

**SUMMARY OF CHANGES BETWEEN
THE 2021 REGION F INITIALLY PREPARED PLAN
AND THE FINAL 2021 REGION F PLAN**

Summary of Changes between the 2021 Region F Initially Prepared Plan (IPP) and the Final 2021 Region F Plan

The Region F Initially Prepared Plan was approved by the Region F Water Planning Group on February 20, 2020 and published for public and agency review on March 3, 2020. Based on feedback from stakeholders, the Plan has been modified. This summary document describes the major changes since the document was last provided to the Regional Water Planning Group (RWPG). More detail on each major change is included in the Attachments referenced below. Any questions or additional comments on these changes should be directed to Simone Kiel, sfk@freese.com.

Infrastructure Financing Survey Results (Attachment 1)

- In the IPP, Chapter 9 is a placeholder for the results of the infrastructure financing report (IFR). The IFR is the result of a survey performed after the IPP. The survey collects information about when funding will be needed by water user groups with capital cost projects in the plan. Attachment 1 includes a draft final version of Chapter 9 and a new Appendix K documenting the responses to the survey. The RWPG will be asked to approve this chapter and appendix as part of the final plan on September 17, 2020.

Prioritization of Region F Projects (Attachment 2)

- In addition to the Final Region F Water Plan, the RWPG must submit a prioritized list of all recommended projects in accordance with the uniform standards developed by the stakeholders committee. This is not published as part of the final plan but must be approved by the RWPG and submitted to the TWDB. Attachment 2 is a summary memorandum of the methodology used to apply the uniform standards and the draft results for RWPG review. The RWPG will be asked to approve the prioritization for submittal to TWDB on September 17, 2020.

Changes to Water Management Strategies (WMS) and Projects (Attachments 3 and 4): In response to formal and informal comments on the IPP, the following changes have been made to water management strategies and their associated projects in the final plan. The water management strategy technical memorandums (Appendix C) are included for the two new WMSs summarized below (Attachment 3, Menard Develop Alluvial Well Supplies and Attachment 4, West Texas Water Partnership). The RWPG will be asked to approve these changes as part of the final plan on September 17, 2020.

- Bangs: Removal of the direct non-potable reuse project because it was previously implemented.
- Menard:
 - Removal of direct non-potable reuse for irrigation of City Farms WMS because it is no longer feasible.
 - New WMS: Develop Alluvial Well Supplies. A new WMS was added for Menard to drill two additional shallow alluvial wells near the San Saba River to produce 1,000 acre-feet per year. The City will lease a Menard Co WCID #1 irrigation water right to access these supplies. The WMS also includes an expansion of its WTP to treat the additional water supply.

- Junction:
 - Revised the cost of the dredging river intake costs to include necessary modification to the surface water intake structure.
 - Revised the cost of Develop Edwards-Trinity-Plateau Aquifer Supplies WMS based on more detailed information from the City's engineering consultant.
- Changed the online date of the following recommended WMS and projects from 2020 to 2030 since they are unlikely to be implemented prior to January 1, 2023:
 - Advanced Groundwater Treatment – Pecos City
 - Dredge River Intake – Junction
 - New Water Treatment Plant – Big Spring
 - Rehabilitation of Oak Creek Pipeline – Bronte
 - RO Treatment of Existing Supplies – Odessa
 - Water Treatment Plant Expansion – Bronte
- West Texas Water Partnership:

The West Texas Water Partnership consists of the cities of Midland, San Angelo, and Abilene (Region G). At the publication of the IPP, the Partnership plans were not yet public and the Region F IPP showed a placeholder of 15,000 acre-feet for Midland that was not fully evaluated. Since that time, Midland, San Angelo, and Abilene have reached an agreement to develop 28,400 acre-feet of new supply from the Edwards-Trinity Plateau Aquifer in Pecos County (15,000 acre-feet per year to Midland, 5,000 acre-feet per year to San Angelo, and 8,400 acre-feet per year to Abilene). The details of the strategy are still being worked out and new agreements will be needed to finalize the ultimate approach for implementation. For planning purposes, the 2021 Region F plan includes two possible versions of this WMS as follows:

1. **West Texas Water Partnership – Recommended.** Under this version of the strategy, approximately 12 new groundwater supply wells would be drilled in Pecos County to provide 28,400 acre-feet of supply per year. The groundwater would then be transported by pipeline to Midland and San Angelo. Abilene would exchange its share of groundwater from Pecos County for a portion of Midland's and San Angelo's water from Ivie Reservoir. The Partnership will follow up on initial conversations with the CRMWD to explore necessary methodologies and agreements to implement a cooperative use strategy of the Partnership's collective Ivie supplies. Meetings between the parties are anticipated in the late fall/early winter of 2020/2021. This results in more groundwater going to Midland and San Angelo by the exchanged amounts. Advanced treatment will be required for a portion of the groundwater flow to meet regulatory standards and recovery stages are anticipated to reduce losses to be comparable to conventional water treatment processes. This standalone version of the WMS is anticipated to have a capital cost of \$549,093,000.
2. **West Texas Water Partnership – Alternative.** Under this version of the strategy, approximately 12 new groundwater supply wells would be drilled in Pecos County to provide 28,400 acre-feet of supply per year. However, in this version of the WMS, a new pipeline will be built to deliver water to Midland's existing T-bar system only. Under normal operations, all the physical Pecos County groundwater would be supplied to Midland. The Partnership would then develop a cooperative use agreement to make water from the O.H. Ivie reservoir available to the other two cities (5,000 acre-feet per year to San Angelo and 8,400 acre-feet per year to Abilene). If a mutually beneficial cooperative strategy can be

developed between the Partnership and the CRMWD, the need for a pipeline between Midland and San Angelo described in the recommended strategy could be eliminated. Meetings between the parties are anticipated in the late fall/early winter of 2020/2021. Details of negotiations between parties are beyond the scope of regional water planning and the implementation of the strategy is contingent upon all parties reaching a mutually agreeable solution. This alternative version of the WMS is anticipated to have a capital cost of \$327,504,000.

Appendix L: Response to Agency & Public Comments (Attachment 5)

- Region F received comments on the IPP from the Texas Water Development Board, the Texas State Soil and Conservation Board, and the Texas Department of Parks and Wildlife. All of the agencies' comments and responses to the comments are documented in a new Appendix L. Region F received no formal public comments on the IPP and this also documented in Appendix L. The RWPG will be asked to approve this as part of the final plan on September 17, 2020.