

GBRA

Guadalupe-Blanco River Authority

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Region 11: Guadalupe Regional Flood Planning Group Meeting

Tuesday, June 27, 2023
2:00pm

Agenda Item 1

Call to Order

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

Welcome

Agenda Item 2

Agenda Item 3

Approval of Meeting Minutes

1. Approval of meeting minutes from May 3, 2023
Region 11 RFPG Meeting.

Meeting Minutes
Region 11 Guadalupe Regional Flood Planning Group Meeting
May 3, 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
Bobby Christmas	<i>Electric Generating Utilities</i>	
Annalisa Peace Bill Barker*	<i>Environmental</i>	X
Doug Sethness Jennifer Urban*	<i>Flood districts</i>	*
Vacant	<i>Industries</i>	
Joseph Pantalion John Espinoza*	<i>Municipalities</i>	*
Ken Gill	<i>Municipalities</i>	X
Dr. Kimberly Meitzen	<i>Public</i>	X
R. Brian Perkins Charlie Hickman*	<i>River Authorities</i>	
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	
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	
Ryke Moore	Texas Water Development Board (TWDB)	X
Joel Klumpp	Texas Commission on Environmental Quality	
Don Durden	Public	
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: **12**

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

Other Meeting Attendees:

Lauren Willis, GBRA (Facilitator)

Carl Westergard, GBRA (IT)

Jay Scanlon, Freese & Nichols, Inc.

Morgan White, Freese & Nichols, Inc.

Daniel Harris, Scheibe Consulting

Sarah Weber, Doucet

Velma Danielson, Blanton & Associates

Dennis Engelke, Caldwell County

Bill Barker, Great Springs Project

Jet Hays, TX GLO

James Blunt, TDEM

Kathy Roecker, City of Kyle

Mayor S.H. "Steve" Sucher

Carly Farmer, City of New Braunfels

Lawrence Spradley, City of New Braunfels

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

AGENDA ITEM NO. 1: Call to Order

Chairman Miller called the meeting to order at 2:04 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 April 5, 2023 Region 11 RFPG Meeting.

Chairman Miller opened discussion on approving the minutes from the April 5, 2023 Region 11 RFPG Meeting.

A motion was made Ken Gill to approve the April 5, 2023 Region 11 RFPG Meeting minutes John Johnston seconded the motion. The meeting minutes were approved by consensus.

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

Chairman Miller updated the RFPG on the following items.

- TWDB is working with the University of Texas at Austin to research and develop a flood-specific social vulnerability index (SVI) for Texas that considers and utilizes parameters applicable and relevant to flooding. The research team is seeking to interview flood experts and relevant stakeholders to help inform the SVI research model development and index construction. Dr. Kimberly Meitzen was recommended to the TWDB for the Guadalupe RFPG representative.
- Kevin Stone represented the Industries interest category and resigned from the RFPG. Industries are defined as corporations, partnerships, sole proprietorships, or other legal entities that are formed for the purpose of making a profit and that are not small business. The position will be posted on May 4th and open until Monday, June 5th.

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

Ryke Moore reviewed the following items: (1) the Guadalupe RFPG has a payment request in with TWDB, and (2) TWDB is soliciting stakeholder feedback on proposed rule changes until May 22, 2023.

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

Lauren Willis reviewed that Amendment No. 2 between FNI and GBRA was signed by GBRA and sent to FNI for signature.

AGENDA ITEM NO. 7: Discussion and potential action regarding administrative expenses to be submitted to the Texas Water Development Board for reimbursement.

Lauren Willis reviewed the administrative costs for FY23Q2 (December 1, 2022 – February 28, 2023).

A motion was made by Ron Fieseler to approve the administrative expenses for FY23Q2 for reimbursement. Tara Bushnoe seconded the motion. The vote passed by a vote of 12 Ayes, 0 Nays.

AGENDA ITEM NO. 8: Presentations: Texas General Land Office (GLO) Funding and Ongoing Studies Update

This presentation was made by Jet Hays with the Texas General Land Office (GLO).

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

Jay Scanlon with Freese & Nichols overviewed the agenda. Morgan White with Freese & Nichols reviewed the Texas Water Development Board Nature-based Solutions for Flood Mitigation Guidance Manual and other TWDB Research efforts.

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

Jay Scanlon led the discussion reviewing Chapter 8 additional recommendations for the following items.

1. Administrative 8.2.14. Hydraulic Modeling: Encourage communities to consider Manning's n-values and channel conditions that reflect anticipated conditions if a channel is not maintained.
2. Administrative 8.2.14. Encourage communities to use ultimate development land use conditions in the development of future flows and use the future flows to develop regulatory floodplains and future flood mitigation projects.
3. Administrative 8.2.14. Encourage communities to incorporate storm shifting to validate 100-year flow estimates. Hydrologic modeling has significant uncertainty.
4. Administrative 8.2.14. Encourage communities to require discussions of modeling variables/parameters and techniques within design reports.

5. Section 3.1.3 Consideration of Recommendation or Adoption of Minimum Floodplain Management Practices. The Guadalupe RFPG encourages Sponsors to review Chapter 8 to understand the types of standards that could be included such as adopting higher floodplain standards, modeling requirements, and consideration for the inclusion of nature-based solutions.
6. Section 3.2.1 Goal Development Process. The RFPG encourages Sponsors to review Chapter 8 and encourages consideration of nature-based solutions in development of potential future projects, TWDB educational, training, and guidance material, and how nature-based solutions factor into the evaluation of potential projects.
7. Administrative 8.2.15. TWDB should leverage available state and federal programs to prioritize the preservation and restoration of natural or pre-development hydrology.
8. Administrative 8.2.19. Review State-wide Flood Planning programs in other states to determine if there are any initiatives that would be appropriate to include in the Texas State Flood Planning process.
9. Administrative 8.2.16. TWDB should consider additional incentives to encourage the incorporation of nature-based solutions in flood mitigation projects.
10. Administrative 8.2.17. TWDB should evaluation the potential to use ongoing research projects to develop and provide a future flood hazard dataset to the Regional Flood Planning Groups for use in the second planning cycle.
11. Administrative 8.2.18. TWDB should review the list of critical facilities to determine if additional types (such a industrial facilities or superfund sites) should be included.

A motion was made by Lon Shell to approve the additional recommendations for Chapter 8. John Johnston seconded the motion. The motion passed by unanimous consent.

b. Discussion and potential action on recommending additional Flood Mitigation Actions in the Amended 2023 Guadalupe Regional Flood Plan.

Morgan White led the discussion reviewing the additional Flood Mitigation Actions.

1. Task 12 Flood Mitigation Evaluations (FME) to Flood Mitigation Projects (FMP)

FMP_ID	FMP_NAME
113000070	Victoria County Nursery Road LWC
113000071	Victoria County Parsons Road LWC
113000072	Comal County River Road LWC
113000085	City of Kerrville First Street Low Water Crossing
113000086	City of Kerrville Fourth Street Low Water Crossing
113000090	City of San Marcos McKie Street at Willow Springs Creek Improvements

A motion was made by John Johnston to approve the Task 12 FMEs to be changed to FMPs. Ken Gill seconded the motion. The motion passed by unanimous consent.

2. New Flood Mitigation Projects (FMPs) in response to Final Plan Public Comments

FMP_ID	FMP_NAME
113000070	Victoria County Nursery Road LWC
113000071	Victoria County Parsons Road LWC
113000072	Comal County River Road LWC
113000085	City of Kerrville First Street Low Water Crossing
113000086	City of Kerrville Fourth Street Low Water Crossing
113000090	City of San Marcos McKie Street at Willow Springs Creek Improvements

A motion was made by Ron Fieseler to approve the new FMPs in response to the Final Plan public comments. Steven Fonville seconded the motion. The motion passed by unanimous consent.

3. Caldwell County Flood Infrastructure Fund (FIF) Planning Study

FMP_ID	FMP_NAME
113000074	Caldwell County CR 141 @ Hines Branch
113000075	Caldwell County SH 80 Low Water Crossing Improvements @ Morrison Creek
113000076	Caldwell County Salt Branch Drainage Improvements in Luling
113000077	Caldwell County CR 233 and FM 2001 @ Plum Creek
113000078	Caldwell County Plum Creek Channel Improvements Near CR 227
113000079	Caldwell County Hemphill Creek Drainage Improvements Near FM 1984
113000080	Caldwell County US 183 @ Clear Fork Plum Creek
113000081	Caldwell County Brushy Creek Channel Improvements Near Las Estancias II
113000082	Caldwell County Boggy Creek Channel Improvements Near SH 142
113000083	Caldwell County CR 218 @ Boggy Creek and Clear Fork Plum Creek
113000084	Caldwell County CR 227 @ Brushy Creek

A motion was made by Lon Shell to approve the FMPs generated from the Caldwell County Flood Infrastructure Fund Planning Project. Ken Gill seconded the motion. The motion passed by unanimous consent.

4. Caldwell County Flood Infrastructure Fund Planning Study

FME_ID	FME_NAME
111000152	Caldwell County Plum Creek Near US 183 and I-10 Intersection
111000153	Caldwell County FM 1322 @ Plum Creek
111000154	Caldwell County CR 146 @ Plum Creek
111000155	Caldwell County CR 230 @ Clear Fork Plum Creek
111000156	Caldwell County CR 159 @ Spanish Oak Creek
111000157	Caldwell County Cowpen Creek Near Dove Hill Drive
111000158	Caldwell County CR 221 and CR 233 @ Elm Creek
111000159	Caldwell County McMahan VFD @ Tenney Creek
111000160	Caldwell County Rolling Oaks @ Ebbon Road
111000161	Caldwell County Hemphill Creek Between SH 142 and SH 80
111000162	Caldwell County Dickerson Creek Near CR 111
111000163	Caldwell County CR 103 @ Morrison Creek
111000165	Caldwell County CR 208 @ Plum Creek
111000166	Caldwell County Mebane Creek Channel Improvements
111000167	Caldwell County Mebane Creek Floodwall
111000168	Caldwell County Town Branch Detention
111000164	Caldwell County FEWS

A motion was made by Lon Shell to approve the FMEs generated from the Caldwell County Flood Infrastructure Fund Planning Study. John Johnston seconded the motion. The motion passed by unanimous consent.

5. San Marcos River Foundation/Edwards Aquifer Authority

FMP_ID	FMP_NAME
113000091	Edwards Aquifer Authority and San Marcos River Foundation Katz Recharge Conservation Easement
113000092	Edwards Aquifer Authority and San Marcos River Foundation Peters Recharge Conservation Easement
113000093	Edwards Aquifer Authority and San Marcos River Foundation Scull Crossing Flood Mitigation Conservation Easement
113000094	Edwards Aquifer Authority and San Marcos River Foundation Berry Riparian Flood Mitigation Conservation Easement
113000095	Edwards Aquifer Authority and San Marcos River Foundation Turner Riparian Flood Mitigation Conservation Easement

A motion was made by Kimberly Meitzen to approve the FMPs requested by the San Marcos River Foundation. Annalisa Peace seconded the motion. The motion passed by unanimous consent.

6. Additional Sponsor requested Flood Mitigation Evaluations (FMEs)

FME_ID	FME_NAME
111000150	City of New Braunfels River Road (Lakeview Blvd – Loop 337)
111000169	City of San Marcos USACE Regional Flooding Mitigation Bypass Channel Project Planning
111000176	Goliad County Drainage Master Plan
111000170	Guadalupe County Drainage Master Plan
111000171	City of San Marcos Drainage Master Plan
111000172	City of San Marcos Atlas 14 H&H Model Updates
111000173	Kendall County Drainage Master Plan
111000174	City of San Marcos Gauges for Phase 2 of city-wide FEWS
111000175	Comal County Drainage Master Plan
111000177	City of San Marcos Upper San Marcos Site 4 & 5 Dam Evaluations
111000178	City of Seguin Drainage Master Plan

A motion was made by Lon Shell to approve the Additional Sponsor requested FMEs. John Espinoza seconded the motion. The motion passed by unanimous consent.

AGENDA ITEM NO. 10: Discussion and potential action regarding the Terms of Office for the initial Guadalupe RFPG voting and non-voting members accordance with the by-laws.

All initial voting members term expires on July 10, 2023 along with any added non-voting members. Members drew slots for additional terms of 2 years or 5 years.

Interest Category	First Name	Last Name	Term Expiration
<i>Agricultural</i>	Doug	Miller	July 10, 2028
<i>Counties</i>	John A.	Johnston	July 10, 2025
<i>Counties</i>	Lon	Shell	July 10, 2028
<i>Electric generating utilities</i>	Robert (Bobby)	Christmas	July 10, 2025
<i>Environmental interests</i>	Annalisa	Peace	July 10, 2028
<i>Flood districts</i>	Doug	Sethness	July 10, 2025
<i>Industries</i>	Vacant		July 10, 2025
<i>Municipalities</i>	Joe	Pantalion	July 10, 2025
<i>Municipalities</i>	Kenneth (Ken)	Gill	July 10, 2028
<i>Public</i>	Kimberly	Meitzen	July 10, 2025
<i>River authorities</i>	Brian	Perkins	July 10, 2025
<i>River authorities</i>	Tara	Bushnoe	July 10, 2028
<i>Small business</i>	Gian	Villarreal	July 10, 2028
<i>Water districts</i>	Ronald (Ron)	Fieseler	July 10, 2025
<i>Water utilities</i>	Steven	Fonville	July 10, 2028
<i>Public – Non-Voting</i>	Don	Durden	July 10, 2028

A motion was made by Lon Shell to approve the terms of office for the initial Guadalupe RFPG voting and added non-voting members. Tara Bushnoe seconded the motion. The motion passed by unanimous consent.

AGENDA ITEM NO. 11: Consider date and agenda items for next meeting

The next meeting and last meeting of the first cycle will be held on Tuesday, June 27, 2023 at 2pm at the GBRA River Annex – 905 Nolan Street, Seguin, TX 78155.

AGENDA ITEM NO. 12: Public General comments (Public comments limited to 3 minutes per speaker)

Comment from Gonzales Mayor Sucher about the City of Gonzales and the County of Gonzales. Tinsley Creek Flooding is one of his top three priorities. We are looking at designing and building flood retention ponds in the upper reaches of Tinsley Creek through the GLO program. The City has 3 Million coming and the County has 2.5 Million.

Discussed having a meeting in Gonzales County during the second planning cycle.

Comment from Councilman Lawrence Spradley thanking the RFPG and Board for what they've done, it's very important planning. Thanked the Group for approving the two City of New Braunfels Projects.

AGENDA ITEM NO. 13: Adjourn

Lon Shell made a motion to adjourn. The motion was seconded by Ron Fieseler. The motion passed by unanimous consent.

The meeting adjourned at 3:50 PM by Chairman Miller.

Approved by the Region 11 Guadalupe RFPG at a meeting held on June 27, 2023.

Brian Perkins, SECRETARY

Doug Miller, CHAIR

Region 11 Guadalupe RFPG Chair Updates

Agenda Item 4

Lauren Willis

From: Ryke Moore <Ryke.Moore@twdb.texas.gov>
Sent: Thursday, May 4, 2023 2:02 PM
To: Lauren Willis
Cc: doug@miller-miller.com; Jay Scanlon; Adam.Conner@freese.com; Morgan White; Reem Zoun; James Bronikowski; OOP-Flood-Planning-FD; Matt Nelson; Megan Ingram
Subject: Acceptable: Region 11 Regional Flood Planning Contract with Guadalupe Blanco River Authority; Contract No. 2101792496, Final Regional Flood Plan

Dear Ms. Willis,

Congratulations on the completion and submittal of your final 2023 Regional Flood Plan!

TWDB staff have completed reviewing the final submittal and found the deliverable to be acceptable in accordance with Section II, Article III, Item J of the referenced contract. We tentatively anticipate presenting the regional flood plan to the TWDB Board for consideration for approval in July 2023.

As noted during the review of the draft regional flood plan, in cases where there are any discrepancies in data, the geodatabase dataset will supersede other data and the TWDB will utilize the geodatabase dataset when developing the state flood plan.

If you have any questions, please contact me at (512)475-1564 or via email at Ryke.Moore@twdb.texas.gov.

Sincerely,

Ryke Allen Moore, CFM | Regional Flood Planner

Flood Planning | Office of Planning | Texas Water Development Board

(512) 475-1564 | ryke.moore@twdb.texas.gov

Office Hours: M-F, 7AM-4PM

TEXAS FLOOD.org

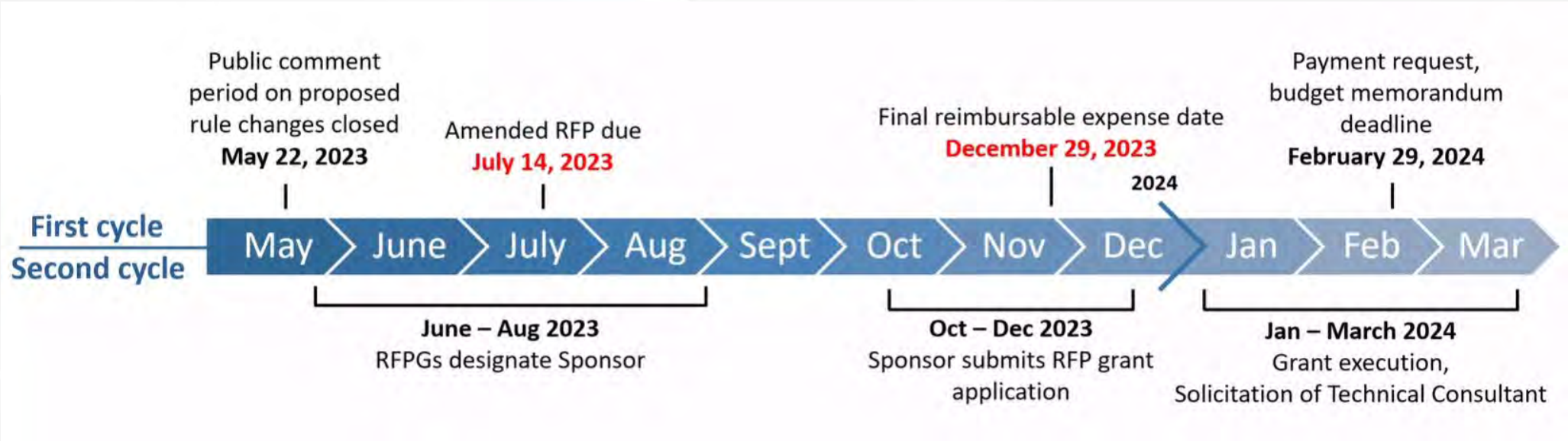
Texas Water Development Board Updates

Agenda Item 5

Guadalupe Region 11 RFPG Sponsor: GBRA Updates

Agenda Item 6

Agenda Item 6



Agenda Item 7

Discussion and potential action regarding the solicitation to fill the vacant voting position in the Industries interest category.

Region 11 Guadalupe

Regional Flood Planning Group

The Region 11 Guadalupe Regional Flood Planning Group (RFPG) is soliciting nominations to fill one (1) voting position on the Region 11 Guadalupe RFPG.

Nominees who either operate in or have interests in the Region 11 Guadalupe RFPG are being solicited to represent the following interest groups:

Voting Members

(1 seat) Industries

The Guadalupe RFPG was established by the Texas Water Development Board on October 1, 2020, through the designation of initial flood planning group members. The Guadalupe RFPG consists of portions of Bandera, Bastrop, Blanco, Caldwell, Calhoun, Comal, DeWitt, Fayette, Gillespie, Goliad, Gonzales, Guadalupe, Hays, Karnes, Kendall, Kerr, Lavaca, Real, Refugio, Travis, Victoria and Wilson counties lying within the Guadalupe River Basin.

Article V. Section 3 of the adopted Guadalupe RFPG Bylaws states that in order to be eligible for voting membership, a person must be capable of adequately representing the interest for which a member is sought, be willing to participate in the regional flood planning process, attend meetings, and abide by these bylaws. Industries are defined as: Industries, such as corporations, partnerships, sole proprietorships, or other legal entities that are formed for the purpose of making a profit and that are not small businesses;

Nomination forms may be submitted through email to Lauren Willis at lwillis@gbra.org, or by printing the nomination form, completing it and mailing to 933 E. Court Street, Seguin, TX 78155 Attn: Lauren Willis. Nominations must be received by 5:00pm, Monday, June 5, 2023.

Region 11 Guadalupe RFPG

Member Nomination Form

Date: 11/1/23

Name & Email of person submitting this form (Nominator, may be the same as nominee):

Matt Koone TheKHMcompany@gmail.com

Nominee Name: Matt Koone

Nominee Phone: 512-620-1148

Nominee E-mail: TheKHMcompany@gmail.com

Nominee Mailing Address: 1324 Saint Louis St., Gonzales, TX 78629

County in which the nominee resides: Gonzales

Nominee Occupation: self-employed/manufacturing

Nomination for Interest Group (Check One)

Agricultural Counties Counties Electric Generating Utilities Environmental

Flood Districts Industries Municipalities Public River Authorities

Small Business Water Districts Water Utilities

Brief bio and summary of qualifications specific to interest group

Extensive knowledge in structural engineering along with years of experience in flood management and mitigation. Active community member in regards to flooding issues, with over 20 years of experience.

General type of flood-related knowledge, experience, and approximately number of years of being involved in flood-related issues.

Water management on construction sites for 21+ years, mitigate flooding on various ranches for 20 years and oversaw quality control for bridge beam manufacturing and coding for 3 years.

Please provide 2 references (Name, title/affiliation, phone number)

1. Mayor Steve Sucher, Mayor of Gonzales, 713-204-2965
2. Tim Crow, City Manager of Gonzales, 830-672-2815

Please list any optional attachments included (Resume, CV, Resolutions, etc.)

Discussion and potential action regarding administrative expenses to be submitted to the Texas Water Development Board for reimbursement.

Agenda Item 8

FY23Q3 (March 1, 2023 – May 31, 2023)

GBRA Salaries & Fringe	\$ 2,302.86
TOTAL	\$ 2,302.86

Approved Budget	Project Cost this Report	Cumulative Project Cost	Balance
\$ 25,023	\$ 2,302.86	\$ 24,439.17	\$ 583.83

FY23Q4 (June 1, 2023 – August 31, 2023)

GBRA Salaries & Fringe	\$ 583.83
TOTAL	\$ 583.83

Approved Budget	Project Cost this Report	Cumulative Project Cost	Balance
\$ 25,023	\$ 583.83	\$ 25,023	\$ 0.00

Agenda Item 9

Discussion and potential action selecting a planning group sponsor to act on behalf of the regional flood planning group.

Agenda Item 10

Discussion and potential action authorizing the RFPG sponsor to apply or request for grant funds and enter into a contract with the TWDB on behalf of the RFPG

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

- A. Discussion and potential action on recommending additional Flood Mitigation Actions in the Amended 2023 Guadalupe Regional Flood Plan.
- B. Discussion and potential action regarding budget memorandum No.2 to be submitted to the Texas Water Development Board.
- C. Discussion and potential action adopting the Amended Guadalupe Regional Flood Plan approving for submittal to the TWDB by July 14, 2023.

An aerial photograph of a vast wetland area, likely a marsh or delta. The landscape is characterized by a complex network of water channels and islands of green vegetation. The water is a light blue-grey color, and the vegetation is a vibrant green. The horizon is flat, and the sky is a pale, overcast blue.

Region 11 Guadalupe

Regional Flood Planning Group Meeting

June 27, 2023

Item 11



Agenda

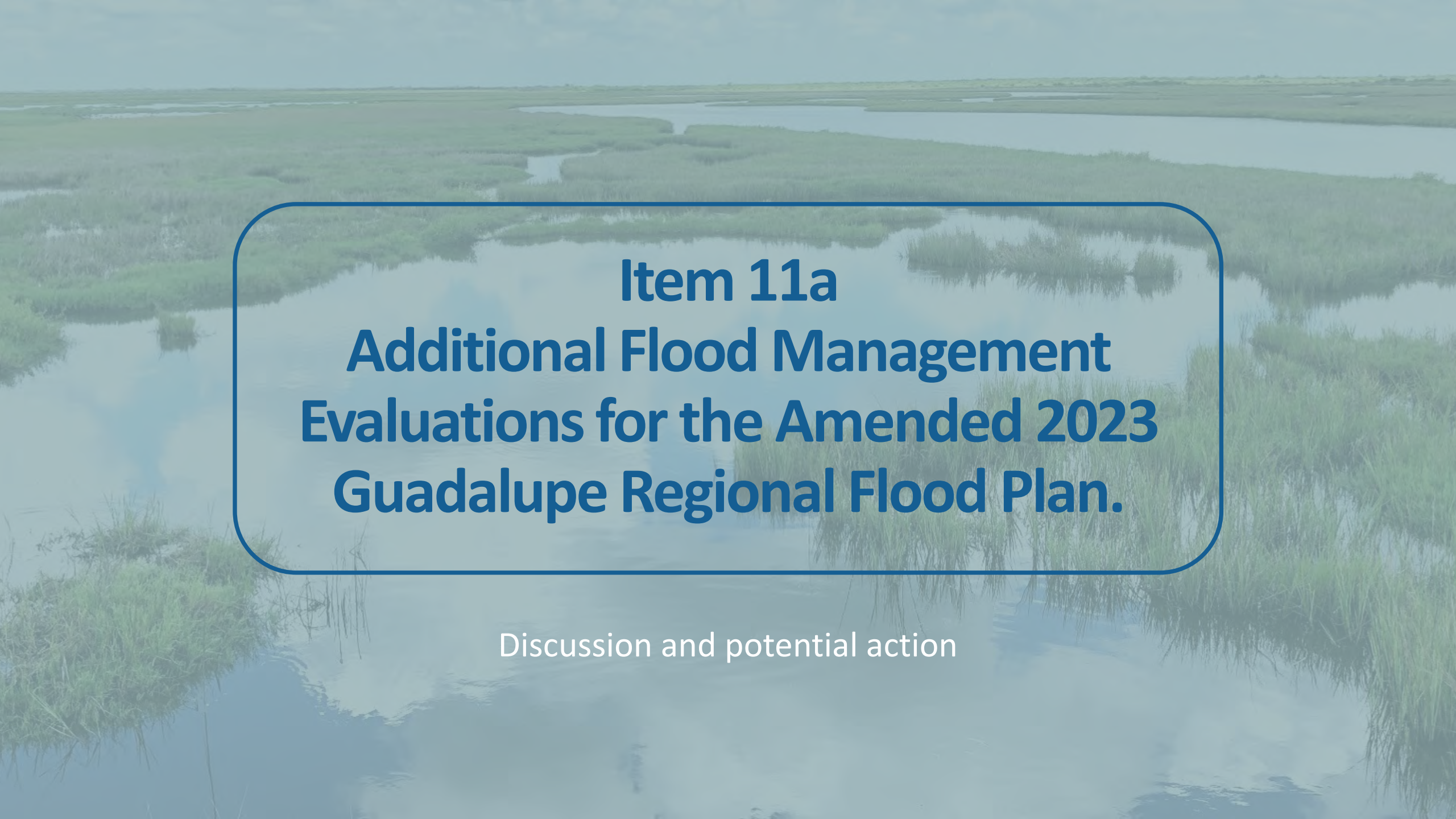
Comments from the Public - None

Recommend New FMEs in Amended Plan

Update on Final Plan FME and FMP Enhancements

Adopt and approve submittal of July 2023
Amended Regional Flood Plan

Look Ahead



Item 11a
Additional Flood Management
Evaluations for the Amended 2023
Guadalupe Regional Flood Plan.

Discussion and potential action

FME One Pagers - Provided in Meeting Materials

Flood Management Evaluation (FME)

REGION 11 GUADALUPE REGIONAL FLOOD PLANNING GROUP

Title: Kerr County Drainage Master Plan
 ID#: 111000179
 Sponsor (name of entity, not person): Kerr (County)
 RFPG recommend? Yes Reason for Recommendation Meets minimum TWDB requirements

Study Details

Study type: Watershed Planning
 Study description: Drainage Master Plan, implemented in multiple phases by watershed, with a focus on developing new Atlas 14 flood risk models and maps, and identification of flood reduction projects


New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes
 County: Kerr Watershed HUC# (if known): 12100201
 Drainage area (Square miles, est.): 771 Goal(s): 11000009

100-Year Flood Risk Summary


Population at risk: 7,416 # of structures: 3,831 Critical facilities: 6
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres): 28,074 Roadway(s) impacted (length): 124
 Number of low water crossings: 158 Historical road closures: -

Estimated Cost and Funding Availability

Total Cost: \$3,000,000 Amount of Available Funding: TBD Federal funding availability: TBD
 Funding source: -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

REGION 11 GUADALUPE REGIONAL FLOOD PLANNING GROUP

Title: Hays County Drainage Master Plan
 ID#: 111000180
 Sponsor (name of entity, not person): Hays (County)
 RFPG recommend? Yes Reason for Recommendation Meets minimum TWDB requirements

Study Details

Study type: Watershed Planning
 Study description: Drainage Master Plan, implemented in multiple phases by watershed, with a focus on developing new Atlas 14 flood risk models and maps, and identification of flood reduction projects, in Guadalupe watershed, approximately half of county footprint


New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes
 County: Hays Watershed HUC# (if known): 12100203
 Drainage area (Square miles, est.): 373 Goal(s): 11000009

100-Year Flood Risk Summary


Population at risk: 17,647 # of structures: 4,329 Critical facilities: 15
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres): 10,528 Roadway(s) impacted (length): 98
 Number of low water crossings: 117 Historical road closures: -

Estimated Cost and Funding Availability

Total Cost: \$1,500,000 Amount of Available Funding: TBD Federal funding availability: TBD
 Funding source: -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

REGION 11 GUADALUPE REGIONAL FLOOD PLANNING GROUP

Title: Caldwell County Assessment of Property Buyout Alternatives
 ID#: 111000181
 Sponsor (name of entity, not person): Caldwell (County)
 RFPG recommend? Yes Reason for Recommendation Meets minimum TWDB requirements

Study Details

Study type: Project Planning
 Study description: Evaluate buyout alternatives for flood problem areas identified within Caldwell County


New Hydrologic or Hydraulic model? No Emergency Need? - Existing/Anticipated models in near term? Yes
 County: Caldwell Watershed HUC# (if known): 12100202, 12100203
 Drainage area (Square miles, est.): 545 Goal(s): 11000009

100-Year Flood Risk Summary


Population at risk: 2,190 # of structures: 937 Critical facilities: 7
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres): 35,719 Roadway(s) impacted (length): 71
 Number of low water crossings: 40 Historical road closures: -

Estimated Cost and Funding Availability

Total Cost: \$40,000 Amount of Available Funding: TBD Federal funding availability: TBD
 Funding source: -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Kerr County Drainage Master Plan**

ID# **111000179**

Sponsor (name of entity, not person) **Kerr (County)**

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

Study Details

Study type **Watershed Planning**

Study description **Drainage Master Plan, implemented in multiple phases by watershed, with a focus on developing new Atlas 14 flood risk models and maps, and identification of flood reduction projects**

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

County **Kerr** Watershed HUC# (if known) **12100201**

Drainage area (Square miles, est.) **771** Goal(s) **11000009**

100-Year Flood Risk Summary

Population at risk **7,416** # of structures **3,831** Critical facilities **6**

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

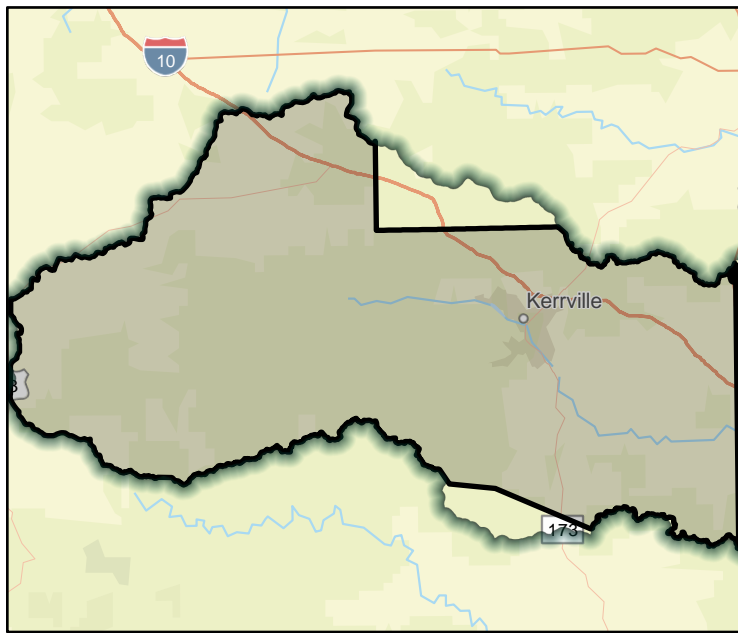
Farm/Ranch land impacted (acres) **28,074** Roadway(s) impacted (length) **124**

Number of low water crossings **158** Historical road closures **-**

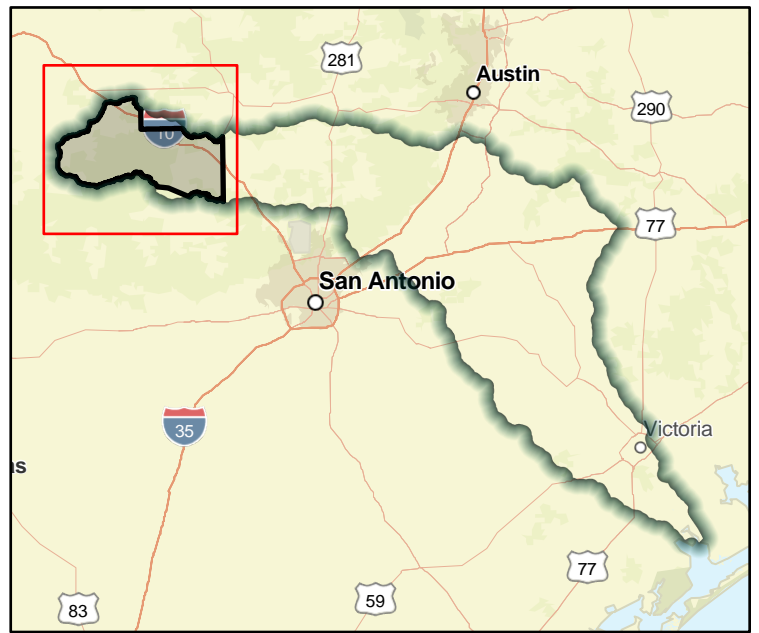
Estimated Cost and Funding Availability

Total Cost **\$3,000,000** Amount of Available Funding **TBD** Federal funding availability **TBD**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Hays County Drainage Master Plan**

ID# **111000180**

Sponsor (name of entity, not person) **Hays (County)**

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

Study Details

Study type **Watershed Planning**

Study description **Drainage Master Plan, implemented in multiple phases by watershed, with a focus on developing new Atlas 14 flood risk models and maps, and identifying categories of flood reduction projects, in Guadalupe watershed, approximately half of county footprint**

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

County **Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **373** Goal(s) **11000009**

100-Year Flood Risk Summary

Population at risk **17,647** # of structures **4,329** Critical facilities **15**

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

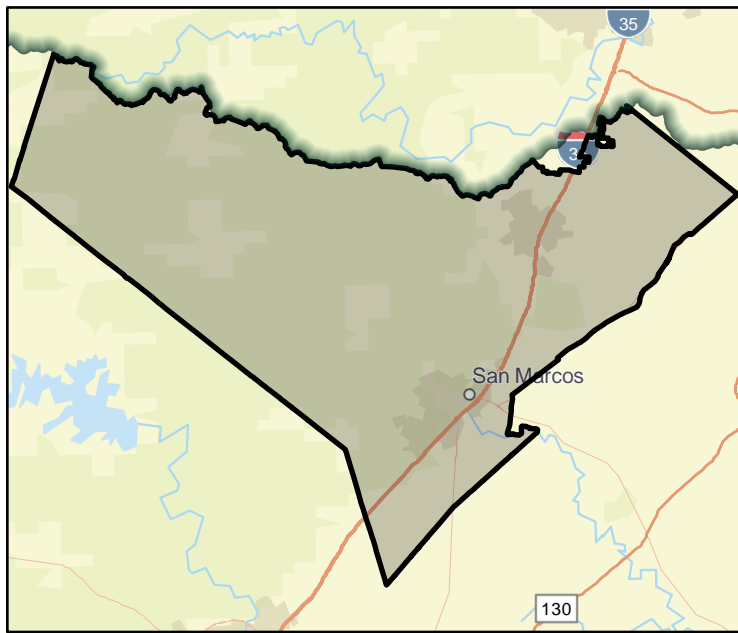
Farm/Ranch land impacted (acres) **10,528** Roadway(s) impacted (length) **98**

Number of low water crossings **117** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$1,500,000** Amount of Available Funding **TBD** Federal funding availability **TBD**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Caldwell County Assessment of Property Buyout Alternatives
 ID# 111000181
 Sponsor (name of entity, not person) Caldwell (County)
 RFPG recommend? Yes Reason for Recommendation Meets minimum TWDB requirements

Study Details

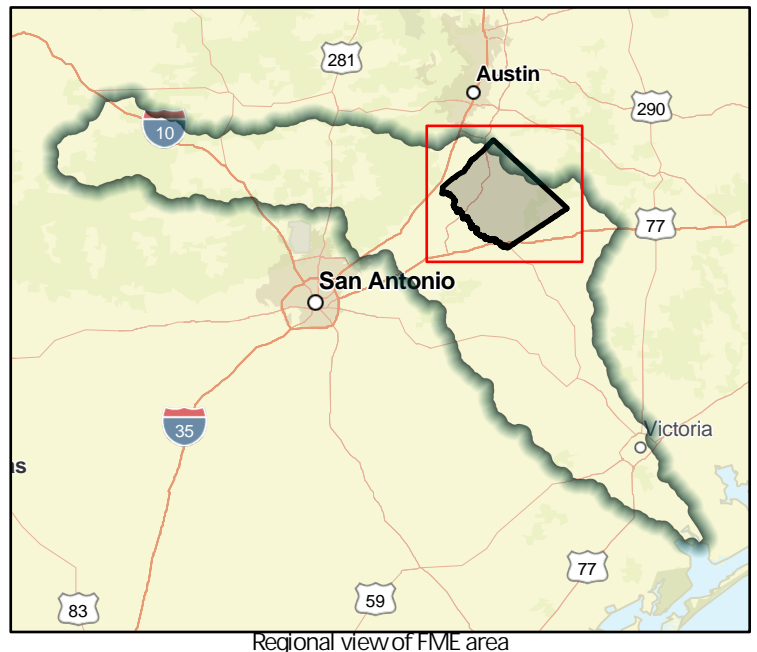
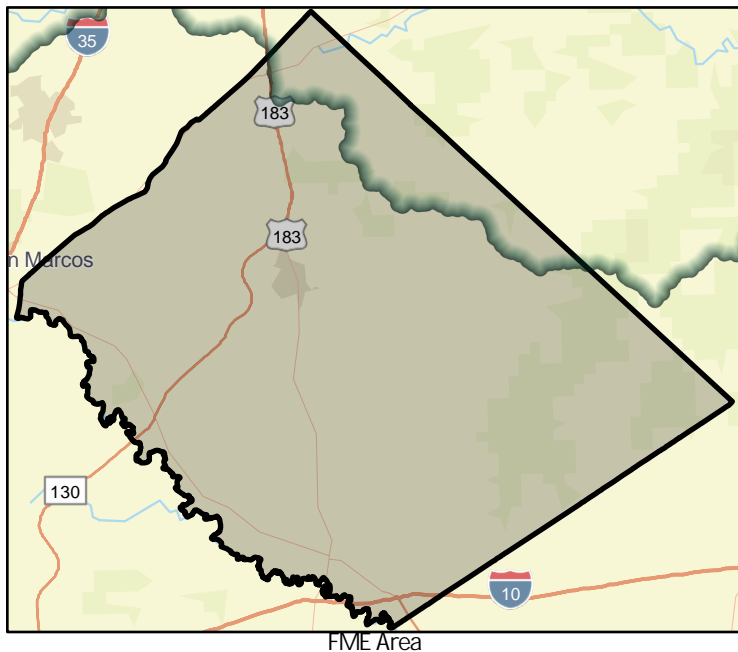
Study type Project Planning
 Study description Evaluate buyout alternatives for flood problem areas identified within Caldwell County
 New Hydrologic or Hydraulic model? No Emergency Need? - Existing/Anticipated models in near term? Yes
 County Caldwell Watershed HUC# (if known) 12100202, 12100203
 Drainage area (Square miles, est.) 545 Goal(s) 11000009

100-Year Flood Risk Summary

Population at risk 2,190 # of structures 937 Critical facilities 7
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres) 35,719 Roadway(s) impacted (length) 71
 Number of low water crossings 40 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$40,000 Amount of Available Funding TBD Federal funding availability TBD
 Funding source -

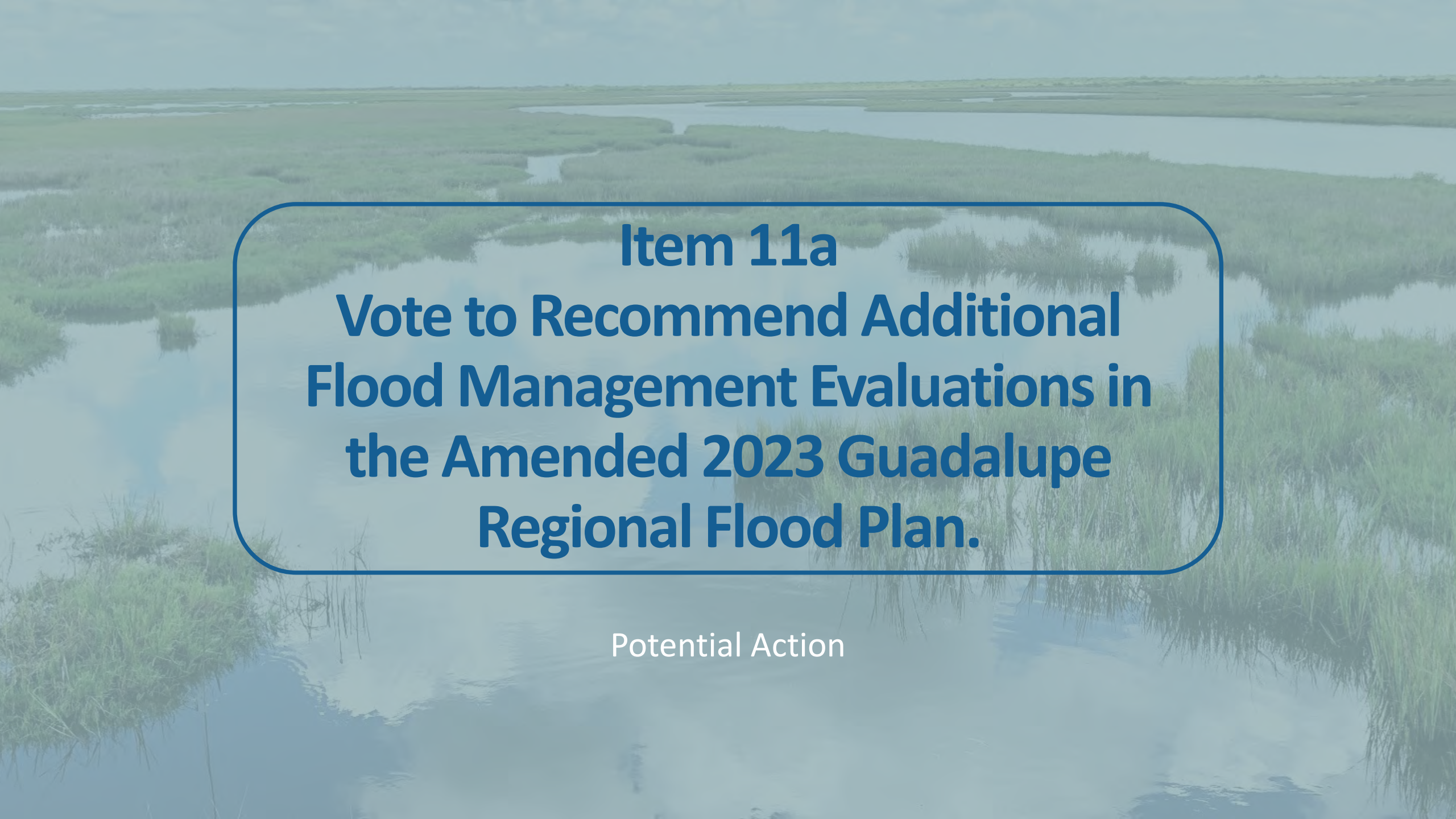




New FMEs requested

Email sent to RFPG members on 5/31:

- The consulting team received requests after the last RFPG meeting from local sponsors for new Flood Management Evaluations (FME) to be included in the Region 11 Guadalupe Amended 2023 Regional Flood Plan.
- The 3 new FME requests received are:
 - **Kerr County Drainage Master Plan,**
 - **Hays County Drainage Master Plan, and**
 - **Caldwell County Assessment of Property Buyout Alternatives.**
- Intent to be as inclusive as possible and to maximize the opportunities for communities within the Guadalupe basin to access future funding for these study efforts
- Amended Plan is drafted with the assumption that the 3 new FMEs will be included as recommended.
 - *If for some reason that is not the case, we will need to ask for approval of the Amended Regional Flood Plan pending revisions to accommodate removal of these actions, or we will need to ask the RFPG to meet again before the submittal deadline on July 14th.*



Item 11a
**Vote to Recommend Additional
Flood Management Evaluations in
the Amended 2023 Guadalupe
Regional Flood Plan.**

Potential Action

RFIG approved proposal at 4/5 meeting:

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

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFIG recommend? Yes Reason for Recommendation

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) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

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 # of structures Critical facilities

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

Number of low water crossings Historical road closures

100-Year Flood Risk Reduction

Population removed from 100-yr # of structures removed from 100-yr

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

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

Other benefits Reduction in # of road closures over 10 years

Impacts

Negative impacts? No Negative impacts description

Water supply contributions? No Water supply contribution description

Estimated Cost

Project Cost % Nature-Based 0 BCR

Recurring costs Issues



FMP area



Regional view of FMP area



Updates to Approved FMPs – Water Supply Benefits

- Added indirect benefit for aquifer recharge
- Only applied to regional detention and conservation easement FMPs over rechargeable aquifers (like Edwards Aquifer).
- FMPs updated Include:
 - 113000001- Blanco County Detention on Blanco River
 - 113000044- Comal County Regional Detention on Bear Creek
 - 113000047- Gonzales County Regional Detention on Peach Creek
 - 113000069- Guadalupe County Detention on York Creek Project
 - 113000073- Kendall County Cypress Creek Detention
 - 113000091- SMRF Katz Recharge Conservation Easement
 - 113000092- SMRF Peters Recharge Conservation Easement
 - 113000093- SMRF Scull Crossing Flood Mitigation Conservation Easement
 - 113000094- SMRF Berry Riparian Flood Mitigation Conservation Easement
 - 113000095- SMRF Turner Riparian Flood Mitigation Conservation Easement



Updates to Approved FMPs – Water Supply Benefits

- Method of quantifying recharge:
- A 2002 TWDB paper titled "Groundwater Recharge in Texas" provided recharge rates in inches/year for each major aquifer and county and was then multiplied by the assumed detention pond footprint.
- This paper also includes a reference and technique used for each of their calculations if more information is needed.



Updates to Approved FMPs – % Nature Based

- Updated % Nature Based solution for FMPs as follows:
 - Conservation easements = 100% nature based
 - Incorporated the following categories into % Nature Based calculation:
 - Placing Topsoil and Laying Sod
 - Temporary and Permanent Erosion & Sediment Control
 - Cell Fiber Mulch

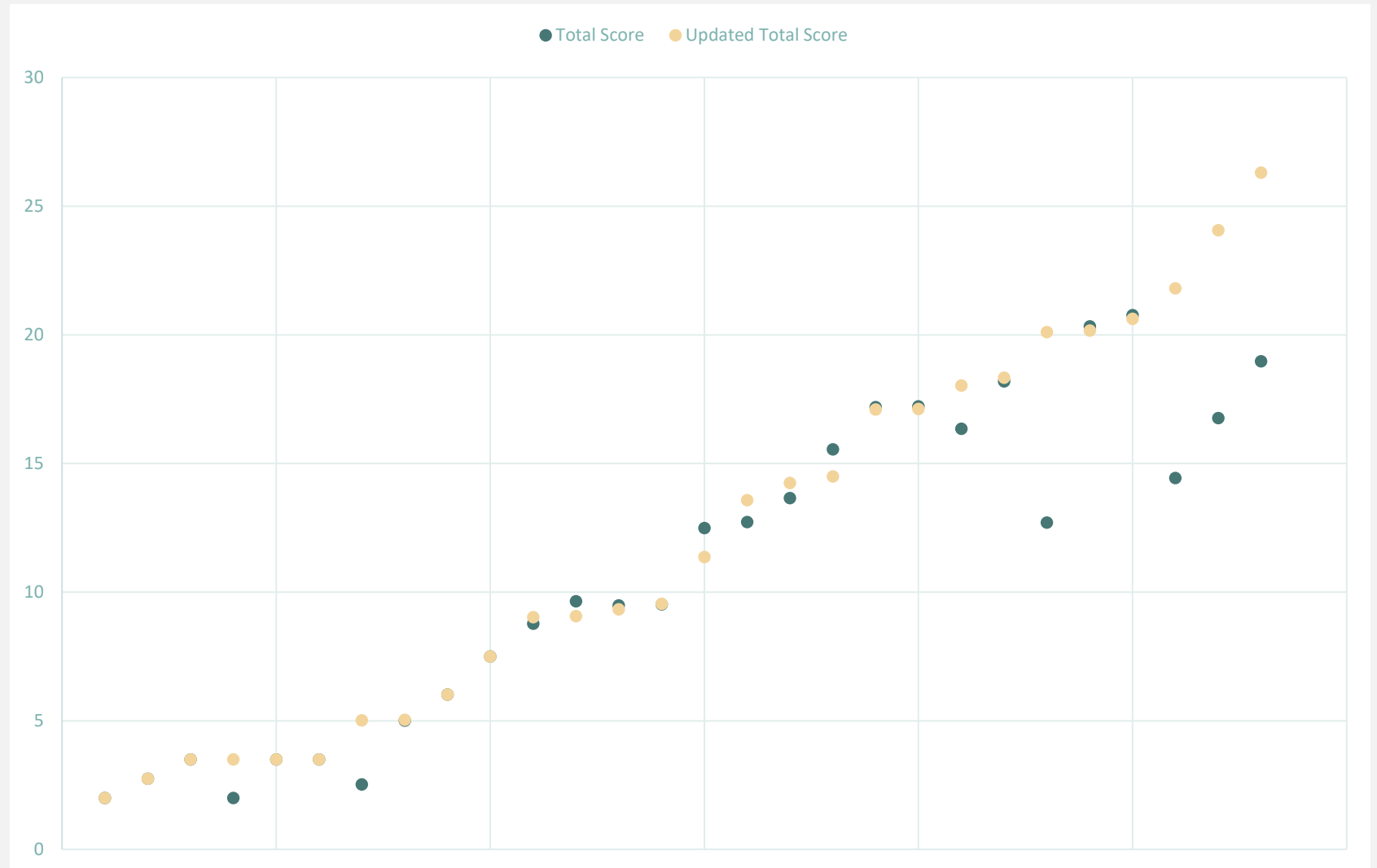


Updates to Approved FMPs – BCR

- Updated BCR for the following FMPs:
 - 113000001- Blanco County Detention on Blanco River
 - 113000044- Comal County Regional Detention on Bear Creek
 - 113000047- Gonzales County Regional Detention on Peach Creek
 - 113000069- Guadalupe County Detention on York Creek Project
 - 113000087- City of New Braunfels Nacogdoches and Faust Drainage Improvements
 - 113000088- City of New Braunfels Castell Avenue Phase 1 Drainage Improvements

Updates to FMP - Scoring

- Scoring Results from FMP Updates:



RFPG approved proposal
at 4/5 meeting:

*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 City of Wimberley Hoots Holler Low Water Crossing Project Planning

ID# 111000095

Sponsor (name of entity, not person) Wimberley (Municipality)

RFPG recommend? Yes Reason for Recommendation Meets minimum TWDB requirements

Study Details

Study type Project Planning

Study description Project planning for proposed project to reconstruct low water crossing and roadway at Hoots Holler

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

County Hays Watershed HUC# (if known) 12100203

Drainage area (Square miles, est.) 0 Goal(s) 11000001, 11000002

100-Year Flood Risk Summary

Population at risk 0 # of structures 0 Critical facilities 0

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

Farm/Ranch land impacted (acres) 0 Roadway(s) impacted (length) 0

Number of low water crossings 0 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$100,000 Amount of Available Funding TBD Federal funding availability No

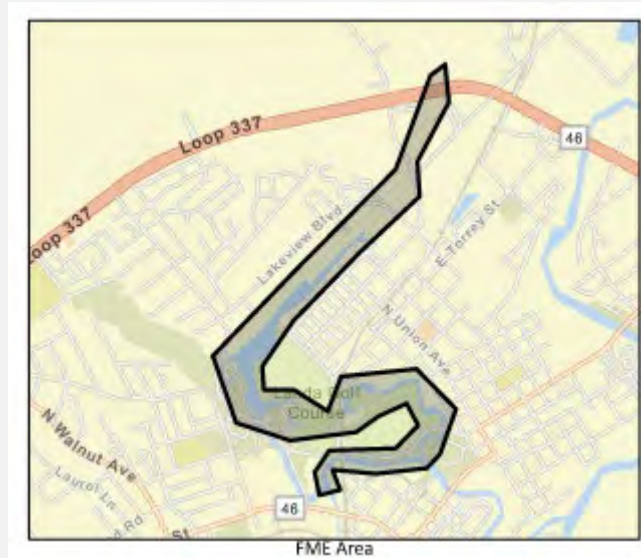
Funding source -



Updates to FME Boundaries

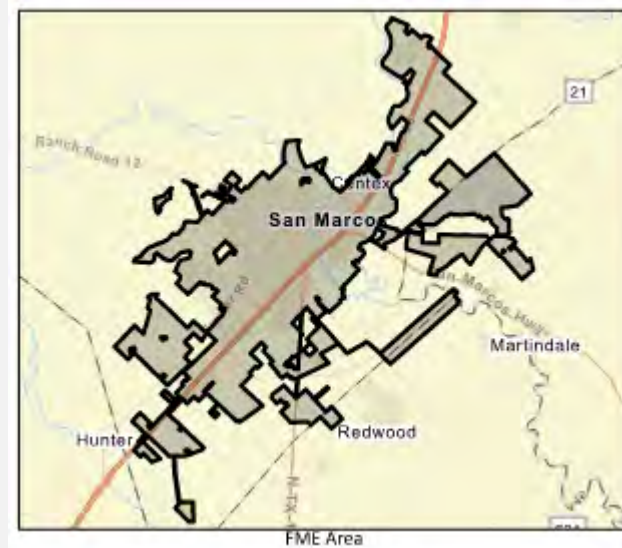
- Updated FME Boundaries:

- 111000043 - City of New Braunfels
 - Project planning for proposed drainage improvements to reduce flood risk in the Blieders Creek and German Creek watersheds by conveying flows to the Guadalupe River. The project is also intended to reduce flooding in the Landa Park area.
 - The Amended Plan FME covers the complete study area needed to identify people and property that could benefit from the implementation of the projects being planned.



Updates to FME Boundaries

- Updated FME Boundaries:
 - 111000054 - City of San Marcos Regional Detention Study
 - Study solutions for regional detention and water quality strategies
 - To determine the flood risk reduction of regional detention, the area to model needs to include the entire hydrologic area of the city. Detailed hydraulic analysis and project alternatives would only be studied within city limits.



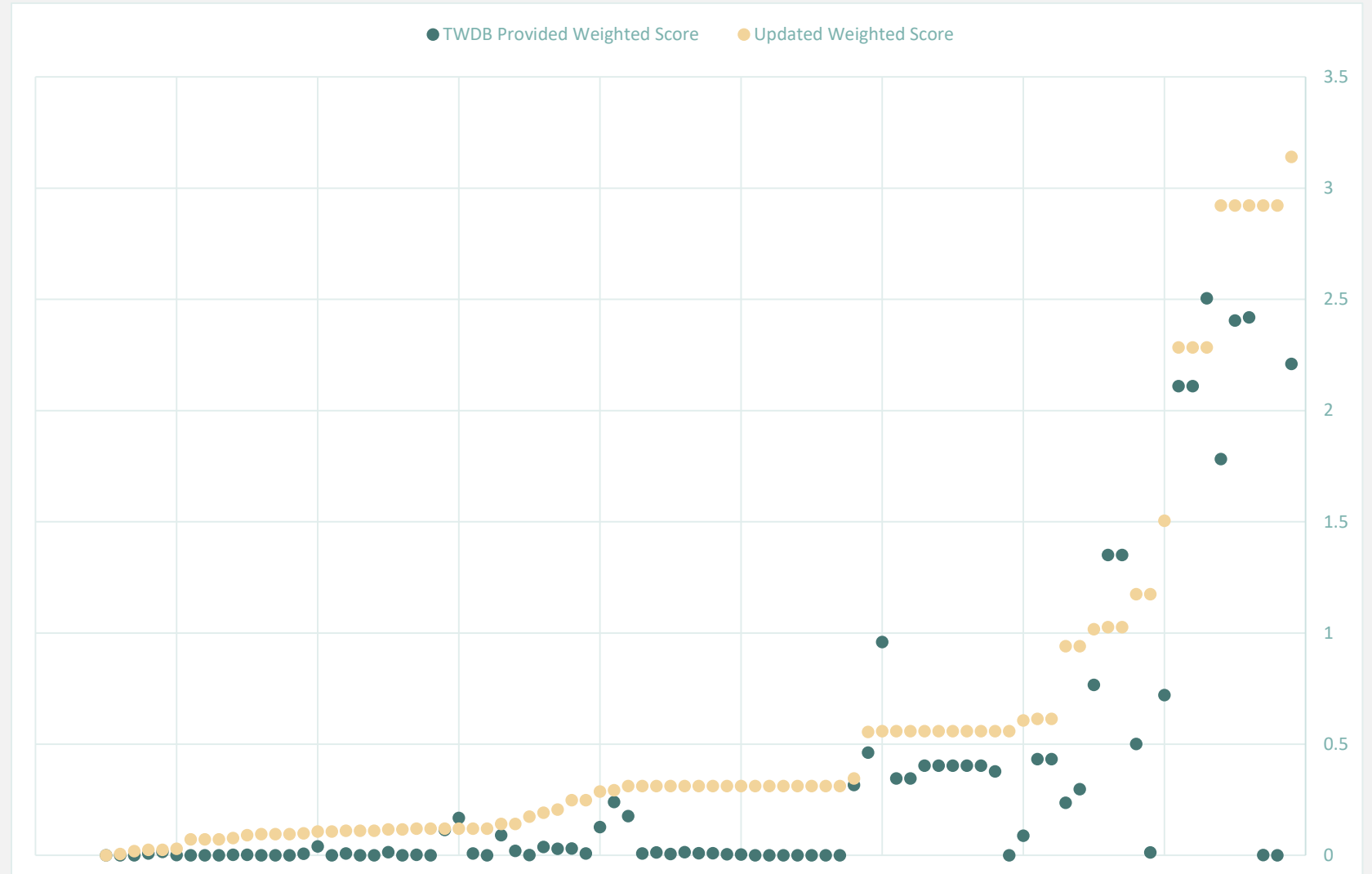
Updates to FME Boundaries

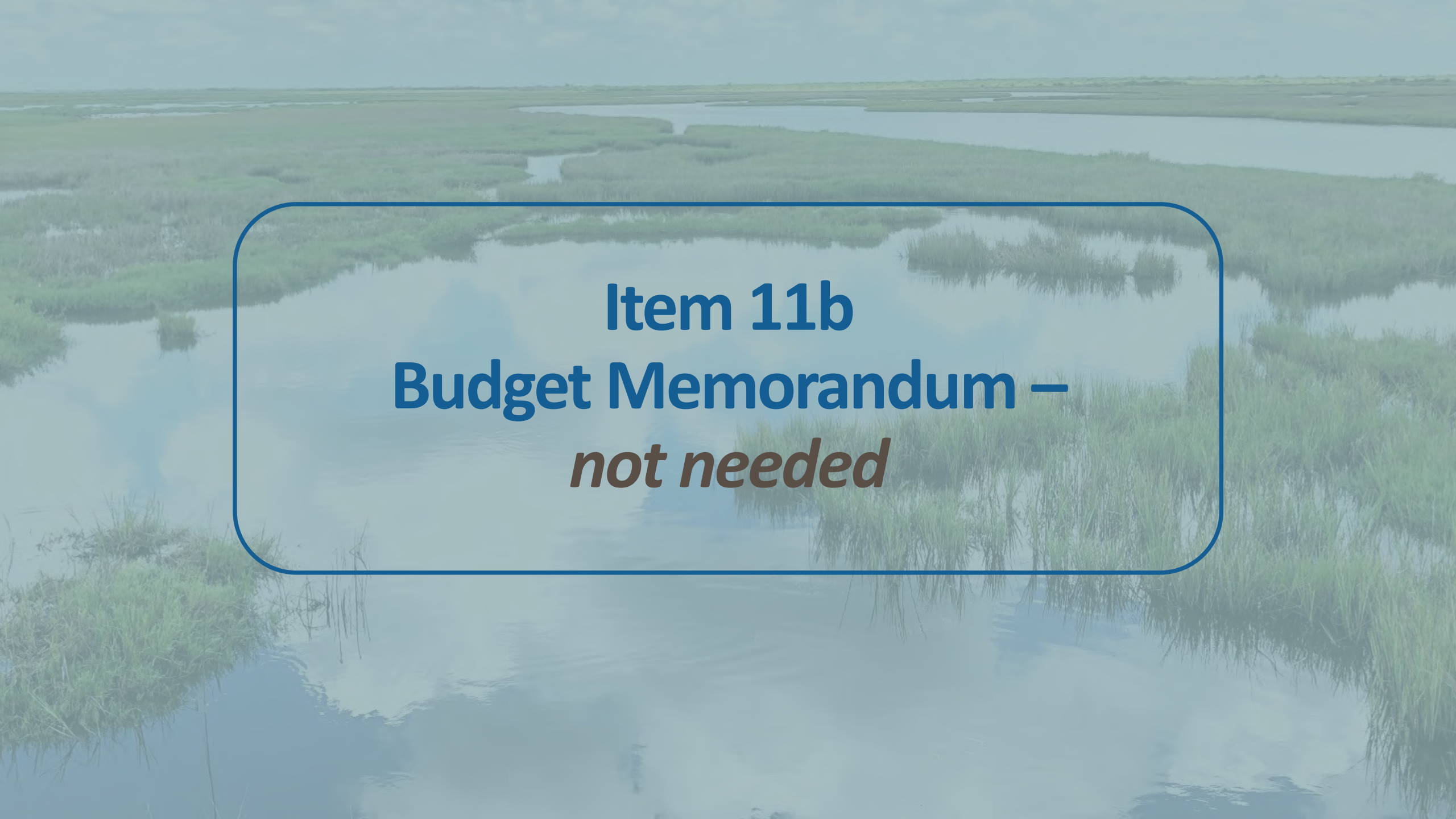
- Updated FME Boundaries:
 - 111000081 - City of Wimberley FM 1492 at Blanco River Low Water Crossing Project Planning
 - The crossing specified in this FME is over the Blanco River. To model a major river accurately requires consideration of the entire hydrologic area. The FME study area was updated to include the area that would need to be considered to properly analyze this LWC.



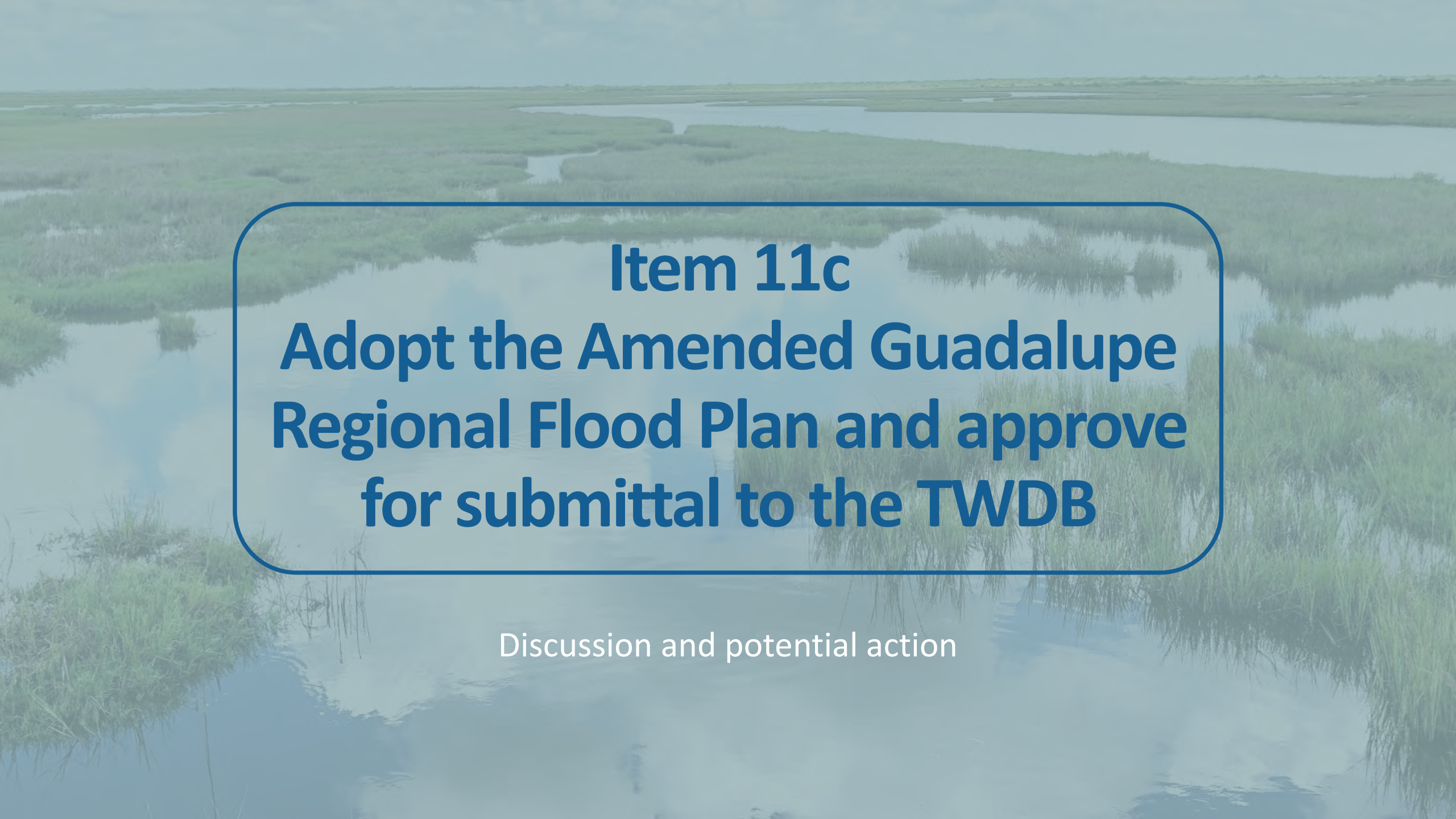
Updates to FME - Scoring

- Scoring Results from FME Updates:






Item 11b
Budget Memorandum –
not needed



Item 11c
Adopt the Amended Guadalupe
Regional Flood Plan and approve
for submittal to the TWDB

Discussion and potential action



Key Changes in July 2023 Amended Plan

- FMEs recommended: 127 » 163
- FMPs recommended: 32 » 54
- Funding to implement all FMXs: \$782M » 1.02B
- Includes 7 new administrative recommendations
- *Updates to appendices, gdb, chapter text, etc., related to these changes.*

Full log of changes available in meeting materials.



Legislative Update

- Texas Legislature appropriated additional \$625M for Flood Infrastructure Fund (*pending final approval by Governor*)
- No clear direction given yet on timing, requirements, etc. Unclear if inclusion in a regional flood plan will be a requirement for pursuing funding before state plan adoption in 2024.
- Join the [TWDB mailing list](#) to be notified of further developments, including opportunities to apply.

Look Ahead



Timeframe	Milestone Goals
<i>TODAY</i> <i>June 2023</i>	<i>June 27</i> <i>Last RFPG Meeting for 1st Cycle of Planning</i> <i>Vote to Adopt and Approve Amended Regional Flood Plan</i>
July 2023	July 14 Amended Regional Flood Plan due to TWDB
August- Sept 2023	Resolve any TWDB comments on Amended Plan and re-submit.
Fall 2023	Second Cycle of Regional Planning Begins <u>1stCycleWorkingSchedule.pdf (texas.gov)</u> Planning Group Sponsor contracts executed.
Winter/ Spring 2024	Solicitation and selection of second cycle technical consultant. Consultant contracts executed.

Consider date and agenda items for next meeting.

Agenda Item 12

Public general comments – limit 3 minutes per person

Agenda Item 13

Adjourn

Agenda Item 14