



# Region 11: Guadalupe Regional Flood Planning Group Meeting

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Wednesday, October 6, 2021  
2:00pm

# Agenda Item 1

## Call to Order

### 1. Attendance

# Agenda Item 2

Welcome

## Agenda Item 3

### Approval of Meeting Minutes

1. Approval of meeting minutes from September 8, 2021 Region 11 RFPG Meeting

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

Consider authorizing the Guadalupe-Blanco River Authority (GBRA) to negotiate and execute a grant contract amendment with the Texas Water Development Board and the associated contract amendment between GBRA and the technical consultant.



## Agenda Item 8

Consider Executive Committee's recommendation, discussion and consider taking action to fill the Water Utilities interest category position.

# Agenda Item 9

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

- A. Discussion and potential action determining flood mitigation and floodplain management goals.
- B. Discussion and potential action approving the process for identifying potential FMEs and potentially feasible FMSs and FMPs.

# MEMORANDUM



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**TO:** Guadalupe River Regional Flood Planning Group (RFPG)  
**FROM:** Tom Hegemier, Doucet and Assoc.; Jay Scanlon – Freese and Nichols, Inc.  
**SUBJECT:** Recommendations for Adoption of Flood Mitigation and Floodplain Management Goals  
**DATE:** 9/21/2021  
**PROJECT:** Guadalupe Region 2023 Regional Flood Plan (FNI Project No. GBA21362)

Task 3B of the *Scope of Work* for the development of the Regional Flood Plan (RFP) requires the RFPG and its technical consultants to “identify specific and achievable flood mitigation and floodplain management goals along with target years by which to meet those goals for the flood planning region.” The RFPG will vote to establish goals by a simple majority of voting members present. Freese and Nichols (FNI) proposes the Planning Group discuss and adopt the goals at the October RFPG meeting to be held on October 6, 2021.

The proposed goals have been developed considering input from the RFPG provided at the regular RFPG meetings, as well as input from other regional stakeholders provided through the data collection survey. Prior RFPG meeting content related to Task 3B is summarized below:

- **June 30, 2021** – Introduction to floodplain management strategies and goals
- **August 4, 2021** – Interactive goal discussion and public meeting input on goals/strategies.
- **August/September 2021**- Continued public input on goals, strategies, concerns, potential projects via survey monkey, interactive map, and interaction with the project team.
- **September 8, 2021** – Presentation and discussion of draft floodplain management goals based upon previous RFPG input and responses to the RFPG survey

The RFPG is required to prepare a general description and summary table of flood mitigation and floodplain management goals and description of residual risk associated with those goals. The goals are presented in **Table 11**, attached, using the template provided by TWDB.

Since the September 8 meeting, the TWDB underscored that the goals must be specific and achievable, with the key being specific so that implementation can be measured. The TWDB also noted that the Planning Group can refine the goals prior to the submittal of the RFP in 2022 so, as more data is gathered in the coming months, the Planning Group can modify the goals if necessary.

The goals are provided to the RFPG in order to solicit input prior to, or at the October RFPG meeting. Please provide any feedback to Lauren Willis, by sending an email to [llwillis@gbra.org](mailto:llwillis@gbra.org) . Be aware that a “reply all” to the email containing this attachment may trigger a quorum in violation of the Texas Open Meetings Act.

Region 11 Guadalupe Regional Flood Plan



**Table 11: Regional Flood Plan Flood Mitigation and Floodplain Management Goals**

Goal ID	Goal	Term of Goal	Target Year	Applicable to	Residual Risk	How Will the Goal Be Measured	Overarching Goal(s)	Associated Goal IDs
1001	Improve safety at 50% of low water crossings through structural improvements and/or warning/signage systems.	Short Term (10-year)	2033	Entire RFPG	50% of low water crossings have no change in flood risk	Number of low water crossings with safety improvements	Protect against loss of life and property (362.3.b.13-14)	1002
1002	Improve safety at 90% of low water crossings through structural improvements and/or warning/signage systems.	Long Term (30-year)	2053	Entire RFPG	10% of low water crossings have no change in flood risk	Number of low water crossings with safety improvements	Protect against loss of life and property (362.3.b.13-14)	1001
2001	Consider and incorporate nature-based practices in 30% of Flood Mitigation Projects and Flood Management Strategies recommended in the Regional Flood Plan.	Short Term (10-year)	2033	Entire RFPG	No change in flood risk; reduces impacts on the environment	Number of FMPs and FMSs implementing nature-based practices	Include strategies and projects that use nature-based features (362.3.b.17)	2002
2002	Consider and incorporate nature-based practices in 50% of Flood Mitigation Projects and Flood Management Strategies recommended in the Regional Flood Plan.	Long Term (30-year)	2053	Entire RFPG	No change in flood risk; reduces impacts on the environment	Number of FMPs and FMSs implementing nature-based practices	Include strategies and projects that use nature-based features (362.3.b.17)	2001
3001	Increase NFIP participation/adoption of higher standards to 30% of communities.  <i>Communities = cities and counties</i>	Short Term (10-year)	2033	Entire RFPG	Risk to existing structures does not increase due to better floodplain management practices; Annual flood risk to new construction in participating communities will be <1%	Number of entities participating in NFIP; number of entities with equivalent standards	Protect against loss of life and property (362.3.b.13-14)	3002



Goal ID	Goal	Term of Goal	Target Year	Applicable to	Residual Risk	How Will the Goal Be Measured	Overarching Goal(s)	Associated Goal IDs
3002	Increase NFIP participation/adoption of higher standards to 60% of communities	Long Term (30-year)	2053	Entire RFPG	Risk to existing structures does not increase due to better floodplain management practices; Annual flood risk to new construction across the region will be <1%	Number of entities participating in NFIP; number of entities with equivalent standards	Protect against loss of life and property (362.3.b.13-14)	3001
4001	Increase high growth community CRS participation to 50% of all high growth communities.  <i>High growth communities – cities and counties with a population greater than 10,000 people in 2030</i>	Short Term (10-year)	2033	Entire RFPG	Risk to existing structures does not increase due to better floodplain management practices; Annual flood risk to new construction in participating communities will be <1%	Number of entities participating in CRS.	Protect against loss of life and property (362.3.b.13-14)	4002
4002	Increase high growth community CRS participation to 75% of all high growth communities.  <i>High growth communities – cities and counties with a population greater than 10,000 people in 2030</i>	Long Term (30-year)	2053	Entire RFPG	Risk to existing structures does not increase due to better floodplain management practices; Annual flood risk to new construction in participating communities will be <1%	Number of entities participating in CRS.	Protect against loss of life and property (362.3.b.13-14)	4001
5001	Reduce number of vulnerable buildings/structures/critical facilities within the 1% existing flood hazard layer by 20%.	Short Term (10-year)	2033	Entire RFPG	80% of identified structures will have an annual risk of flooding of >1%;	Number of structures removed from existing flood hazard layer	Protect against loss of life and property (362.3.b.13-14)	5002
5002	Reduce number of vulnerable buildings/structures/critical facilities within the 1% existing flood hazard layer by 50%.	Long Term (30-year)	2053	Entire RFPG	50% of identified structures will have an annual risk of flooding of >1%;	Number of structures removed from existing flood hazard layer	Protect against loss of life and property (362.3.b.13-14)	5001



Goal ID	Goal	Term of Goal	Target Year	Applicable to	Residual Risk	How Will the Goal Be Measured	Overarching Goal(s)	Associated Goal IDs
6001	Increase percentage of communities with dedicated funding sources for operations & maintenance of storm drainage system to 35% of communities.	Short Term (10-year)	2033	Entire RFPG	Entities without dedicated funding have no change in flood risk; entities with new funding sources have reduced risk as stormwater O&M and capital projects are implemented	Number of entities with dedicated funding sources for stormwater operations and maintenance	Protect against loss of life and property (362.3.b.13-14)	6002
6002	Increase percentage of communities with dedicated funding sources for operations & maintenance of storm drainage system to 60% of communities	Long Term (30-year)	2053	Entire RFPG	Entities without dedicated funding have no change in flood risk; entities with new funding sources have reduced risk as stormwater O&M and capital projects are implemented	Number of entities with dedicated funding sources for stormwater operations and maintenance	Protect against loss of life and property (362.3.b.13-14)	6001

At the September 8, 2021, RFPG meeting, the committee agreed that there will not be a requirement for local governments to adopt minimum standards before Flood Management Evaluations (FME), Flood Management Studies (FMS), and Flood Management Projects (FMP) for their community can be included in the 2022 regional flood plan.

**End of Memorandum**

# MEMORANDUM

**TO:** Guadalupe River Regional Flood Planning Group (RFPG)  
**FROM:** Jay Scanlon, PE, CFM – Freese and Nichols, Inc.  
**SUBJECT:** Process for Identification and Selection of FMEs, FMPs, and FMSs  
**DATE:** 9/27/2021  
**PROJECT:** Guadalupe Region 11 2023 Regional Flood Plan (FNI Project No. GBA21362)

The Task 4 of the Scope of Work (SOW) for the development of the Regional Flood Plan requires the RFPG and technical consultant to identify, evaluate, and recommend Flood Management Evaluations (FMEs), Flood Mitigation Projects (FMPs), and Flood Management Strategies (FMSs) to be included in the RFP and the cumulative State Flood Plan (SFP). This includes developing a process for “identifying potential FMS and potentially feasible FMSs and FMPs.” This memorandum is provided to document the proposed process for this task. Freese and Nichols (FNI) proposes the Planning Group discuss and adopt the process at the October RFPG meeting to be held on October 6, 2021.

The proposed process was introduced during the September 8, 2021, meeting of the Planning Group and RFPG member input regarding potential screening criteria was solicited through a separate survey.

## Background

Identification and evaluation of FMEs, FMPs, and FMSs occurs under Task 4B, with recommendations being developed as part of Task 5. Each of these recommendations must tie back to the floodplain management goals adopted by the RFPG and must contribute to the assessment and mitigation of flood risk across the basin.



Figure 1 - Identification of FMEs, FMSs, and FMPs

FMEs, FMSs, and FMPs are broadly categorized as “flood risk reduction actions” (henceforth, “actions”) in the Technical Guidelines. During the first planning cycle it is anticipated that the distribution of recommended actions all likely to be weighted toward FMEs due to the lack of sufficiently complete or current flood studies. Unsurprisingly, not every conceivable FME can or will be recommended for inclusion in the plan. The RFPG and the Technical Consultant (TC) must decide which potential FMEs will be recommended in the RFP so that limited state and stakeholder resources can be directed efficiently and accordingly to implement those studies.

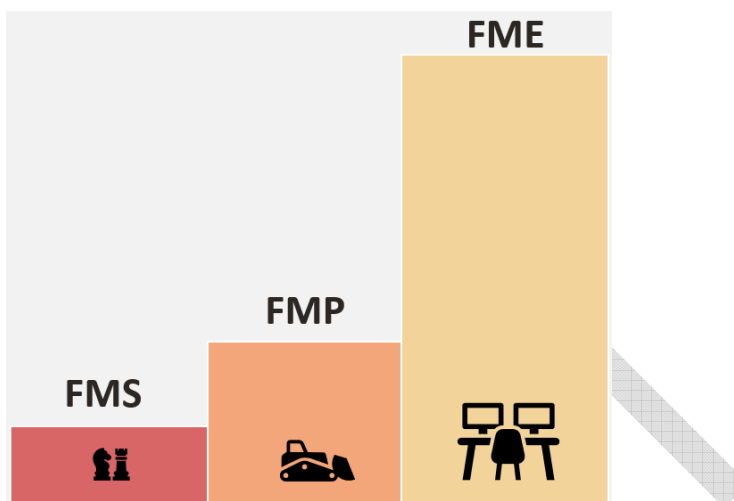


Figure 2 - Likely Flood Risk Reduction Action Distribution

Similarly, stakeholders will likely propose projects and strategies for managing flood risk that could be candidates for inclusion in the plan and eligible for state funding. Each FMP and FMS identified by the TC will be screened to determine if the FMP or FMS is potentially feasible. At a minimum, FMPs and FMSs must be developed in an adequate level of detail to furnish the required technical information and adhere to the minimum criteria set forth in the SOW, the Rules, and the Technical Guidelines.

For FMPs, these minimum criteria include having appropriate hydrologic and hydraulic (H&H) models required to evaluate the project that adhere to Mapping and Modeling Guidelines and a requirement that the FMP cause No Negative Impact on a neighboring area. These requirements must also be met for FMSs, as applicable. These standards are described in Section 3.5 and Section 3.6 of the Technical Guidelines.

### Identification

Identification of potential FMEs and potentially feasible FMPs and FMSs begins with the development of the Flood Mitigation Needs Analysis (Task 4A). Generally, this task is meant to guide action evaluation and recommendation by highlighting:

- The areas with the greatest gaps in flood risk knowledge that should be considered for potential FMEs.
- The areas of greatest known flood risk and flood mitigation needs that should be considered for implementation of potentially feasible FMSs and FMPs.

FNI has developed a process for identifying areas of greatest need based on application of the minimum requirements outlined in the TWDB rules and guidance. The process is summarized in **Table 1**, below.



**Table 1: Guidance for Assessment and Identification of Flood Mitigation Needs**

Guidance	Factors to Consider
1. Most prone to flooding that threatens life and property	<ul style="list-style-type: none"> <li>• Area overlapped by inundation mapping and/or included in any historical flooding record</li> <li>• Building footprints / polygons within flood hazard layer</li> <li>• Fully developed flood models (where available)</li> <li>• Low water crossings</li> <li>• Agricultural areas at risk of flooding</li> </ul>
2. Locations, extent and performance of current floodplain management and land use policies and infrastructure	<ul style="list-style-type: none"> <li>• Communities not participating in NFIP and/or without NFIP equivalent or higher standards</li> <li>• City / County design manuals</li> <li>• Community Rating Score (CRS)</li> <li>• Land use policies</li> <li>• Floodplain ordinance(s)</li> </ul>
3. Inadequate inundation mapping	<ul style="list-style-type: none"> <li>• No mapping</li> <li>• Presence of Fathom / BLE / FEMA Zone A flood risk data</li> <li>• Detailed FEMA models older than 10 years</li> </ul>
4. No H&H models	<ul style="list-style-type: none"> <li>• Communities with zero models</li> <li>• Communities with limited models</li> </ul>
5. Emergency need	<ul style="list-style-type: none"> <li>• Damaged or failing infrastructure</li> <li>• Other emergency conditions</li> </ul>
6. Existing models, analysis, and flood risk mitigation plans	<ul style="list-style-type: none"> <li>• Exclude flood mitigation plans already in implementation</li> <li>• Leverage existing models, analyses, and flood risk mitigation plans otherwise</li> </ul>
7. Already identified and evaluated flood mitigation projects	<ul style="list-style-type: none"> <li>• Exclude flood mitigation projects already in implementation</li> <li>• Leverage existing flood mitigation projects otherwise</li> </ul>
8. Historic flooding events	<ul style="list-style-type: none"> <li>• Disaster declarations</li> <li>• Flood insurance claim information</li> <li>• Other significant local events</li> </ul>
9. Already implemented flood mitigation projects	<ul style="list-style-type: none"> <li>• Exclude areas where flood mitigation projects have already been implemented unless significant residual risk remains</li> </ul>
10. Additional other factors deemed relevant by RFPG	<ul style="list-style-type: none"> <li>• Alignment with RFPG goals</li> <li>• Alignment with TWDB guidance principles</li> </ul>

After identification of the areas of greatest flood mitigation need, the TC will review the available data to develop a list of potential flood risk reduction actions for addressing the needs in these areas. The data will include information compiled under previous tasks including:

- Data collection regarding existing flood infrastructure, flood projects currently in progress, and known flood mitigation needs (Task 1).
- Quantification of existing and future flood risk exposure and vulnerability (Tasks 2A and 2B).
- Goals and strategies adopted and/or recommended by the RFPG for addressing existing flood hazards and mitigating future flood risk (Tasks 3A and 3B); and,
- Stakeholder-provided input throughout the flood planning process.

It is anticipated that potential actions will be identified through the data analysis and input from stakeholders. The rules and SOW require FMSs and FMPs to be developed in a sufficient level of detail to be included in the RFP and recommended for state funding. It is not anticipated that the TC will have sufficient data, time, or budget to develop new FMSs and FMPs as part of this planning cycle. Rather, the list of potentially feasible FMSs and FMPs will be compiled based on contributions from the RFPG and

other regional stakeholders from sources such as previous flood studies, hazard mitigation action plans, drainage master plans, and capital improvement programs.

### Evaluation

Once potential flood risk reduction actions are identified and categorized by the type of need as outlined in **Table 1**, a six-step screening process (**Figure 3**) will be used to determine if the actions, particularly FMSs and FMPs, have been developed in enough detail and include current technical data to meet the TWDB's minimum requirements for these action types as outlined in the Technical Guidelines.

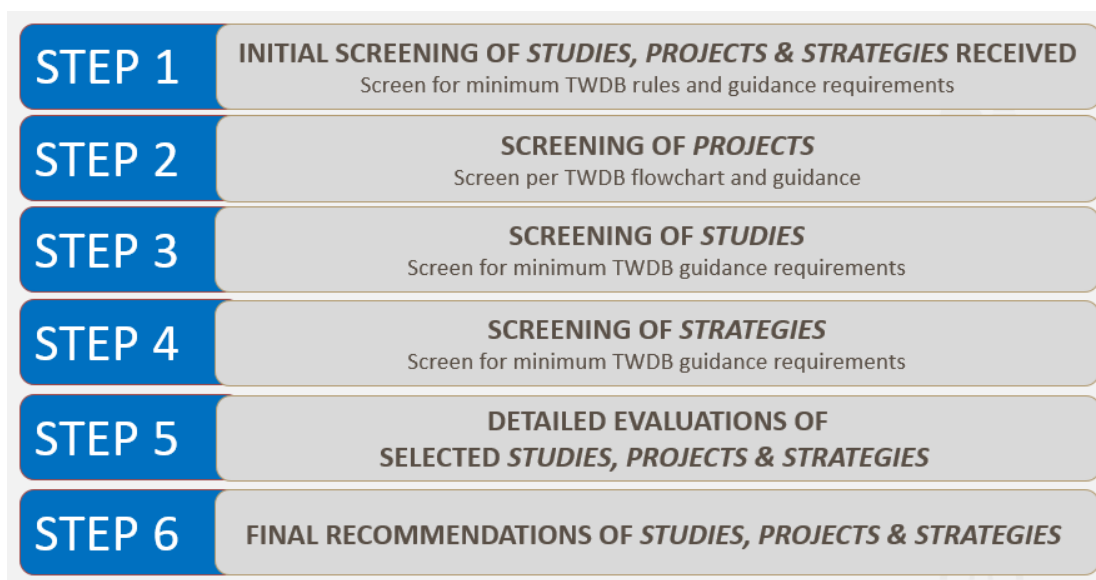


Figure 3 - Proposed Initial Screening Process

More detailed information regarding the six-step process, as presented at the September 8, 2021, RFPG meeting is attached. Based on a survey of the RFPG members, no additional screening criteria was added to Step 1 (initial screening) nor to Step 5 (detailed evaluations) for this planning cycle. Instead, the RFPG will encourage stakeholders to consider other requirements and will state that future planning cycles may include additional criteria for recommendation/inclusion.

### Schedule

The process to identify and evaluate FMEs, FMPs, and FMSs must be approved by the RFPG and included in the Technical Memorandum (TM) submitted under Task 4C. The TWDB established a January 7, 2022, deadline for delivering the TM. The TWDB will review the TM and provide Notice to Proceed (NTP) on Task 5, after which the TC may begin the process of recommending FMEs and FMPs for inclusion in the RFP. The TWDB has not provided an anticipated date for issuance of NTP. As such, the schedule provided in **Table 2** below is the TC's proposed timeline of activities to meet the TM deadline and anticipated schedule of activities after NTP on Task 5.

**Table 2: Proposed Timeline of Activities (tentative)**

<b>Flood Planning Process Activity</b>	<b>Anticipated Date</b>
<b>TC</b> deliver Process for Identification and Evaluation of Potential FMEs and Potentially Feasible FMPs and FMSs TM to <b>RFPG</b> for review	September 27, 2021
<b>RFPG</b> vote to approve process at September meeting	October 6, 2021
<b>TC</b> present identified potential FMEs and potentially feasible FMPs and FMSs to <b>RFPG</b> at November meeting	November 3, 2021 (est.)
<b>TC</b> refine list of identified potential FMEs and potentially feasible FMPs and FMSs and deliver draft TM to <b>RFPG</b> for review	November 24, 2021
<b>RFPG</b> vote to approve and submit TM	December 2021 (date TBD)
<b>TC</b> deliver TM to <b>TWDB</b>	January 7, 2022
<b>TWDB</b> review TM; <b>TC</b> continue process to evaluate FMEs, FMPs, and FMSs	January 2022 – TBD
<b>TWDB</b> issue NTP on Task 5; <b>TC</b> to begin process of recommending FMEs, FMPs, and FMS for inclusion in RFP	TBD (after NTP by TWDB)

When reviewing and considering whether to approve drafts of the TM, the RFPG members should note that the TWDB has established the TM as a work-in-progress deliverable. The TWDB has further clarified that RFPGs can make changes to the content included in TM after the submittal deadline and “content of the draft and final versions of each regional flood plan will supersede all content included in any previous deliverables.”

As such, the TM does not need to include the final list of potential flood risk reduction actions. Actions can be updated, added, or removed as additional flood risk information or other details are evaluated by the RFPG and TC and through future engagement with stakeholders.

**End of Memorandum**

**Attachment - Screening Process**

DRAFT

## Task 4B: Proposed Process

**STEP 1**

**INITIAL SCREENING OF *STUDIES, PROJECTS & STRATEGIES* RECEIVED**

Screen for minimum TWDB rules and guidance requirements

**STEP 2**

**SCREENING OF *PROJECTS***

Screen per TWDB flowchart and guidance

**STEP 3**

**SCREENING OF *STUDIES***

Screen for minimum TWDB guidance requirements

**STEP 4**

**SCREENING OF *STRATEGIES***

Screen for minimum TWDB guidance requirements

**STEP 5**

**DETAILED EVALUATIONS OF  
SELECTED *STUDIES, PROJECTS & STRATEGIES***

**STEP 6**

**FINAL RECOMMENDATIONS OF *STUDIES, PROJECTS & STRATEGIES***

# Task 4B: Proposed Process

## STEP 1

### INITIAL SCREENING OF *STUDIES, PROJECTS & STRATEGIES* RECEIVED

Screen for minimum TWDB rules and guidance requirements

- Floodplain Management or Flood Mitigation Goal
- Emergency Need
- Drainage area greater or equal to 1 square mile\*
- Reduces 100-yr (1% annual chance) flood risk

\*except in instances of flooding of critical facilities or transportation routes or for other reasons, including levels of risk or project size, determined by the RFPG



# Task 4B: Proposed Process

## STEP 2

### SCREENING OF PROJECTS

Screen per TWDB flowchart and guidance

- Sufficient Data to Assess – modeling, mapping, reliable
- Net Negative Effect – 100-yr (1% ACE) inundation of structures and/or property
- Sufficient Detail – flood severity metrics, risk/damage reductions, capital and O&M costs, benefit/cost ratios, environmental benefits/impacts, implementation constraints, and others...



# Task 4B: Proposed Process

## STEP 3

### SCREENING OF *STUDIES*

Screen for minimum TWDB guidance requirements

- Projects that do not have sufficient data/detail
- Planned evaluations provided by communities
- Other evaluation identified in Task 4A
- Screening
  - *With existing H/H – study mitigation alternative*
  - *Sensible*
  - *Reasonable planning level cost estimate*
  - *Identified Sponsor*
  - *Structures/population and Critical facilities at risk*
  - *Roadways at risk*
  - *Farm and Ranch land at risk*



# Task 4B: Proposed Process

## STEP 4

### SCREENING OF *STRATEGIES*

Screen for minimum TWDB guidance requirements

- Proposed action that does not qualify as Project or Study
- Flexible
- Screening
  - *Planning level cost estimate*
  - *Identified Sponsor*
  - *Estimated flood risk and flood risk reduction*



## Task 4B: Proposed Process

### STEP 5

#### DETAILED EVALUATIONS OF SELECTED *STUDIES, PROJECTS & STRATEGIES*

- Benefit-Cost Ratio > 1.0
- Identified willing Sponsor(s)
- No known insurmountable implementation constraints (ROW, utility conflicts, permitting, etc.)
- **RFPG specific requirements to incorporate a project or strategy into the RFP?**
  - Example: Must include X% of “other” benefits?
    - Environmental/water quality
    - Water Supply
    - Erosion/sedimentation
    - Recreational
  - Example: X% of project includes nature-based solutions?

# Guadalupe Regional Flood Plan Public Comment Tracking Matrix

Comments Received Via [comments@guadaluperfpg.org](mailto:comments@guadaluperfpg.org)

August 5, 2021 – September 8, 2021

Date	Name/Affiliation	Comment/Question	Assigned to GBRA/FNI Team Member and Response
9/3/2021	Dan Gibson	<p>I am unable to attend in person or remotely due to the heavy workload in my office. We are having to decline any meetings that are not direction related to our core functions at this time.</p> <p>DAN GIBSON, AICP City Planner</p>	<p>Assigned to: Response:</p>
9/1/2021	Lance Kyle	<p>Dear GRFPG-</p> <p>I got your contact info from Annalisa Peace at the GEAA. I've got two questions:</p> <p>1) Can the GRFPG provide state or federal aid to fix the stormwater time bomb in the Cascade Caverns Watershed in Boerne, Texas?</p> <p>2) Can the GRFPG arrange funding to purchase critical recharge areas in Kendall County like the Pfeiffer Tract which are being threatened by development? Please see attached. Thanks.</p> <p>Lance Kyle   LinkedIn (703) 785-7953</p> <p>**Attached two pdfs (Boerne Flood History and Pfeiffer's Water Cave) and an</p>	<p>Assigned to: FNI Response:</p> <p>The Guadalupe RFPG appreciates your interest in the flood planning process, and was happy that your analysis of the frequency of major flood events agrees with ours. We will present to the next planning group meeting.</p> <p>Guadalupe RFPG cannot provide/arrange funding, only tasked with estimating the funding required to implement Flood Management Strategies and Flood Management Projects. Your proposals can be considered for inclusion in the plan, which would make them eligible for some TWDB funding. A member of our team will reach out to arrange a chance</p>

# Guadalupe Regional Flood Plan Public Comment Tracking Matrix

Comments Received Via [comments@guadaluperfpg.org](mailto:comments@guadaluperfpg.org)

August 5, 2021 – September 8, 2021

Date	Name/Affiliation	Comment/Question	Assigned to GBRA/FNI Team Member and Response
		aerial image of the Cascade Caverns Watershed.	to visit and gather additional information.
8/18/2021	Marjorie Lucey	Hi! I recently started getting your newsletter and I think it is great! It is a true service to those of us who care about the environment. I have a complaint about TXDOT. I never realized how bad for the environment they are. When they were trying to push through the changes to Wurzbach Pkway the plan involved the destruction of the mature trees along the parkway. I was appalled! At a time when the western US is experiencing horrendous fires it really hit home what they wanted to do! Not to mention I live right off of Wurzbach! We cannot let private and public entities destroy our mature trees! We have to stop the destruction of our planet and slowing TXDOT is a step in the right direction.	Assigned to: B&A Response: The Guadalupe Regional Flood Planning Group appreciates your interest in the regional flood planning process. Thank you for these comments and input.
8/16/2021	Elizabeth (Lisa) Arceneaux, P.E., CISEC, CPESC/City of San Marcos	Hi Lauren, You know me and how I'm a big proponent of using green infrastructure to protect our streams from receiving too much volume, and also stormwater with pollutant loading. So I would like to	Assigned to: B&A Response: From Alicia- The RFPG appreciates your interest in the regional flood planning process. Thank you for taking the time to provide us with these comments and input

# Guadalupe Regional Flood Plan Public Comment Tracking Matrix

Comments Received Via [comments@guadaluperfpg.org](mailto:comments@guadaluperfpg.org)

August 5, 2021 – September 8, 2021

Date	Name/Affiliation	Comment/Question	Assigned to GBRA/FNI Team Member and Response
		<p>include lots of options for green infrastructure in the plan to filter, infiltrate and detain storm water runoff. Here are some other suggestions that I think would help with inland flooding in cities like San Marcos:</p> <ol style="list-style-type: none"> <li>1. Purchase flood-prone lands for parks and open space- make the parks infiltration areas that also provide recreational space and connected by trails.</li> <li>2. Place more stringent building rules and regulations within the flood way and floodplain- do not allow exceptions to the rules like many land development codes do.</li> <li>3. Give more power to the counties to regulate things like break-away structures and activities in the floodplain and flood way</li> <li>4. Allow lots to be stormwater management lots by building the structure on pier and beam or elevated and allowing the stormwater to flow under the house. Allows stormwater to spread out over a larger area of lot when it rains</li> </ol>	<p>Added email address to stakeholder list.</p>

# Guadalupe Regional Flood Plan Public Comment Tracking Matrix

Comments Received Via [comments@guadaluperfpg.org](mailto:comments@guadaluperfpg.org)

August 5, 2021 – September 8, 2021

Date	Name/Affiliation	Comment/Question	Assigned to GBRA/FNI Team Member and Response
		<p>5. Increase protection of karst recharge features in the Guadalupe River basin</p> <p>6. Add more green infrastructure and low impact development in urbanized areas through permeable pavement, cisterns, rain gardens, and green roofs. Incentivize these projects for funding with lower qualifying percentage of the total project (5% instead of 30%) and increasing the amount subsidized to 80-100% for up to \$500,000 or some other maximum deemed reasonable.</p> <p>7. Require 2D flood modeling with the NOAA Atlas 14 updated rainfall runoff predictions for the entire watershed basin</p> <p>8. Include future development and land cover change scenarios that come with population growth in the modeling.</p> <p>9. Fund 100% Green Infrastructure Master Plans and Green Infrastructure Implementation Plans for those cities that have a Watershed Protection Department</p> <p>10. Incentivize projects with higher subsidy that have triple bottom line benefits: environment, economic, equity.</p>	

# Guadalupe Regional Flood Plan Public Comment Tracking Matrix

Comments Received Via [comments@guadaluperfpg.org](mailto:comments@guadaluperfpg.org)

August 5, 2021 – September 8, 2021

Date	Name/Affiliation	Comment/Question	Assigned to GBRA/FNI Team Member and Response
		<p>We have a great project that is being discussed but not committed to by city staff in San Marcos called the Green Alley Initiative that would convert 2.5 acres of underutilized downtown alleys into permeable paved alleys that are activated for public use and environmental benefit. The FIF would be a great option that the San Marcos City Council could consider to help get this off of the conceptual phase and into a preliminary engineering report. The options mentioned above could really benefit this kind of project and show the potential of activating alleys in this manner to store large volumes of stormwater (up to 475,000 gallons per rain event) while giving the downtown area a real boost in appearance and social function. This green infrastructure could alleviate the grey infrastructure by holding rainfall and reducing the height of the peak flow reaching the grey infrastructure piping. The end result is cleaner water to the river, and not having to upsize the grey infrastructure, plus economic benefit to downtown. I hope you all can consider</p>	

# Guadalupe Regional Flood Plan Public Comment Tracking Matrix

## Comments Received Via [comments@guadaluperfpg.org](mailto:comments@guadaluperfpg.org)

August 5, 2021 – September 8, 2021

Date	Name/Affiliation	Comment/Question	Assigned to GBRA/FNI Team Member and Response
		some of these options for the plan. Thanks!	
8/16/2021	Melissa Reynolds/ First Assistant City Engineer of New Braunfels	Jay,  Our team uploaded low water crossings, MS4, historic flood closures, and drainage as both shapefiles and in a database format. The map upload was a bit confusing for municipal data so we also included some contact information. We have a great deal of data available for open download on our webpage which is how GLO retrieved most of it. We are open to meeting (Teams works well for us) if that would help facilitate any other data needed by the RFPG.  Please let me know if we can be of further assistance.	Assigned to: FNI Response: From Jay Scanlon – Recognition that the data had been received, and that a teams meeting would be scheduled to discuss data and ways to improve the upload function in the interactive tool.
8/7/21	Shirley Solis/ Greater Comfort Area Chamber of Commerce	Please add my email address to your mailing list.	Assigned to: B&A Response: Added email address to stakeholder list.
8/7/21	Margaret Gomez/Travis County	Referred the RFPG to <a href="mailto:Shawn.snyder@traviscountytx.gov">Shawn.snyder@traviscountytx.gov</a> since she is up with all our records on flooding	Assigned to: B&A Response: Pending. Added Ms. Snyder to contact list.



**Guadalupe Regional Flood Plan  
Public Comment Tracking Matrix**  
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August 5, 2021 – September 8, 2021

Date	Name/Affiliation	Comment/Question	Assigned to GBRA/FNI Team Member and Response
		in my precinct as well as wherever it happens in Travis County. Continues to have interest in addressing flooding and process.	

## Guadalupe Regional Flood Planning Group - Public Comment Tracking Matrix

For Public Meeting October 6, 2021

Comments received September 9, 2021 – September 24, 2021

Comments Received Via [comments@guadalupefpg.org](mailto:comments@guadalupefpg.org)

Date Comment Received	Name/Affiliation of Commenter	Comment/Question	Respondent and Response Date
9/16/2021	Commissioner Jonathan Letz Kerr County	<p>To: FNI Project Team Re: Data Submission</p> <p>Adam,</p> <p>I sent in the questionnaire.</p> <p>At the public meeting in Seguin, I mentioned again that Kerr County had five projects we would like to submit. One on these projects was presented to the board. I was under the impression that projects were to be submitted by 8/31/2021. We never heard what to submit or in what format.</p> <p>Kerr County will likely be the sponsor for any flood mitigation project in the county. Kerr County Commissioners Court does not have a seat on the flood planning board. Therefore, it is critical that that we be kept in the loop outside meetings.</p> <p>To date no consultant for the planning group has contacted anyone at our county level. This is becoming a concern.</p> <p>Thanks, Jonathan Letz</p>	Respondent: FNI Staff (Adam) Response Date: 9/17/21
9/16/2021	Raymond Buck Jr. General Manager Upper Guadalupe River Authority	<p>To: FNI Project Team Re: Data Submission</p> <p>Adam,</p> <p>I spoke with Commissioner Letz today about materials he was going to submit to the consultants. I understand he did not receive a reply to his email query on how to do so. I hope he can still submit and copied him on this email so you can reply directly.</p> <p>Thanks for taking care of this.</p>	Respondent: FNI Staff (Adam) Response Date: 9/17/21

## Guadalupe Regional Flood Planning Group - Public Comment Tracking Matrix

For Public Meeting October 6, 2021

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		Ray	
9/12/2021	James 'JP' Fancher, DDS, PhD General Public	<p>To: Region 11 Regional Flood Planning Group Re: Meeting 8 September 2021</p> <p>Thank you for the opportunity to observe this regularly scheduled meeting. I hope to be able to observe and participate in all meetings in the future. My wife and I live on the banks of the San Marcos River in Guadalupe County across the stream from Martindale. We both have a great interest in issues concerning local and regional water management, flood plain and land management. I reviewed the online presentations in August. I added comments and also completed the online survey. I appreciate the time and effort that this working group is committed to completing in the next many months. It appeared to me that this group is still in the early stages of forming and developing a consensus to carry out the mandates and create deliverables. I was particularly glad to hear that the general purpose of this working group is to develop ideas and plans for action, not just recommendations for concrete projects. It is also my understanding that this group has no approval authority for projects but is a regional voice to gather information for further coordination. I have many ideas to share with you as this group progresses. The first is to consider that water management is much more than planning for floods. It also involves conserving a key resource that is in high demand 24/7 throughout this region and the entire state. I urge you to keep in mind that aquifer protection must work hand-in-hand with flood management. Retaining water for daily use as a key community resource is part of the solution to flood management. Please consider such innovations as swell and berm construction throughout the savannah, woodlands, and developed areas that make up the majority of this region's landscape; an innovation that will slow the runoff of water and charge the aquifer systems. I look forward to the next meeting when it is scheduled.</p>	<p>Respondent: Blanton &amp; Associate Staff (Vanessa) Response Date: 9/14/21</p>
9/9/2021	Ken Gill County of Victoria	<p>Provided documents relating to Victoria County's Storm Drainage Master Plan (including pdf maps) and Drainage Criteria Manual. link to the Spring Creek Study for Victoria County</p>	<p>Respondent: Blanton &amp; Associate Staff (Vanessa) Response Date: 9/14/21</p>

## Guadalupe Regional Flood Planning Group - Public Comment Tracking Matrix

For Public Meeting October 6, 2021

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9/9/2021	John Johnston County of Victoria	Provided a link to the Spring Creek Study for Victoria County	Respondent: Blanton & Associate Staff (Vanessa) Response Date: 9/14/21
9/9/2021	John Johnston County of Victoria	Provided map kmz dataset related to flood impact resources used by the City and County during a forecasted flood of the Guadalupe river.	Respondent: Blanton & Associate Staff (Vanessa) Response Date: 9/14/21

## Agenda Item 10

Consider date and agenda items for next meeting

# Agenda Item 11

## Public General Comments

Public Comments limited to 3 minutes per speaker

# Agenda Item 12

Adjourn