

**Technical Consultant**  
**DRAFT Scope of Work and Budget for**  
**Task 5B to Develop the 2026 Brazos G**  
**Regional Water Plan Evaluation and**  
**Recommendation of Water**  
**Management Strategies and Projects**

## **Background**

The Texas Water Development Board (TWDB) has prepared a scope of work for development of the 2026 Brazos G Regional Water Plan (2026 Plan)<sup>1</sup>. This scope of work identifies elements required to evaluate and recommend water management strategies and projects to meet the needs of water user groups (WUGs) and wholesale water providers (WWPs) across the state, as defined in Task 5B. The TWDB has quantified the total funds available for Task 5B, Evaluation and Recommendation of Water Management Strategies and Projects, but requires that each regional planning group submit a detailed scope of work identifying the water management strategies each planning group will evaluate as potentially feasible to meet identified needs within the planning area.

This scope of work includes evaluation of those strategies that have been identified by the Brazos G Regional Water Planning Group (Brazos G) as potentially feasible to meet the needs of WUGs and WWPs in the Brazos G planning area in the 2026 Plan. The potentially feasible strategies include all water management strategies (WMSs) evaluated in previous Plans, regardless of whether they were recommended. We anticipate evaluations of those WMSs that were not recommended (or alternative) to be relatively brief compared to those that were previously evaluated, but will revisit associated assumptions to verify they remain valid.

Strategies included in this proposed scope of work for Task 5B have been organized consistent with those 24 types of WMSs required by statute and rules (TWC §16.053(e)(5), and 31 TAC §357.34(c)), and presented in Section 2.5.1 in *Exhibit C: Second Amended – General Guidelines for Development of the 2026 Regional Water Plans*, dated September 2023<sup>2</sup>. Further, the strategies will be evaluated following the guidelines presented in the same document.

## **Task 5B. Evaluation and Recommendation of Water Management Strategies and Projects**

Task 5B involves the technical evaluation and selection of recommended and alternative water management strategies (WMSs) and water management strategy projects (WMSPs) to meet projected needs. Technical evaluations of WMSs and WMSPs in the 2026 Plan will be at the same level of detail and follow a similar pattern to evaluations completed in previous plans; any updated requirements will be addressed, as well.

For existing WMSs fully evaluated in the 2021 Plan, the evaluation will update or redevelop previous evaluations to address the following:

- Meet current rule and guidance requirements
- Reflect changed physical or socioeconomic conditions

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<sup>1</sup>[https://www.twdb.texas.gov/waterplanning/rwp/planningdocu/2026/projectdocs/SecondAmendedSOW\\_2026RWPs.pdf?d=64314.5](https://www.twdb.texas.gov/waterplanning/rwp/planningdocu/2026/projectdocs/SecondAmendedSOW_2026RWPs.pdf?d=64314.5)

<sup>2</sup> [https://www.twdb.texas.gov/waterplanning/rwp/planningdocu/2026/projectdocs/2026RWP\\_ExhibitC.pdf?d=64314.5](https://www.twdb.texas.gov/waterplanning/rwp/planningdocu/2026/projectdocs/2026RWP_ExhibitC.pdf?d=64314.5)

- Reflect changes in water project configurations or conditions
- Consider newly identified WUGs or WWP
- Reflect more recent or updated costs
  - Reflect more recent information related to potential impacts to natural or agricultural resources
- Accommodate changes in identified water needs
- Accommodate modifications to identified infeasible WMS and/or WMSPs in the 2021 Brazos G Plan
- Any other relevant changes that require modifying or replacing a WMS

Further, for all WMSs and WMSPs previously identified and considered for inclusion in the 2026 Plan, costs will be updated (or developed, if applicable) using the most current version of the TWDB’s Unified Costing Model (UCM). Tasks common to each strategy evaluation include:

- Estimate available supply using the Brazos G WAM, groundwater availability models, or other sources
- Estimate costs using the TWDB’s WMSP Costing Tool
- Evaluate each strategy in accordance with the Regional Water Planning Guidelines, including reliability, cost, environmental issues, impacts to agricultural and rural areas, impacts to natural resources, and other issues relevant to Brazos G
- Develop GIS maps for all strategies showing infrastructure improvements and supply sources

## **1. Conservation**

For each municipal WUG having an identified need, water conservation and advanced water conservation will be evaluated as a water management strategy. For municipal WUGs, a single set of “active” strategies will be evaluated that will result in a hypothetical water savings. As the actual water savings and costs associated with any individual conservation strategy for any individual water utility is nearly impossible to quantify, water savings and costs will be based upon the best available information and presented in the cumulative, with the expectation that each individual WUG will pursue one or more specific strategies to achieve the stated conservation goals. The resulting savings and costs will be based upon a hypothetical group of strategies.

Based on preliminary needs analysis, conservation will be considered as a water management strategy for approximately 150 municipal WUGs with needs. For non-municipal WUGs (irrigation, industrial, steam-electric, and mining), conservation strategies will be evaluated to meet needs as appropriate in similar fashion to the 2021 Plan, following updated TWDB requirements. Potentially feasible strategies include the following:

- Municipal Conservation
- Industrial Conservation
- Irrigation Conservation
- Advanced Municipal Conservation (gallons per capita per day of less than 140)
- Advanced Industrial Conservation

**Task 1 Budget: \$12,880**

## **2. Drought Management**

For the 2021 Plan, Brazos G chose not to recommend drought management as a WMS to meet needs, stating, “While Brazos G encourages entities in the region to promote demand management during a drought, it should not be identified as a ‘new source’ of supply.” The previous assumptions will be reviewed with the Brazos G RWPG, and the results will inform the inclusion of the type of WMS. We expect a similar result for the 2026 Plan, thus we expect evaluation of this type of WMS to require minimal effort.

**Task 2 Budget: \$1,840**

## **3. Reuse**

Reuse supplies potentially available will be identified based on estimated effluent and return flow projections applied during surface water availability analysis. Reuse supplies will be considered to meet needs for all water use sectors based on availability and proximity.

Potentially feasible strategies include the following list. Up to five additional reuse strategies/projects will be evaluated under this task/budget per TWDB guidelines.

- Reuse Supply - various reuse projects throughout Brazos G
- College Station DPR
- College Station Non-Potable Reuse
- City of Bryan Lake Bryan Reuse, Option 1
- City of Bryan Lake Bryan Reuse, Option 2
- City of Bryan Miramont Reuse
- City of Cleburne Reuse
- Waco WMARSS Reuse Projects
- Bell County WCID No. 1 Reuse
- TRA Reuse - Joe Pool
- Cedar Park Reuse
- Georgetown Reuse

**Task 3 Budget: \$77,280**

## **4. Management of Existing Water Supplies**

Management of existing water supplies is intended to optimize the use of current water supplies of which the WUG or WWP already has control. Examples include necessary, smaller projects consisting of pipelines, pump stations, storage tanks, and connections

between neighboring systems. In the 2021 Plan, approximately 45 such projects are identified and evaluated; we anticipate a similar number for the 2026 Plan to be identified or updated and evaluated. Supplies, project costs and GIS information will be developed or updated for each of these per TWDB guidelines. Environmental evaluations will be performed or updated for those projects expected to potentially impact cultural or environmental resources, otherwise all evaluations will assume that pipelines and system interconnections will avoid sensitive areas and few environmental issues will need to be addressed.

As another example, the 2021 Plan identified multiple water user groups or wholesale water providers requiring a water treatment plant expansion or a new water treatment plant to utilize existing supplies. These plants or plant expansions are not included in any other water management strategy or project. For the 2026 Plan, Brazos G will review the identified potentially feasible strategies and update as appropriate, as well as coordinate with WUGs and WWP for whom this type of WMS could be appropriate.

Potentially feasible strategies include the following:

- Miscellaneous Pipelines, Pump Stations, and GW Options - Various Entities
- Water Treatment Plant Expansions - Various Entities
- Rehabilitate Existing Wells

**Task 4 Budget: \$36,800**

## **5. Conjunctive Use**

Conjunctively operating surface and groundwater together has been shown to increase the total combined supply from the two sources in some cases, although revised agreements and water quality treatment is often required. Potentially feasible strategies include the following:

- Various projects to utilize potential unallocated supply relative to projected demands for regional planning purposes.
- Coordinated use of Fort Phantom Hill and Hubbard Creek Reservoir
- Coordinated use of Lake Leon Water Supply with Local Groundwater
- Oak Creek Reservoir Conjunctive Management
- Lake Granger Augmentation, Phases 1 and 2
- Somervell County Water Supply Project

**Task 5 Budget: \$11,040**

## **6. Acquisition of Available Existing Water Supplies**

Multiple entities have been considering augmenting supplies from a surface water body (often a lake) with additional surface water or regional groundwater supplies to meet water needs. Brazos G will coordinate with these entities to update supplies, costs, and environmental evaluations of the proposed projects. Supplies will be updated using WAM analyses, coupled with evaluation of available groundwater supplies as necessary. All

evaluations will be completed per TWDB guidelines. Potentially feasible strategies include the following:

- Gibbons Creek Reservoir Expansion
- Lake Aquilla Augmentation - Cleburne (Lake Whitney to Aquilla)
- Lake Cisco Augmentation
- Lake Leon Augmentation
- Lake Stamford Augmentation
- Lake Sweetwater Augmentation
- Millers Creek Reservoir Augmentation, Canal Option
- Millers Creek Reservoir Augmentation, Pipeline Option
- Millers Creek Reservoir Augmentation, New Dam and Reservoir
- Millers Creek Reservoir Augmentation, Combined Canal Diversion with New Dam and Reservoir
- South San Gabriel Diversion into Lake Georgetown
- City of Cameron Little River Intake

**Task 6 Budget: \$51,520**

## **7. Development of New Water Supplies**

Development of new water supplies includes the ability to acquire additional water supplies for which the WUG or WWP does not already have control. Potentially feasible strategies include the following:

- Purchase and Use of Water from Possum Kingdom – Abilene
- Aquifer Recharge

**Task 7 Budget: \$9,660**

## **8. Developing Regional Water Supply Facilities or Providing Regional Management Of Water Supply Facilities**

Regional water supplies typically enable cost sharing across multiple WUGs; due to economies of scale, the implementation of regional water supplies often results in a lower unit cost. Potentially feasible strategies include the following:

- Lake Belton to Lake Stillhouse Hollow Pipeline
- Bosque County Regional Project
- Brushy Creek RUA Water Supply Project
- East Williamson County Water Supply Project
- Lake Whitney Water Supply Project (Cleburne), Phase 1 and Phase 2
- Future Phases of Lake Whitney Water Supply Project
- West Central Brazos Water Distribution System
- Alcoa Property Supply
- West Texas Water Partnership

**Task 8 Budget: \$47,840**

**9. Developing Large-Scale Desalination Facilities for Seawater Or Brackish Groundwater That Serve Local or Regional Brackish Groundwater Production Zones Identified And Designated Under TWC §16.060(b)(5)**

Recommended WMSs in the Brazos G 2021 Plan did not include large-scale desalination facilities for seawater or brackish groundwater, although desalination of water from Lake Whitney was studied with the 2001 Plan. We will identify the potential local or regional brackish groundwater production zones in areas of the state with moderate to high availability and productivity of brackish groundwater that can be used to reduce the use of fresh groundwater and that meet the requirements of the Texas Water Code.

**Task 9 Budget: \$1,840**

**10. Developing Large-Scale Desalination Facilities for Marine Seawater that Serve Local or Regional Entities**

Recommended WMSs in the Brazos G 2021 Plan, or in any of the other previous Plans, did not include large-scale desalination facilities for marine seawater. Due to the geographic distance to the Gulf Coast, which is typically associated with significant costs, we expect evaluation of this type of WMS to require minimal effort.

**Task 10 Budget: \$1,840**

**11. Voluntary Transfer of Water Within the Region Using, But Not Limited To, Contracts, Water Marketing, Regional Water Banks, Sales, Leases, Options, Subordination Agreements, and Financing Agreements**

WMSs incorporating voluntary transfers of water within the region via new or modified agreements are expected to meet several WUG needs. Often, supplies can be made available simply by restructuring existing water supply contracts or water treatment agreements, or by entering into new agreements, including subordination agreements. For this strategy, Brazos G will identify WUGs and WWP that have needs that could be alleviated through restricting or increasing existing contracts or entering into new agreements and evaluate the possibility of increasing supplies under those contracts. Supply increases due to subordination agreements will be determined using WAM analyses. Projects (pipelines, pump stations, water treatment plants, etc.) that may be required to utilize increased supplies under this strategy will be evaluated as Miscellaneous Projects, part of Task 4. Potentially feasible strategies include the following:

- Restructure Contracts
- Subordination Agreements
- Misc. Purchases, Interconnects, and Reallocations - Various Entities
- Purchase from Walnut Creek Mine - Robertson County SE
- Voluntary Redistribution from Palo Pinto Manufacturing
- Reallocation Of Supply From Moffat WSC
- Killeen Reduction to Harker Heights
- Hamilton Reduction to Multi WSC

- BRA Highland Lake to County, Other

**Task 11 Budget: \$11,040**

## **12. Emergency transfer of water under TWC §11.139**

Recommended WMSs in the Brazos G 2021 Plan did not include emergency transfers of water. We expect a similar result for the 2026 Plan, thus we expect evaluation of this type of WMS to require minimal effort.

**Task 12 Budget: \$1,840**

## **13. Interbasin transfers of surface water**

There are multiple WMSs recommended in the Brazos G 2021 Plan associated with interbasin transfers, some benefiting WUGs in the Brazos G planning area, some benefiting WUGs outside the Brazos G planning area. We will collaborate with other regional technical consultants to evaluate and update all WMSs that include interbasin transfers. Potentially feasible strategies include the following:

- Brazos River Authority System Operation (to Colorado Basin)
- Marvin Nichols (328) Strategy for NTMWD, TRWD, and UTRWD
- Wright Patman Reallocation for NTMWD, TRWD, and UTRWD
- Trinity Basin Supplies (Trinity or Neches River Projects) to Middle Brazos

**Task 13 Budget: \$5,520**

## **14. System Operation**

Between the 2016 plan and the 2021 Plan, a water right was issued in the form of the Brazos River Authority's System Operations Permit, authorizing a large amount of water with access via diversions at multiple locations within the Brazos G and Region H areas. The "BRA System Operation" WMS was used to address water needs for multiple WUGs in the 2021 Plan. The previously recommended WMSs will be evaluated and updated as appropriate, and any water not allocated to projected demands will be considered when selecting WMSs and developing WMSPs for additional WUGs with water needs. Because the amount of water available under the System Operations Permit varies according to the location of contractual diversions, additional WAM simulations will be needed to confirm availability of supplies at the diversion locations identified, which will be performed consistent with TWDB guidelines and methods approved with the Brazos G RWPG's Hydrologic Variance Request.

**Task 14 Budget: \$23,000**

## **15. Reallocation of Reservoir Storage to New Uses**

The Brazos River Authority (BRA) and the U.S. Army Corps of Engineers have continued investigating the feasibility of reallocating dedicated flood storage in applicable lakes to conservation storage for water supply purposes. Brazos G will coordinate with the BRA

and the Corps to obtain the latest project information from their evaluations and will update supplies, costs, and environmental evaluation per TWDB guidelines. Supplies will be updated using WAM analyses. Potentially feasible strategies include the following:

- Lake Aquilla Storage Reallocation
- Lake Granger Storage Reallocation
- Lake Stillhouse Hollow Reallocation
- Lake Whitney Reallocation, Hydropower Storage
- Lake Whitney Reallocation Supplies to Williamson County

**Task 15 Budget: \$51,520**

## **16. Enhancement of Yields**

Yield enhancement can be implemented using various forms of infrastructure to optimize releases and other components associated with water supply. Potentially feasible strategies include the following:

- Lake Whitney Over-Drafting Supply with Off-Channel Reservoir

**Task 16 Budget: \$1,840**

## **17. Improvements to Water Quality**

Control of naturally occurring chlorides originating from the upper Brazos Basin has been a subject of study for decades among university researchers and various state and federal agencies. For example, the Salt Fork Water Quality Corporation (SFWQC) has been implementing a project to capture brine before it seeps into Brazos Basin streams, remove the salt, and utilize the salt and fresh water produced for economic purposes. Brazos G has completed extensive evaluation of this project and its benefits for the 2011, 2016, and 2021 Plans. For the 2026 Plan, Brazos G will coordinate with the SFWQC to obtain the latest project configuration and facilities costs. Analyses related to chloride control effectiveness and potential savings in treatment costs will not be updated except to reflect treatment costs consistent with other strategies in the 2026 Plan.

Additionally, previous Plans identified the SFWQC project's ability to supply fresh water that is a product of the desalination process. Brazos G will coordinate with the WUGs that would be potential purchasers of the fresh water, as well as Region O to evaluate WSMPs that could utilize this source. Brazos G will develop costs for those projects and evaluate environmental issues per TWDB guidelines.

Brackish groundwater desalination and sediment reduction is also included in this type of WMS. Potentially feasible strategies include the following:

- Brackish Groundwater Desalination
- Chloride Control Project (SFWQC)
- Supplies from Chloride Control Project - Aspermont, Jayton, Region O
- Lake Whitney Desalination

- BRA Lake Granbury Surface Water and Treatment System (SWATS) Reallocation of Capacity
- BRA Sediment Reduction Program

**Task 17 Budget: \$80,960**

## **18. New Surface Water Supply**

New reservoir projects that could be developed to meet needs will be evaluated and considered with respect to estimated construction schedule versus decadal need. Some were evaluated in the 2021 Plan and will require updates to project yield and cost. Some reservoir projects are currently identified for specific WUGs or WWPs, while others are considered to be regional supplies. Potentially feasible strategies include the following:

- Breckenridge Reservoir
- Brushy Creek Reservoir
- Cedar Ridge Reservoir
- Coryell County Off-Channel Reservoir
- Double Mountain Fort (East) Reservoir
- Double Mountain Fort (West) Reservoir
- Lake Bosque
- Groesbeck Off-Channel Reservoir
- Hamilton County Reservoir
- NCTMWA Lake Creek Reservoir (formerly Millers Creek Off-Channel Reservoir)
- Lake Palo Pinto Off-Channel Reservoir
- Little River Off-Channel Reservoir
- Little River Reservoir
- Brazos River Main Stem Off-Channel Reservoir
- Meridian Off-Channel Reservoir
- Millican-Bundic Reservoir
- Millican-Panther Reservoir
- Paluxy Reservoir
- Peach Creek Off-Channel Reservoir
- Red River Off-Channel Reservoir near Arthur City
- Somervell County Off-Channel Reservoir
- South Bend Reservoir
- Throckmorton Reservoir
- Turkey Peak Reservoir
- Wheeler Branch Off-Channel Reservoir

**Task 18 Budget: \$92,000**

## **19. New Groundwater Supply**

Additional groundwater development will be required to meet future needs. The final list of WUGs for which additional groundwater development will be determined during the planning process as the final water needs are established and those entities are contacted to determine their preferred strategies and projects. Strategies and projects to increase

groundwater supplies from multiple aquifer systems will be evaluated, consistent with projects recommended in the 2021 Brazos G Plan and continued coordination with WUGs in the Brazos G planning area. Final selection of projects will be made based on remaining aquifer availability after current supplies are met, proximity to WUGs with needs, and preferences of local sponsors.

Based upon projects and strategies evaluated and/or recommended in the 2021 Plan, and the number of new WUGs added since the 2021 Plan, we anticipate approximately 100 individual groundwater projects will be evaluated for the 2026 Plan. Supplies, project costs and GIS information will be developed for approximately 100 groundwater projects. Supplies will be verified related to the applicable MAG; associated values will not be exceeded. Environmental evaluations will be performed for those expected to potentially impact cultural or environmental resources; otherwise, all evaluations will assume that pipelines and well fields will avoid sensitive areas and few environmental issues will need to be addressed. Brazos G will coordinate with local groundwater conservation districts to identify recently permitted groundwater well projects that should be included as WMSs. Potentially feasible strategies include the following:

- Brazos River Alluvium - Various Entities
- Groundwater Supply for County, Others
- Gulf Coast Aquifer - Various Entities
- Trinity Aquifer - Various Entities
- Edwards Aquifer - Various Entities
- Sparta Aquifer - Various Entities
- Dockum Aquifer - Various Entities
- Woodbine Aquifer - Various Entities
- Blaine Aquifer - Various Entities
- Yegua-Jackson Aquifer - Various Entities
- Seymour Aquifer - Various Entities
- Carrizo Aquifer - Various Entities
- Williamson County Groundwater - South Option
- Marble Falls Aquifer Development - Various Entities
- Other Aquifer Development - Various Entities
- Cross Timbers Aquifer Development - Various Entities
- Ellenburger-San Saba Aquifer Development - Various Entities
- Purchase from SAWS Vista Ridge Project (Williamson County)

**Task 19 Budget: \$110,400**

## **20. Brush Control**

Brush control as a water supply strategy relies on a reduction in vegetative water use through the selective control of brush species, enabling infiltration and runoff to surface water bodies. As of the time of the 2021 Plan, two feasibility studies had been completed, one for the Lake Fort Phantom Hill watershed and one for the Lake Palo Pinto watershed. Multiple feasibility studies were also proposed at the time. Brush control was not a recommended WMS in the 2021 Plan. For the 2026 Plan, we will contact the relevant entities with identified interest in brush control and update the previous evaluation.

**Task 20 Budget: \$2,760**

## **21. Precipitation Enhancement**

Precipitation enhancement in Texas dates back to the drought of the 1950s; in 1967, the state legislature adopted a law governing the use of what is often referred to as “weather modification” technologies. Weather modification was a recommended WMS in both the 2006 and 2011 Plans but has not been recommended since. Current ongoing projects cover approximately 31 million acres in northwest, west, and south Texas but are not near the Brazos G planning area. For the 2026 Plan, we will review and verify the previous assumptions used. We expect a similar result for the 2026 Plan as with the previous two plans, thus we expect evaluation of this type of WMS to require minimal effort.

**Task 21 Budget: \$1,840**

## **22. Aquifer Storage and Recovery**

Brazos G will coordinate with project sponsors with respect to known aquifer storage and recovery (ASR) projects (ongoing or proposed) that were evaluated for the 2021 Brazos G Plan. Updated project information will be obtained. Project supplies, costs, and environmental and cultural resource issues will be updated from the 2021 Plan per TWDB guidelines. We also expect additional, proposed ASR project ideas; Brazos G will identify and evaluate additional ASR projects to meet needs in the Brazos G Area. Potentially feasible strategies include the following:

- Bryan ASR
- College Station ASR
- Trinity ASR in Johnson County (Johnson County SUD and Acton MUD)
- Trinity ASR in McLennan County
- Lake Granger ASR (Trinity Aquifer)
- Seymour ASR Project
- Trinity - Lake Georgetown ASR

**Task 22 Budget: \$46,000**

## **23. Cancellation of Water Rights**

To the best of our knowledge, Brazos G has never recommended any cancellation of water rights as a WMS. This is typically a politically sensitive action. We expect a similar result for the 2026 Plan as with the previous plans, thus we expect evaluation of this type of WMS to require minimal effort.

**Task 23 Budget: \$1,840**

## **24. Rainwater harvesting**

To the best of our knowledge, Brazos G has never recommended rainwater harvesting as a WMS. We expect a similar result for the 2026 Plan as with the previous plans, thus we expect evaluation of this type of WMS to require minimal effort.

**Task 24 Budget: \$1,840**

## **25. Additional Strategies**

During the course of preparing the 2026 Plan, it is likely that new potentially feasible WMSs will be identified. This task allocates a portion of the overall budget provided by the TWDB for Task 5B to allow evaluation of new strategies that might be identified during the remainder of the planning process. If sufficient funds are not available to evaluate a strategy that comes to the planning group's attention, then a local sponsoring entity may be required to fund the evaluation of the strategy. New strategies will not be evaluated without prior approval of the Brazos G Regional Water Planning Group and concurrence of the TWDB.

**Task 25 Budget: \$25,760**

## **26. Plan Development**

A plan will be developed for each WUG and WWP, assigning recommended or alternative WMSs to meet the needs of each entity. As WMSs are evaluated, a plan that meets each projected water need for each WUG and WWP will be developed. This task includes coordination as necessary with the WUGs and WWPs regarding individual plans.

**Task 26 Budget: \$36,800**

## **27. Database Entry**

All recommended or alternative WMSs will be entered into the TWDB water planning database (DB27), as well as supplies and costs distributed among the WUGs and WWPs receiving water from each strategy. Specific tasks include:

- Define each recommended and alternative strategy in accordance to database requirements
- Assign WUGs and WWPs to specific strategies and distribute supply from the strategy to each
- Enter capital and annual costs for each WUG and WWP
- Coordinate with adjacent regions sharing the source or with shared WUGs or WWPs
- Quality control/quality assurance checks of the data entered into the database
- Coordination with TWDB staff as needed

**Task 27 Budget: \$36,800**

## **28. Chapter 5 Preparation**

Chapter 5 documents the evaluation and selection of WMSs and presents the water supply plan for each WUG and WWP. The technical evaluations of the water management strategies are presented in a separate bound volume of the regional water plan due to the extensive and voluminous nature of the evaluations. This separate volume exceeded 750

pages of text, tables, maps and figures in the 2021 Plan. The section of chapter 5 presenting the plans for each WUG and WWP exceeded 350 pages of text and tables in the 2021 Plan. This task includes the effort to compile all the required information into Chapter 5 (both volumes), as well as coordination with Brazos G, TWDB staff, and other entities regarding comments on the final chapters in the Initially Prepared and Final Plans, as required by TWDB planning rules.

**Task 28 Budget: \$40,480**

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## Budget Summary

Task No.	Task Name	Fee
1	Conservation	\$12,880
2	Drought management	\$1,840
3	Reuse	\$77,280
4	Management of existing water supplies	\$36,800
5	Conjunctive use	\$11,040
6	Acquisition of available existing water supplies	\$51,520
7	Development of new water supplies	\$9,660
8	Developing regional water supply facilities or providing regional management of water supply facilities	\$47,840
9	Developing large-scale desalination facilities for seawater or brackish groundwater that serve local or regional brackish groundwater production zones identified and designated under TWC §16.060(b)(5)26	\$1,840
10	Developing large-scale desalination facilities for marine seawater that serve local or regional entities	\$1,840
11	Voluntary transfer of water within the region using, but not limited to, contracts, water marketing, regional water banks, sales, leases, options, subordination agreements, and financing agreements	\$11,040
12	Emergency transfer of water under TWC §11.139	\$1,840
13	Interbasin transfers of surface water	\$5,520
14	System optimization	\$23,000
15	Reallocation of reservoir storage to new uses	\$51,520
16	Enhancements of yields	\$1,840
17	Improvements to water quality	\$80,960
18	New surface water supply	\$92,000
19	New groundwater supply	\$110,400
20	Brush control	\$2,760
21	Precipitation enhancement	\$1,840
22	Aquifer storage and recovery	\$46,000
23	Cancellation of water rights	\$1,840
24	Rainwater harvesting	\$1,840
25	Additional strategies	\$25,760
26	Plan development	\$36,800
27	Database entry	\$36,800
28	Chapter 5 preparation	\$40,480
	<b>Total</b>	<b>\$824,780</b>