,261,589.49	\$483,443,227.62	\$975,704,817.11
2018 South Texas Floods State Mitigation Competition	\$2,023,620.00	\$2,023,620.00	\$4,047,240.00
Harris County Mitigation Method of Distribution	\$750,000,000.00	-	\$750,000,000.00
Regional Mitigation Program (COG MOD)	\$933,597,000.00	\$233,400,000.00	\$1,166,997,000.00
HMGP: Supplemental	\$50,000,000.00	\$50,000,000.00	\$100,000,000.00
Coastal Resiliency Program	\$20,459,731.00	-	\$20,459,731.00
Housing Oversubscription Supplemental	\$320,000,000.00	\$80,000,000.00	\$400,000,000.00
Resilient Home Program	\$80,000,000.00	\$20,000,000.00	\$100,000,000.00
State Project Delivery	\$64,527,615.00	\$64,527,615.00	\$129,055,230.00
Hazard Mitigation Plans	\$15,000,000.00	\$15,000,000.00	\$30,000,000.00
Resilient Communities Program	\$50,000,000.00	\$50,000,000.00	\$100,000,000.00
Regional and State Planning	\$57,545,640.27	\$57,545,640.26	\$115,091,280.53
State Administration	\$107,546,025.00	\$107,546,025.00	\$215,092,050.00
Total	\$3,040,658,046.44	\$1,261,182,953.56	\$4,301,841,000.00





Questions?

Texas General Land Office
Commissioner Dawn Buckingham, M.D.



Agenda Item 8

Discussion regarding Region 11 RFPG Technical Consultants work and schedule.

A. Discussion and potential action approving additional recommendations to Chapter 8: Legislative, Administrative, and Regulatory Recommendations.

B. Discussion on proposed methods for ranking recommended flood projects in the state flood plan.

C. Discussion on use of funds in Task 12 and/or Task 13 to enhance Flood Management Evaluations (FMEs) and Flood Mitigation Projects (FMPs) in the Final plan.



Region 11 Guadalupe

Regional Flood Planning Group Meeting

April 5, 2023

Item 8



Agenda

Comments from the Public

Updates / Ongoing Activities

Revised Chapter 8 recommendations*

Look Ahead



Public Comments Received via comments@guadalupefpg.org for January 5, 2023 through April 4, 2023

Public Comments

Topic	Comment
Additional Comment on the draft plan	National Wildlife Federation – Informed that they submitted their comments on the draft plan by the deadline of October 7 th and not after. <i>(corrected in the Final Plan)</i>
Appreciation	Hill Country Alliance and Texas Parks and Wildlife were among some that thanked the RFPG team for sharing the location of the post of the Final Plan.
Seeking Confirmation	Kyle TX Councilperson asked for confirmation of February 1st meeting cancellation.
Data Inquiry	Citizen <i>(no contact information provided)</i> asked about gathering information about low water crossings in Texas – specifically the hazards and warnings needed about low water crossings.



Public Comments

Public Comments Received via comments@guadalupefpg.org for January 5th through January 27th, 2023

Topic	Comment
Additional Comment on the Draft Plan	National Wildlife Federation – Informed that they submitted their comments on the draft plan by the deadline of October 7 th and not after. <i>(corrected in the Final Plan)</i>



Updates

Texas Disaster Information System (TDIS) Model Management System – upload before March 2023

Task 12 FMEs Underway

Potential Additional FMXs
Collating and will begin outreach



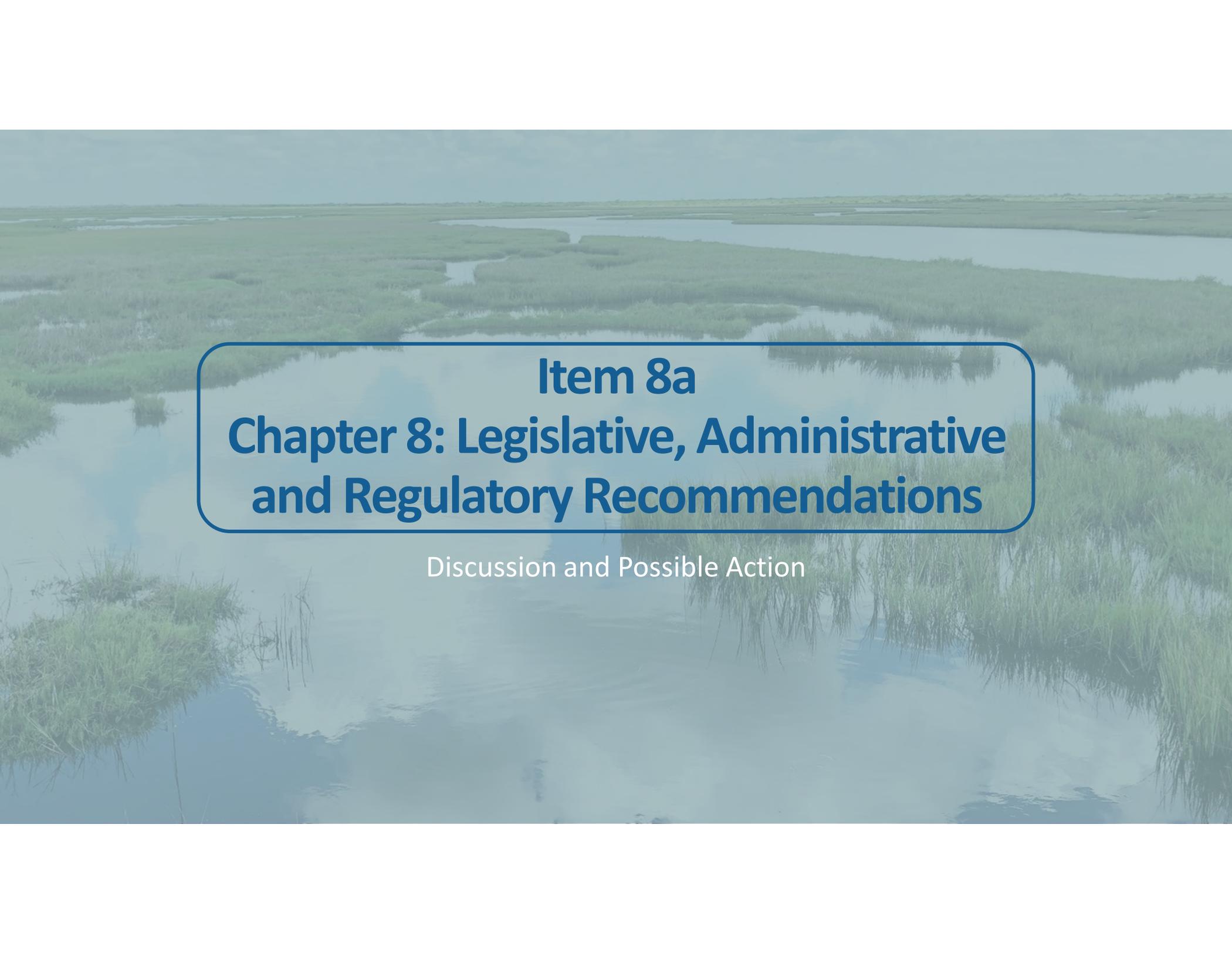
**Potential
Additional
FMXs
(future
consideration)**

Name
Assessment of Flood Mitigation and Performance of Nature-based Solutions (Verify eligible Sponsor and data)
GIS Modeling of Significant Karst Areas for Purchase Protection (Verify eligible Sponsor and data)
Caldwell County - Future FMPs (Potential FMPs resulting from ongoing study – potential > 20)
Victoria County Floodplain Study/Modification (Possible FME from public comment – Need to verify eligible Sponsor)
Guadalupe River Channel Cleanup (Possible FME from public comment – Need to verify eligible Sponsor)



**Potential
Additional
FMXs
(future
consideration)**

Name
Cypress Creek Regional Detention (Possible FMP resulting from ongoing study)
City of New Braunfels – Future FMPs (Potential FMPs resulting from ongoing study*)



Item 8a
**Chapter 8: Legislative, Administrative
and Regulatory Recommendations**

Discussion and Possible Action



Chapter 8 – Additional Recommend- ations for Consideration

- Suggestions received during public review of the Draft Regional Flood Plan
- Limited time for discussion
 - Focused on Legislative Recommendations
 - Future consideration of Regulatory and Administrative
- Posted for potential action, but not required
 - Several could be recommendations the RFPG adopts for itself to address in the next cycle, or
 - Pass to TWDB for consideration (consistency across Plans)



Chapter 8 – Additional Recommend- ations for Consideration

Recommendation Type	Potential Recommendation
#1 Regulatory <i>RFPG or TWDB</i>	Hydraulic Modeling: Require the use of Manning's n-values and channel conditions that would be likely if a channel or project is not maintained.
#2 Regulatory <i>RFPG or TWDB</i>	Hydrologic Modeling: Require the use of ultimate development land use conditions in the development of future flows for regulation of floodplains and development of FMPs.
#3 Administrative <i>TWDB</i>	Encourage the use of storm shifting to validate 100-yr (1% AEP) storm estimates and to provide a broader understanding of flood risk.



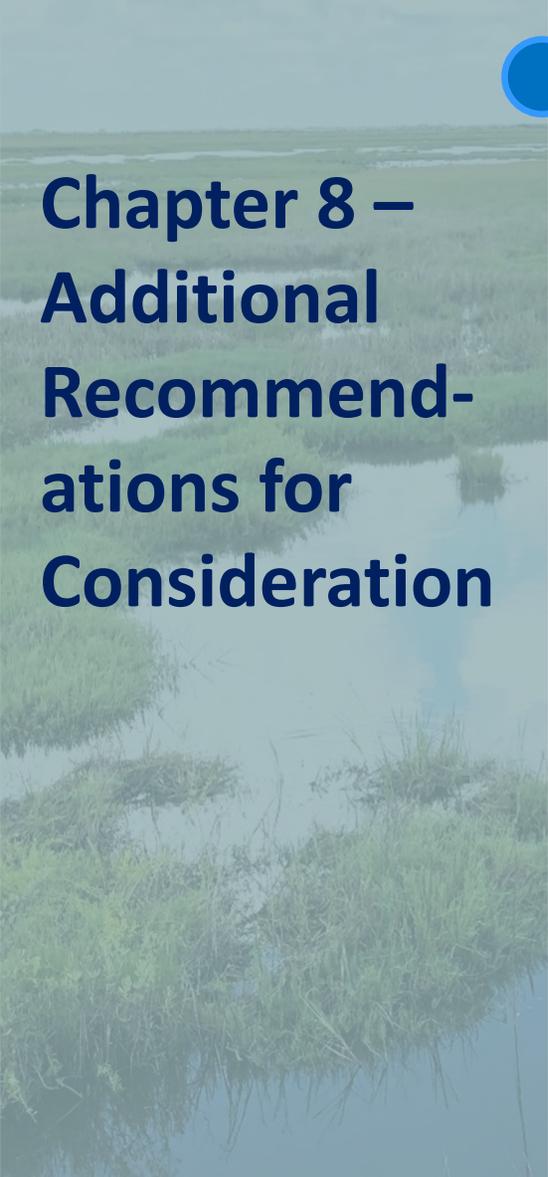
Chapter 8 – Additional Recommend- ations for Consideration

Recommendation Type	Potential Recommendation
#4 Administrative <i>TWDB</i>	Increase funding for Nature Based Solutions and reduce hurdles to their incorporation into the Regional Flood Plans by: Increased training on accurate BCAs; Improving modeling methods; Expanding “negative impacts” to include environmental resources; Incentivize collaboration/prioritization of NBS
#5 Administrative <i>TWDB</i>	Ensure TWBD’s BCR tool includes Social and environmental benefits; Reduced negative environmental impacts; as well as damage reduction



Chapter 8 – Additional Recommend- ations for Consideration

Recommendation Type	Potential Recommendation
#6 Administrative <i>TWDB</i>	Recognize impacts of land development codes and development have on flooding: Educate counties on floodplain management authority (8.1.11); Promote and fund NBS; consider policy changes to allow Counties or Groundwater Conservation Districts to protect aquifer storage and recovery features (karst, fracture zones, sinkholes); Partner with other agencies to incorporate flood considerations (e.g. TxDOT)



Chapter 8 – Additional Recommend- ations for Consideration

Recommendation Type	Potential Recommendation
#7 Legislative	Fund a Texas Water Initiative similar to Louisiana's with a robust program on use and adoption of NBS
#8 Administrative <i>TWDB</i>	Fund training and technical resources to advance understanding and adoption of NBS and best practices for maintaining floodplains and other natural mitigation features* (very similar w/#4)
#9 Administrative <i>TWDB</i>	Utilize all available state and federal programs to prioritize the preservation and restoration of natural flood mitigation features.



Chapter 8 – Additional Recommend- ations for Consideration

Recommendation Type	Potential Recommendation
#10 Administrative <i>RFPG or TWDB</i>	Review submitted FMEs, FMPs, and FMSs to determine feasibility to augment with NBS aspects.
#11 Administrative <i>RFPG or TWDB</i>	Refine ‘future conditions analysis’ to better incorporate climate change*
#12 Regulatory <i>RFPG</i>	Incorporate additional/higher floodplain management standards* (8.1.2)



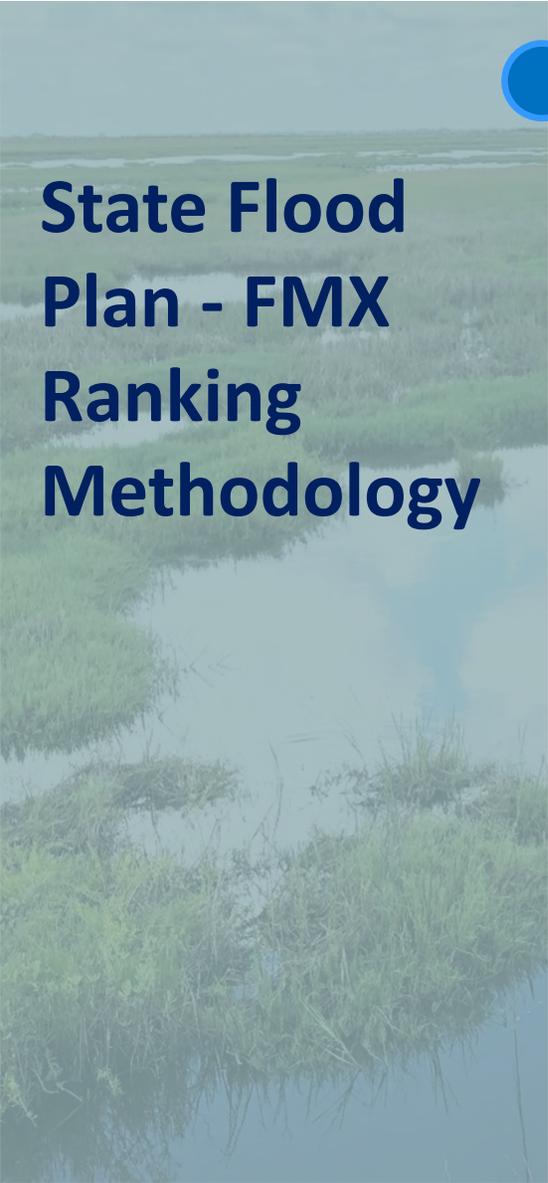
Chapter 8 – Additional Recommend- ations for Consideration

Recommendation Type	Potential Recommendation
#13 Administrative <i>RFPG or TWDB</i>	Refine assessment and identification of flood mitigation needs to include additional “critical facilities” such as industrial facilities, superfund sites, or other similar facilities that may pose a high risk to surrounding communities.*
#14 Administrative <i>RFPG</i>	RFPG should consider means to increase participation by using a combination of in-person and virtual activities/meetings.
#15 Administrative <i>RFPG or TWDB</i>	Refine “no negative impact” to include no impact to natural infrastructure.*



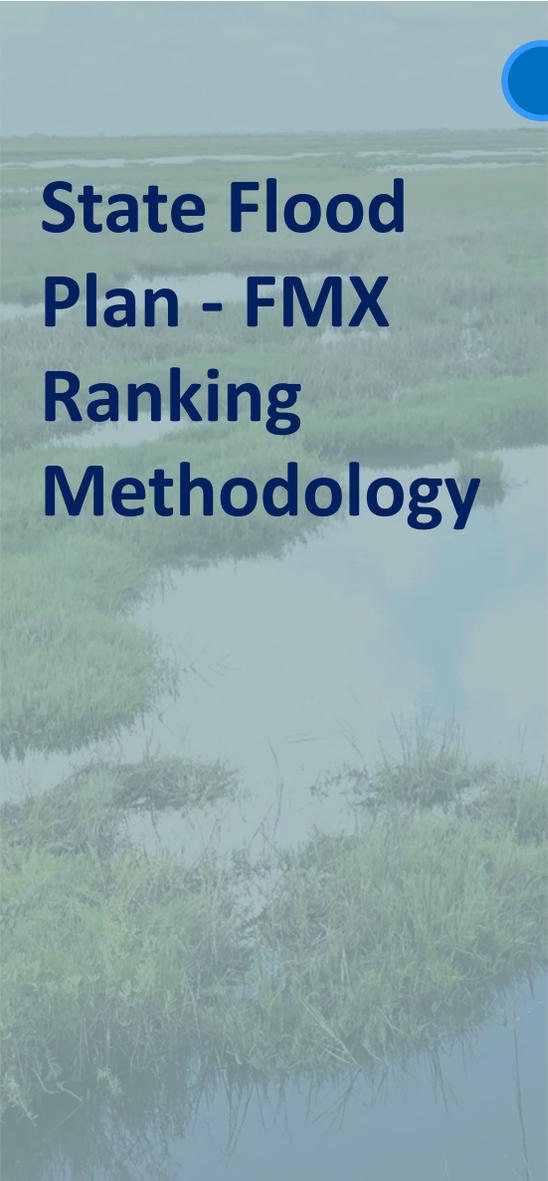
Item 8 State Flood Plan FMX Ranking

Discussion



State Flood Plan - FMX Ranking Methodology

- Statute and rules require TWDB to include a ranked list of FMXs in the State Flood Plan
- Ranking IS:
 - Intended to identify areas with worst existing risk of flooding, identify solutions that reduce most risk to life and property.
- Ranking IS NOT:
 - A method for allocating state funding. Future state funding prioritization will be determined via a separate process. It is anticipated that ranking will be one of the multiple factors considered in funding prioritization.



State Flood Plan - FMX Ranking Methodology

- TWDB provided –
 - [Supporting Information](#)
 - [Proposed Ranking Criteria and Weight](#)
 - [Flood Management Evaluations \(FME\) Workbook](#)
 - [Flood Mitigation Projects \(FMP\) Workbook](#)
 - [Flood Management Solutions \(FMS\) Workbook](#)
- Feedback requested via [ONLINE FEEDBACK FORM](#) due 4/14.

State Flood Plan - FME Ranking Methodology

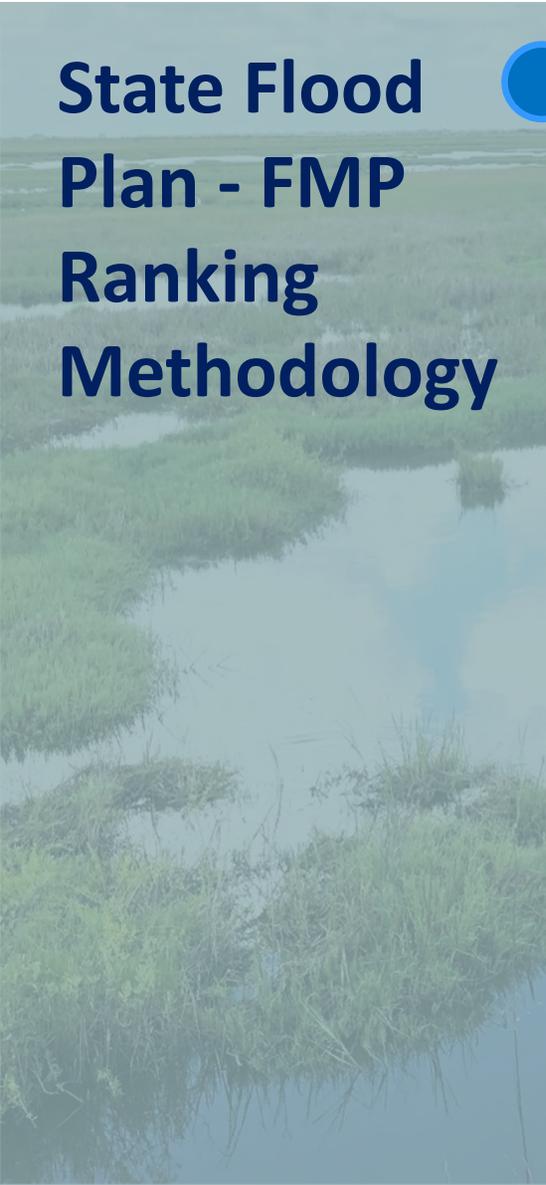
ID	Name	Rank
111000108	GBRA FEMA Cooperating Technical Partners (CTP) Modeling and Mapping	28
111000109	Guadalupe County Drainage Improvements Study	101
111000110	Guadalupe County Voluntary Buyout Program Project Planning	101
111000111	Guadalupe County LWC Project Planning	101
111000122	Kerr County Center Point Storm Drainage Infrastructure Project Planning	108
111000123	Kerr County Dam Integrity Study	108
111000127	Upper Guadalupe River Authority Evaluation of Water and Sediment Control Facilities	108
111000112	Hays County Dam Inundation Maps	113
111000113	Hays County Harden Critical Infrastructure Project Planning	113
111000118	Hays County Community Flood Mitigation Project Planning	113
111000096	Comal County Evacuation and Dam Safety Plan	162
111000097	Comal County Low Water Crossing Improvements Project Planning	162
111000098	Comal County Voluntary Buyout Program Project Planning	162
111000099	Comal County Retention Dam Project Planning	162
111000107	Gonzales County Voluntary Buyout Program Project Planning	224
111000128	Victoria County Planning and Development Standards Study	252
111000129	Victoria County Drainage Improvements Study	252
111000130	Victoria County FIRMs	252
111000132	Victoria County Bridge Improvements Project Planning	252
111000133	Victoria County Voluntary Buyout Program Project Planning	252
111000124	Kerr ISD Storm Drainage Infrastructure Project Planning	290
111000054	City of San Marcos Regional Detention Study	328

- FME ranking criteria:
 - Structures, population, critical facilities, LWC, roads, and farm/ranch acres at 100-yr flood risk in FME area
- Region 11's highest ranking FMEs are basin or county-wide studies of various types
- Region 11's lowest ranking FMEs are municipality-sponsored project planning FMEs.

State Flood Plan - FME Ranking Methodology

111000007	Caldwell County Emergency Service District #4 Fire Station 2 Project Planning	2198
111000016	City of Flatonia WWTP Floodproofing Project Planning	2198
111000022	City of Kerrville Pinto Trail Project Planning	2198
111000026	City of Kerrville Hill Country Drive at SH 16 Project Planning	2198
111000029	City of Kerrville Circle Avenue Drainage Channel Project Planning	2198
111000030	City of Kerrville Jack Drive - Undersized Inlet Project Planning	2198
111000039	City of Mountain City Repetitive Loss Structure Mitigation Study	2198
111000047	City of New Braunfels Hunters Creek Regional Project Planning	2198
111000049	City of New Braunfels Dry Comal Creek West Watershed Project Planning	2198
111000088	City of Wimberley Green Acres Dr. at Fire Station Low Water Crossing Project Planning	2198
111000094	City of Wimberley Little Ranches at Panther Creek Low Water Crossing Project Planning	2198
111000095	City of Wimberley Hoots Holler Low Water Crossing Project Planning	2198
111000105	DeWitt County (City of Nordheim) Flash Flood Mitigation Project Planning	2198
111000131	Victoria County Drainage Improvements around County EOC Project Planning	2198
111000148	City of Kerrville Clay Street Drainage and Kroc Center Detention Pond Spillway Improvements	2198

Region	Average of FME
▼	Ranking ▼↑
14	577
4	769
9	906
6	917
2	1001
7	1047
3	1076
5	1079
1	1166
11	1181
8	1276
15	1480
13	1515
10	1521
12	1606



State Flood Plan - FMP Ranking Methodology

- FMP ranking criteria:
 - 60% Based on structures, population, critical facilities, LWC, roads, and farm/ranch acres removed from 100-yr floodplain
 - 2.5% percent NBS by cost
 - 2.5% BCR
 - 5% Water Supply Benefit (Y/N)
 - 30% Based on Project Details data on depth of flooding, flood risk reduction, life/safety, SVI, multiple benefits, environmental benefits, mobility
- Region 11's highest ranking FMPs are large-scale projects with high-risk reduction benefits quantified.
- Region 11's lowest ranking FMPs are non-structural projects like generators, warning systems.

State Flood Plan - FMP Ranking Methodology

ID	Name	Rank
113000067	City of Victoria Channel and Bridge Modifications on State Highway 87 P	24
113000026	Purgatory Creek Channel Improvement	26
113000044	Regional Detention on Bear Creek	40
113000065	City of Seguin Regional Detention Southwest of Seguin City Limits Project	45
113000066	City of Seguin - Culvert Improvements at Guadalupe River Drive Project	51
113000068	City of Victoria Detention Structure Located Upstream of State Highway	52
113000069	Guadalupe County Detention on York Creek Project	53
113000037	Baldrige Creek Channel and Culvert Improvement and Detention Pond	57
113000036	Baldrige Creek Regional Detention Pond	67
113000001	Detention on the Blanco River	79
113000040	Regional Detention South of Mountain Crest Drive	81
113000039	Wilson Creek - Green Acres Dr. Improvement	91
113000047	Regional Detention on Peach Creek	92
113000010	65ft Channel Modification and Additional Culvert	94
113000011	Plum Creek Detention Pond Upstream of IH35	107
113000006	Plum Creek Tributary 3 Arbor Knot Dr. Improvement	108
113000027	Sherwood/Kingwood Drainage Improvements	109
113000007	Plum Creek Tributary 4 Sledge Rd. Improvement	113
113000062	City of Nixon-Wastewater System Flood Improvements	120
113000041	Improvements to Brookside Drive Culvert Crossing	138
113000042	Brookhollow Drive Drainage Improvements	160
113000063	City of San Marcos-Emergency Generators	180
113000052	Kerr County Back-up Power Generators	180
113000064	Victoria County-Emergency Generators	180
113000015	Improve Flood Warning Systems	186
113000061	City of Buda-Lifschutz Headwaters Voluntary Buyout	187
113000060	City of Victoria Back-up Power Generators	188
113000035	Guadalupe Street Automatic Flood Gates	188

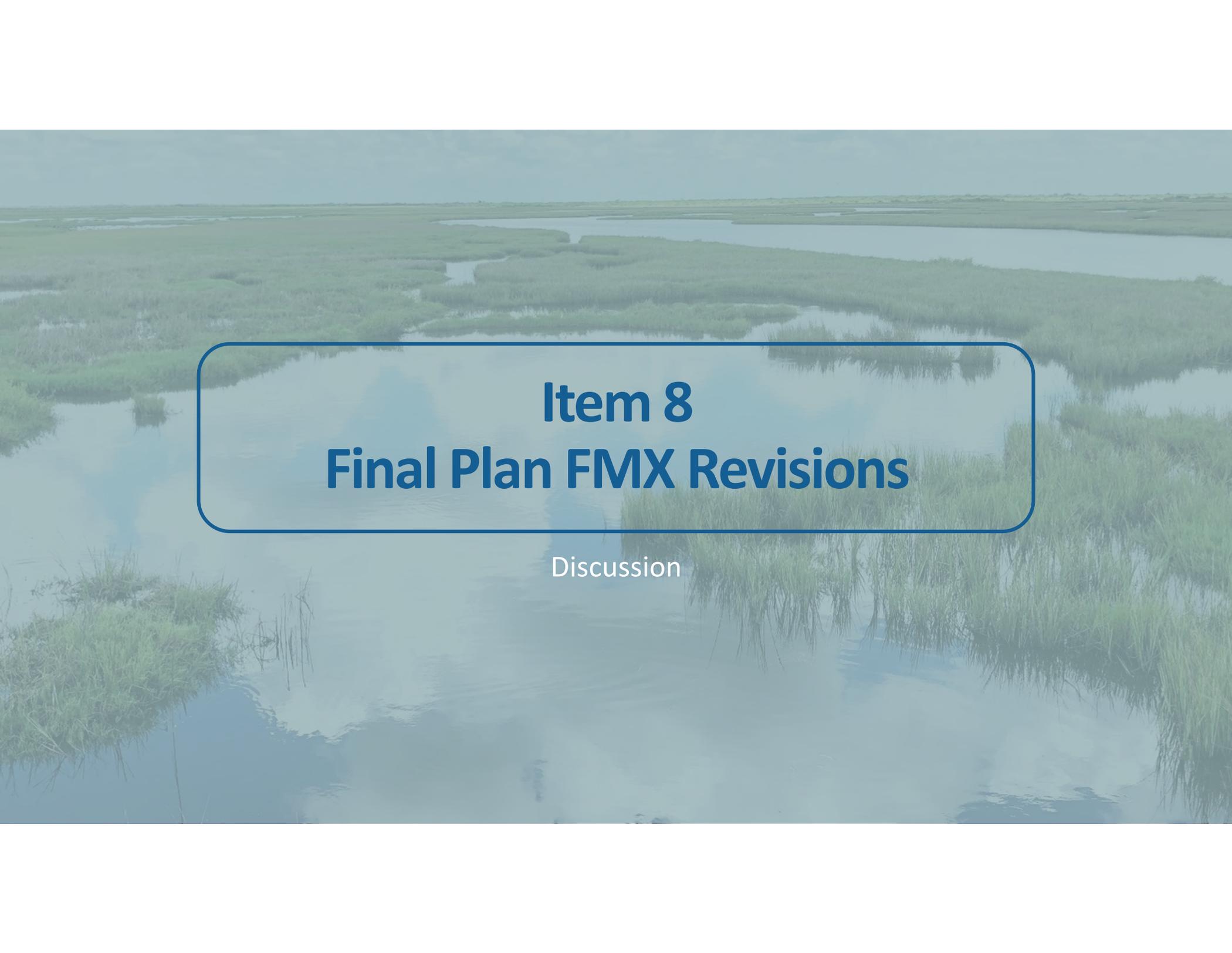
Region	Average of FMP Rank
1	27
3	49
15	66
12	67
4	69
14	76
5	102
10	105
11	107
6	109
8	153
9	153
2	190
7	191

State Flood Plan - FMS Ranking Methodology



- FMS ranking criteria:
 - 65% Based on structures, population, critical facilities, LWC, roads, and farm/ranch acres at risk in FME area
 - 20% Based on structures, population removed from 100-yr floodplain
 - 5% percent NBS by cost
 - 10% Water Supply Benefit (Y/N)
- Region 11's 5 FMSs (region-wide) tied at Rank #8.

ID	Name	Rank
112000186	Education and Outreach	8
112000187	Property Acquisitions and Structural Elevation	8
112000188	Regulatory and Guidance	8
112000189	Flood Measurement and Warning	8
112000190	Infrastructure Projects	8



Item 8

Final Plan FMX Revisions

Discussion

Proposal:

Review all final plan FMEs and adjust, as necessary, to ensure each polygon is representative of study area vs project area.

Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend? Yes Reason for Recommendation

Study Details

Study type

Study description

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes

County Watershed HUC# (if known)

Drainage area (Square miles, est.) Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures Critical facilities

Flood risk type: Riverine? No Coastal? No Local? No Playa? No Other? No

Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

Estimated Cost and Funding Availability

Total Cost Amount of Available Funding Federal funding availability No

Funding source



Proposal:

Review all FMPs and add in missing data, where possible.

Flood Mitigation Project (FMP)



Title **Regional Detention on Peach Creek**

ID# **113000047** Sponsor **Gonzales (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

A 29 ft. high dam with a length of 5780 ft. would provide approximately 41,774 ac-ft of storage. This site would be able to store a large volume of water and greatly reduce the peak from the Peach Creek watershed.

Watershed HUC# (if known) **12100202** Emergency Need? **No**

Drainage area (mi² est.) **313**

Associated FME's **-** County **Gonzales**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **Yes** Local? **No** Playa? **No** Other? **No**

Population at risk **6,140** # of structures **3,965** Critical facilities **71**

Farm/Ranch land impacted (acres) **65,348** Roadway(s) impacted (length) **157**

Number of low water crossings **12** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **34** # of structures removed from 100-yr **12**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **0**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

Impacts

Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$7,821,000** % Nature-Based **0** BCR **1**

Recurring costs **3900** Issues **Cost of land acquisition is not included**





Look Ahead

Meeting	Milestone Goals
May	Task 12 and 13 Updates Possible action to include additional FMXs
June	Draft/Final Changes to Amended Regional Flood Plan
July	July 14 Amended Regional Flood Plan due to TWDB

Agenda Item 9

Consider date and agenda items for next meeting

Wednesday, May 3rd at 2pm – GBRA, Seguin

Wednesday, June 27th at 2pm – GBRA, Seguin

Agenda Item 10

Public General Comments

Public Comments limited to 3 minutes per speaker

Agenda Item 11

Adjourn