



**Technical Subcommittee**  
**February 10, 2022**






1. Call to order



## 2. Roll call



### 3. Selection of Subcommittee Chair, Vice-Chair and Secretary



## 4. Consultant Update



## Agenda

1.

2.

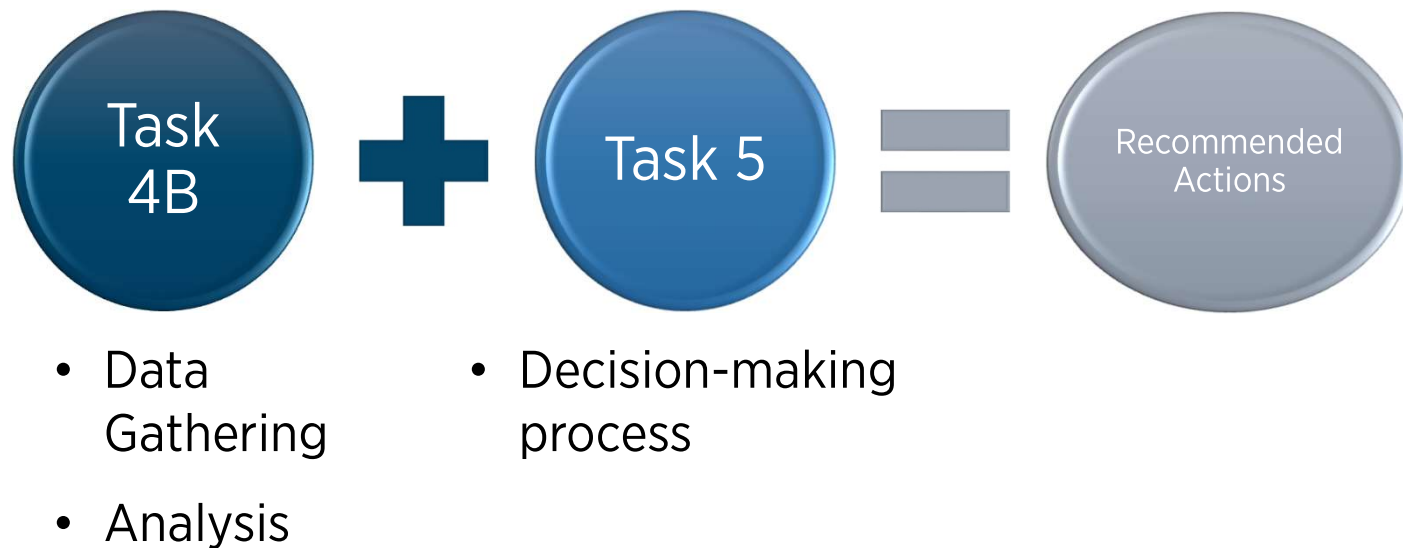
3.

4.

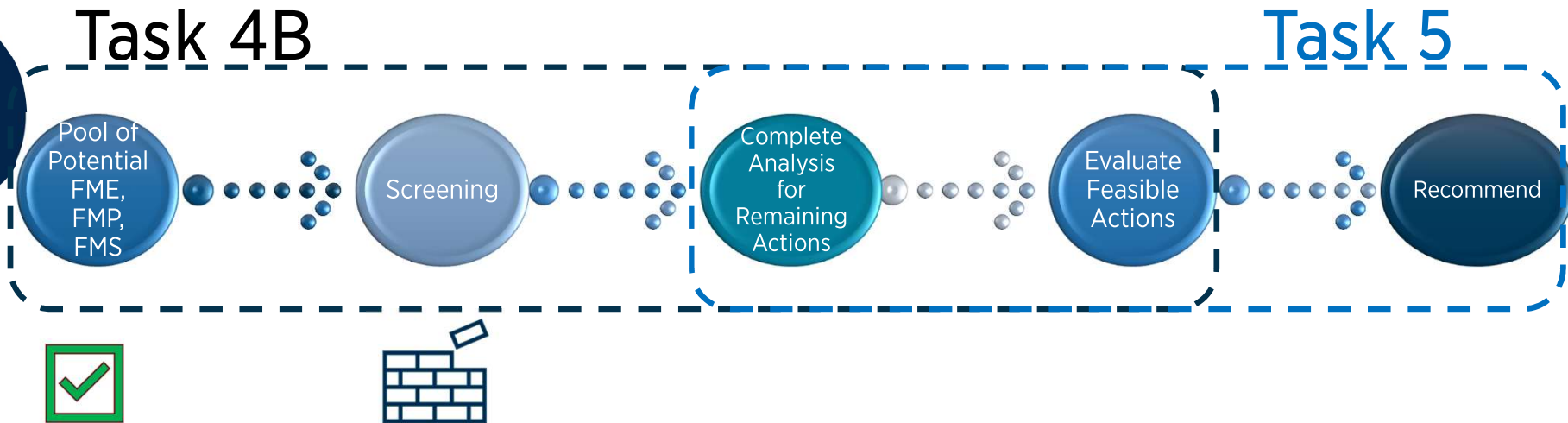
# CONSULTANT UPDATE

- **Narrowing down potentially feasible to recommended FMEs, FMPs and FMSs**
  - Overview and approach
  - Pre-screening of potential projects
  - Potential project sponsors

# Task 4B & 5 Interdependency

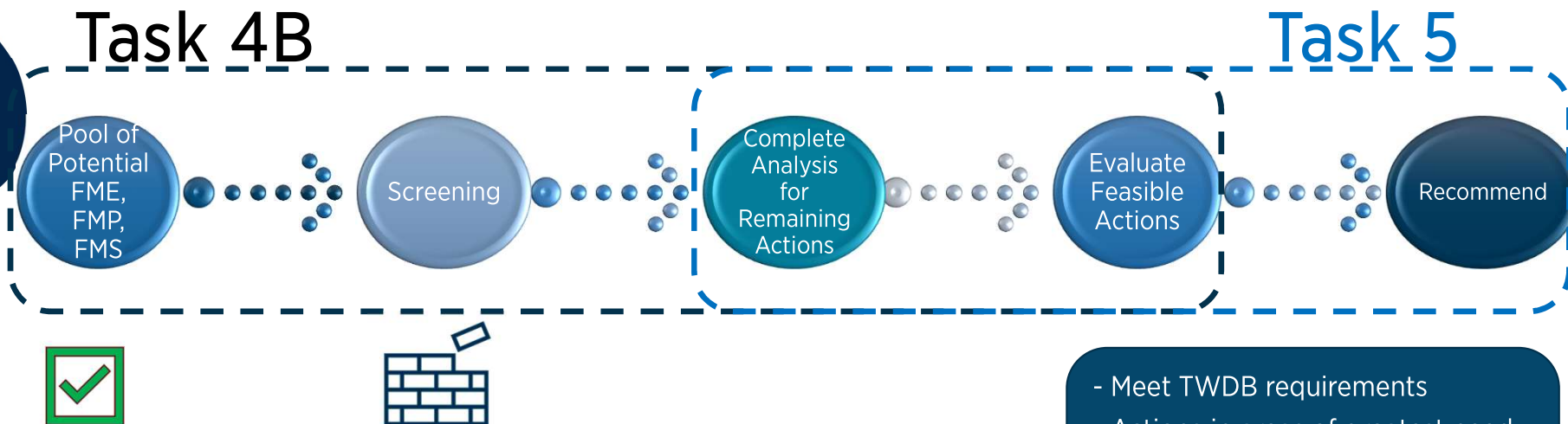


# Task 4B & 5 General Strategy





# Task 4B & 5 General Strategy



- Meet TWDB requirements
- Actions in areas of greatest need
- Actions with highest flood risk indicators and potential for benefit
- Sponsor support

# Process for Recommending FMEs

Screening

*“Not every conceivable FME will be recommended. The RFPG and technical consultant must decide which identified potential FME will be recommended.”*

## 1. Goals

- Remove FMEs that do not support a goal.



## 2. Contact Sponsors

- Verify if study has been completed.
- Verify interest in potential FME.
- Request additional data to refine FME Areas.
- Remove FMEs that have been completed or Sponsor is not interested.

## 3. Analysis

- Refine FME areas as needed.
- Populate Flood Risk Indicators.
- Calculate cost for FME.

Complete  
Analysis  
for  
Remaining  
Actions

# Process for Recommending FMEs

Screening

*“Not every conceivable FME will be recommended. The RFPG and technical consultant must decide which identified potential FME will be recommended.”*

## 1. Goals

- Remove FMEs that do not support a goal.



## 2. Contact Sponsors

- Verify if study has been completed.
- Verify interest in potential FME.
- Request additional data to refine FME Areas.
- Remove FMEs that have been completed or Sponsor is not interested.

## 3. Analysis

- Refine FME areas as needed.
- Populate Flood Risk Indicators.
- Calculate cost for FME.
- Propose FMEs, as needed, in areas of greatest need (Use Task 4A results).

Complete Analysis for Remaining Actions

### Flood Risk Indicators

- Structures in 100-yr floodplain
- Population at 100-yr flood risk
- Critical facilities at 100-yr flood risk
- # of low water crossings
- Farm and ranch land at 100-yr flood risk
- Roads at 100-yr flood risk

# Process for Recommending FMEs

Evaluate  
Feasible  
Actions

*“Recommend FMEs that the RFPG determines are most likely to result in identification of potentially feasible FMSs and FMPs”*

## 4. Evaluate

- Quantifiable results to ID FMEs with the most complete information and/or could result in the greatest benefits.
- Identify FMEs that have real potential to develop into FMP for the next cycle.
- Identify FMEs that could be promoted to FMP (*RFPG to decide whether FMEs will be performed during this planning cycle as part of Task 12*).
- Evaluate new proposed FMEs from Step 3 (Use Task 4A results).

## 5. Goals

- Review selected FMEs to verify if they cover all short-term goals.
- Develop additional FMEs as needed to cover missing short-term goal.
- Identify Sponsors for additional FMEs and obtain their commitment.

Recommend

## 6. Recommend

- Final FME Recommendations.

# Process for Recommending FMPs

## Screening

*“The RFPGs will recommend specific FMPs in the regional flood plan. The primary function of each recommended FMP must be flood risk reduction and they must include quantifiable flood risk reduction benefits.”*

### 1. Goals

- Remove FMPs that do not support a goal.



### 2. Unfeasible

- Focuses on addressing response and recovery rather than mitigation.
- Does not provide flood mitigation for the 100-yr flood event (*may still be recommended if RFPG desires*)
- FMP is dependent on another action that was classified as unfeasible.

### 3. Contact Sponsors

- Verify if project has been completed/already funded.
- Verify interest in potential FMP and request commitment to sponsor it.
- Request additional data to refine FMP Areas.
- Remove FMPs that have been completed or Sponsor is not interested.

# Process for Recommending FMPs

Screening

*"The RFPGs will recommend specific FMPs in the regional flood plan. The primary function of each recommended FMP must be flood risk reduction and they must include quantifiable flood risk reduction benefits."*

4. Initial Analysis

- Refine FMP areas as needed.
- Populate Flood Risk Indicators.
- Reduction in Flood Risk
- Calculate costs (consider age of cost estimate)

5. Evaluate

- RFPG Sub-committee determines which FMPs to perform full analysis.

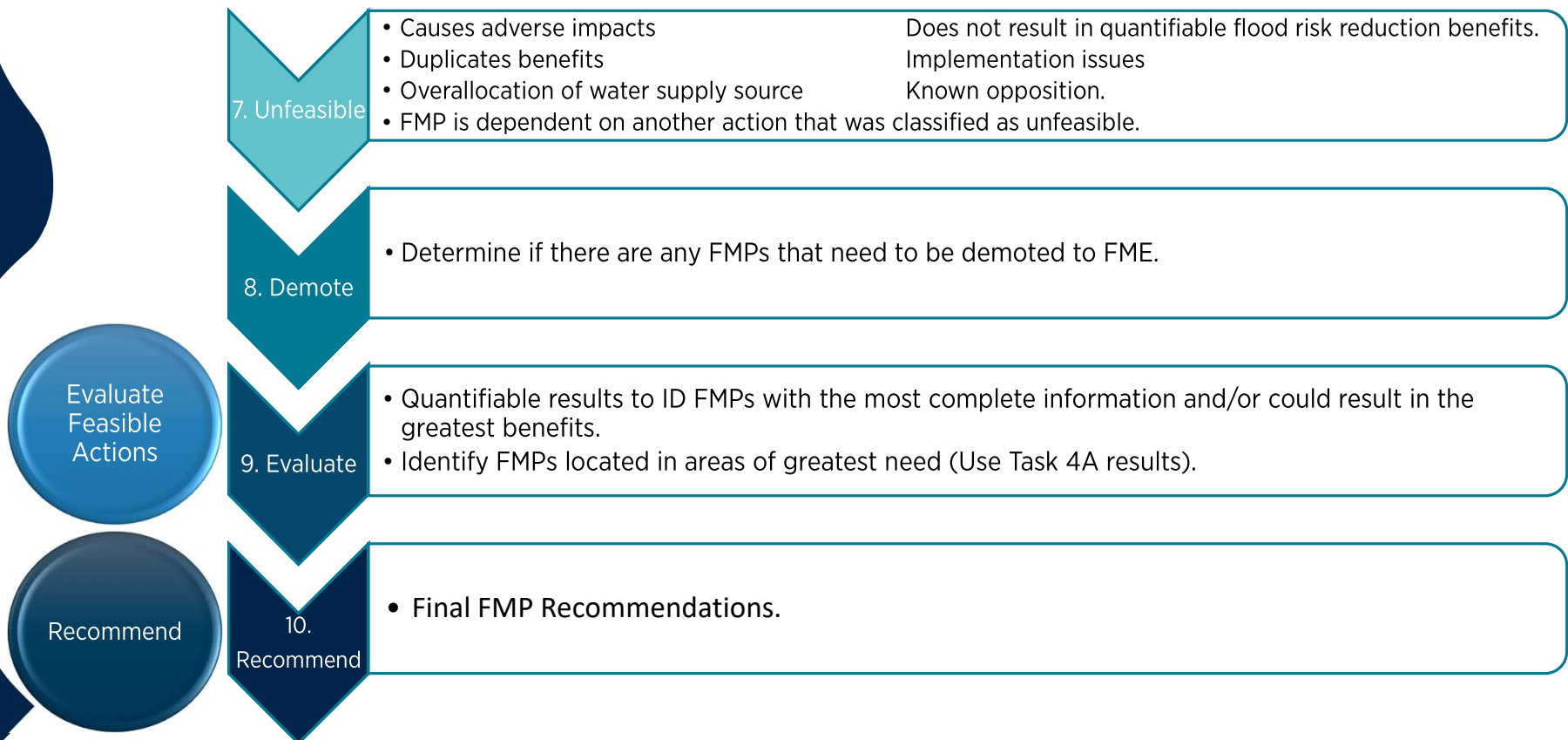
6. Full Analysis

- Negative Impacts Determination
- Benefit-Cost Analysis

Complete Analysis for Remaining Actions

# Process for Recommending FMPs

*"The RFPGs will recommend specific FMPs in the regional flood plan. The primary function of each recommended FMP must be flood risk reduction and they must include quantifiable flood risk reduction benefits."*



# Task 5 and Sub-Committee Meeting Schedule

Feb/10/2022

- 1<sup>st</sup> Sub Committee Meeting
- Present Task 5 Approach and obtain feedback

Mar/15-17/2022

- 2<sup>nd</sup> Sub Committee Meeting
- TC presents Screening and Initial Analysis results
- Evaluate FMEs and FMPs

Apr/4-6/2022

- 3<sup>rd</sup> Sub Committee Meeting
- TC presents Full Analysis for FMPs
- Evaluate FMPs

Apr/19/2022

- TC completes development of additional FMEs

Apr/20-22/2022

- 4<sup>th</sup> Sub Committee Meeting
- Final Recommendations

May/12/2022

- TC submits Chapter 5 Draft to RFPG for review





## 5. General public comments

Limit 3 minutes per person



## 6. Announcements



7. Meeting date for next meeting



## 8. Agenda items for next meeting



## 9. Adjourn