

Agenda Item #10. Proposed Process for Identifying Potential Flood Management Evaluations, Strategies, and Projects for the 2023 Nueces Regional Flood Plan

The process outlined below for identifying and selecting FMEs, FMSs, and FMPs was developed by the Region 13 subcommittee (consisting of Debra Barrett, Lj Francis, Kendria Ray, and Lauren Williams) on August 23rd for Nueces RFPG consideration at its Sept 27th meeting with public input.

- 1) The Nueces RFPG solicited public and stakeholder comments related to identifying potential FMEs, FMS, and FMPs, as follows:
 - Deploying a public comment map on the Region 13 website [Home - Nueces Regional Flood Planning Group \(Region 13\) \(nueces-rfpg.org\)](https://www.nueces-rfpg.org), requesting feedback on flood-prone areas in the Nueces Basin. The comment map was open from April through August 2021. As of July 23rd, 185 comments on flood-prone areas were received.
 - A survey requesting information on proposed/ongoing flood projects was sent on June 18, 2021 to over 400 floodplain administrators and stakeholders in the Nueces Basin.
 - Direct outreach included four sub-regional meetings held May 17-20th, personal emails to floodplain administrators, and follow-up phone calls to selected municipalities to gather information on local and regional flood plans in the Nueces Basin and flood planning needs. As of August 17th, 32 entities had completed a survey on existing floodplain practices.
- 2) A subcommittee formed during the July 26th Nueces RFPG meeting consisted of voting and non-voting NRFPG members met on August 23rd to develop a draft process for identifying projects.
- 3) The Nueces RFPG will receive public comment at the September 27th meeting on the proposed process to be used to identify and select FMEs, FMSs, and FMPs.
- 4) Ongoing/proposed projects and flood-prone areas will be reviewed to identify project needs and data gaps.
- 5) Considering information provided by stakeholders, an initial screening of studies, projects and strategies will be performed based on the following metrics:
 - Addresses flood mitigation/ floodplain management goals adopted by the NRFPG
 - Prioritize emergency needs
 - Consider prevention projects to mitigate future flooding
 - Consider identified projects within a lens of potential impact to Agreed Order provisions
 - Indication regarding potential use of federal funds, TWDB, or other sources of funding and include a table of potential funding sources in the draft and final plan
 - Reduces flooding risk (benefits life and property) for drainage areas of 1 sq mile or more
 - Assess potential for including nature-based solutions and applicability
 - Unlikely to negatively affect a neighboring area (FMS or FMP only)
 - Reduces flood risk for 100-year storm event (1% annual chance of flood)(FMS or FMP only)
- 6) Using TWDB guidance (next page), a draft list of FMEs, FMSs, and FMPs will be compiled for consideration by the Nueces RFPG at its meeting in Oct/Nov 2021. Infeasible FMSs and FMPs will be identified, including primary reason for deeming infeasible.
- 7) A list of potential FMEs and potentially feasible FMS and FMPs identified by the NRFPG and infeasible FMSs and FMPs will be included in the Technical Memorandum due to TWDB in Jan 2022.
- 8) The Nueces RWPG will consider and submit a scope of work to the TWDB of FMEs, FMSs, and FMPs to be evaluated in the 2023 Nueces Regional Flood Plan.

Flood Management Evaluation (FME)- flood study of a specific flood prone area needed to assess risk

Flood Mitigation Project (FMP)- structural or non-structural project that when implemented will reduce flood risk, mitigate hazards to life or property. Includes nature-based solutions. 'No negative impact'

Flood Management Strategy (FMS)- proposed plan to reduce flood risk or mitigate flood hazards. Any action that a RFPG would like to evaluate and recommend that does not qualify as FME or FMP.

- 9) The process by which potentially feasible FMS are selected for evaluation in the 2023 Nueces Regional Flood Plan will be revisited and updated (if necessary) after submittal of the technical memorandum. A description of process will be included in draft and final plans.

TWDB guidance for designating FMEs/FMPs (from TWDB)

