

*Amendment Request to Scope of Work
(TWDB Contract No. 0904830873)*

Summary

The Coastal Bend Regional Water Planning Group (RWPG) is requesting updates to projected irrigation water demands for San Patricio and Bee Counties for development of the 2011 Plan. Additional work tasks will be needed to address these proposed revisions. The cost of additional scope of work request is \$18,700. The existing Texas Water Development Board (TWDB)-approved grant for development of the 2011 Region N Plan includes conditional funding in an amount of \$20,000 to incorporate managed available groundwater supplies. According to the Groundwater Management Area (GMA) 16, managed available groundwater supplies will not be available in sufficient time to include in the 2011 Region N Plan. The task for which \$20,000 conditional funding was appropriated, is not needed. It is requested that \$18,700 of the \$20,000 be re-appropriated for the Task 2B (as described below) related to updates to irrigation water demand projections for Bee and San Patricio Counties.

Background and Basis for Amendment Request to Scope of Work

The Coastal Bend RWPG was awarded a grant by the TWDB in August 2008 for development of the 2011 Coastal Bend Regional Water Plan. At the time of the application submittal, the Coastal Bend RWPG anticipated minimal updates to TWDB population and water demand projections since the next census is not scheduled until 2010. There were no requests for revisions to TWDB population or water demand projections identified during the application process. The original grant application included the following limited updates to the 2006 Plan:

Task 2 Population and Water Demand Projections

- Review, coordination, and integration of new water demand projections for steam-electric power water users (from Bureau of Economic Geology and Texas Water Development Board study); and
- Update water demand projections and TWDB database in response to changed (steam-electric) conditions.

Original Grant Funding Provided: \$6,400

Based on recent information provided by the TWDB, GMA 16 and local groundwater conservation districts, it appears that the TWDB's irrigation water demand projections (from 2010-2060) for Bee and San Patricio Counties underestimates expected future irrigation water demands based on historical data. It is important that water demand projections in the 2011 Plan appropriately represent actual conditions and most likely future use, since the local groundwater conservation district and GMA are considering these projections for their development of desired future conditions. At the Coastal Bend RWPG on March 12, 2009, the planning group took preliminary action to request a revision to irrigation water demands for Bee and San Patricio Counties. The formal request was ratified at a regular RWPG and public meeting on June 11, 2009, and sent to the TWDB for consideration on June 26, 2009 after the public comment process period. The additional work tasks listed below will be needed to address revisions to irrigation water demand projections for the 2011 Region N Plan.

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<ADDED> NEW SCOPE OF WORK REQUEST:

Task 2B Update Irrigation Water Demand Projections for Bee and San Patricio Counties

- Provide assistance to the Coastal Bend RWPG during development of alternative irrigation water demand projections. Consider current irrigation water use trends for Bee and San Patricio Counties (as available);
- Conduct up to two meeting(s) with the Coastal Bend RWPG to present irrigation water demand projections for consideration and receive feedback;
- Coordination with the TWDB, Nueces River Authority, and Coastal Bend RWPG to prepare formal request for revisions to projected irrigation water demands based on revised projections approved by the Coastal Bend RWPG;
- Administrative activities associated with preparation of a contract amendment;
- Attendance of up to one meeting with the TWDB to discuss irrigation water demand projection request and provide clarification, if necessary;
- Upon receiving TWDB-approved irrigation water demand projections, update the water availability analysis using the Central Gulf Coast Groundwater Availability Model to evaluate drawdown associated with revised irrigation water demands in accordance with criteria developed by the Coastal Bend RWPG during the 2006 Planning process; and
- Prepare update for the 2011 Region N Plan based on revised water demand projections.

Estimated Cost for New Task: \$18,700

Additional Considerations Pertaining to the Scope of Work Amendment Request

The Coastal Bend RWPG received conditional funding for Task 3b- Incorporating Managed Available Groundwater Supplies, with funding contingent on “Notice to Proceed” from the TWDB Executive Administrator and managed available groundwater supplies being provided by the TWDB with sufficient time to incorporate in the 2011 Region N Plan. Based on feedback from GMA 16, this information will not be available in sufficient time to include in the 2011 Region N Plan. The approved funding that the TWDB previously set aside for this task in the amount of \$20,000 will not be needed and therefore will not be used for development of the 2011 Region N Plan.

<DELETED> SCOPE OF WORK TASK:

Task 3B Incorporating Managed Available Groundwater Supplies in the Coastal Bend Regional Water Plan

The 2011 Plan will use 2006 Plan groundwater supply estimates unless the TWDB provides managed available groundwater supplies with sufficient time to incorporate in the 2011 Plan. This scope work item is specifically associated with incorporating MAGs in the 2011 Plan, if available.

GMA 16 is in the process of providing desired future conditions for groundwater development. Provided that Region N receives managed available groundwater

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information from the TWDB by the end of November 2008, revised groundwater supplies will need to be considered for the 2011 Coastal Bend Regional Water Plan.

- Coordination with Groundwater Management Areas to ensure that new Managed Available Groundwater volumes reflect their desired future conditions and intentions for inclusion in the 2011 Coastal Bend Regional Water Plan.
- Coordination with the TWDB to address local historical groundwater issues and formatting compatibility with incorporating Managed Available Groundwater in the 2011 Coastal Bend Regional Water Plan.
- Update groundwater supplies, and recalculate projected water surplus/needs for groundwater water user groups.

Funding (Not Needed): \$20,000