

PROVISIONS SPECIFIC FOR DEVELOPMENT OF THE NORTH EAST TEXAS REGIONAL WATER PLAN

This addendum provides the following mutually agreed upon covenants and forms a part of the March 30th, 2015 Agreement. These are additional provisions for this specific project between Espey Consultants, Inc. dba RPS (RPS) and Northeast Texas Municipal Water District of Hughes Springs, Texas (DISTRICT). If provisions stated herein conflict with provisions within the Master Agreement made on March 30th, 2015 between RPS and the DISTRICT, the provisions herein supersede those of the Master Agreement.

SCOPE OF SERVICES

RPS agrees to perform support for services described in the Master Agreement dated March 30th, 2015, including attachments and amendments ("SERVICES") for the project entitled: Region D Water Plan (EC Project # 11046.01 / TWDB Contract 1148301315). These services are in support of the tasks enumerated below.

SCOPE OF WORK

TASK 4D EVALUATE AND RECOMMEND WATER MANAGEMENT STRATEGIES¹

The objective of this task is to evaluate and recommend water management strategies (WMS) including preparing a separate chapter² and subchapter (on conservation recommendations see - Task 5) to be included in the 2016 Regional Water Plan (RWP) that describes the work completed, presents the potentially feasible WMSs, recommended and alternative WMSs, including all the technical evaluations, and presents which water user entities will rely on the recommended WMSs.

Work shall be contingent upon a written notice-to-proceed and shall include but not be limited to the following:

- a) In addition to generally meeting all applicable rules and statute requirements governing regional and state water planning under 31 TAC Chapters 357 and 358, this portion of work shall, in particular, include all work necessary to meet all the requirements of 31 TAC §357.34 and §357.35 that is not already included under Task 4B or Task 5.³
- b) Plans to be considered in developing water management strategies include those referenced under 31 TAC §357.22.
- c) Inclusion of a list of the potentially feasible water management strategies that were identified by the RWPG. Information to include what past evaluations have been performed for each potentially feasible water management strategy listed.
- d) Technical evaluations of all categories of potentially feasible WMSs including previously identified or recommended WMSs and newly identified WMSs including drought management and conservation WMSs; WMS documentation shall include a strategy description, discussion of associated facilities, project map, and technical evaluation addressing all considerations and factors required under 31 TAC §357.34(d)(e)(f) and §357.35.
- e) Process of selecting all recommended WMSs including development of WMS evaluations matrices and other tools required to assist the RWPG in comparing and selecting recommended WMSs.
- f) Consideration of water conservation and drought contingency plans from each WUG, as necessary, to inform WMS evaluations and recommendations.
- g) Communication, coordination, and facilitation required within the RWPA and with other RWPGs to develop recommendations.
- h) Updates to descriptions and associated technical analyses and documentation of any WMSs that are carried forward from the previous RWP to address:
 - Changed conditions or project configuration
 - Changes to sponsor of WMS
 - Updated costs (based on use of required costing tool⁴)
 - Other changes that must be addressed to meet requirements of 31 TAC §357.34 and §357.35.
- i) Assignment of all recommended strategy water supplies to meet projected needs of specific WUGs.
- j) Documentation of the evaluation and selection of all recommended water management strategies.

¹ Additional guidance included in the *General Guidelines for Regional Water Plan Development* document.

² This shall be a separate chapter as required by 31 TAC §357.22(b).

³ Requirements are further explained in the guidance document *Updated General Guidelines for Development of 2016 Regional Water Plans*.

⁴ See section 5.1.2 'Financial Costs' in *Updated General Guidelines for Development of 2016 Regional Water Plans*.

- k) Coordination with sponsoring water user groups, wholesale water providers, and/or other resource agencies regarding any changed conditions in terms of projected needs, strategy modifications, planned facilities, market costs of water supply, endangered or threatened species, etc.
- l) If applicable, determination of the "highest practicable level" of water conservation and efficiency achievable (as existing conservation or proposed within a water management strategy) for each WUG that relies on a WMS involving and interbasin transfer to which TWC 11.085 applies. Recommended conservation WMSs associated with this analysis shall be presented by WUG.
- m) Presentation of the water supply plans in the RWP for each WUG and WWP relying on the recommended WMSs.
- n) Consideration of alternative WMSs for inclusion in the plan. Alternative water management strategies must be fully evaluated in accordance with 31 TAC §357.34(d)(e)(f).
- o) Incorporation of all required DB17 reports into document.
- p) Submission of data through the Regional Water Planning Application (DB17) to include the following work:
 - review of the data,
 - confirmation that data is accurate,
 - incorporation of the required DB17 reports into the draft and final regional water planning chapter document
- q) Review of the chapter document and related information by RWPG members,
- r) Modifications to the chapter document based on RWPG, public, and or agency comments.
- s) Submittal of chapter document to TWDB for review and approval; and
- t) All effort required to obtain final approval of the regional water plan chapter and associated DB17 data by TWDB.
- u) This subtask is the region-specific scope of work to complete water management strategy evaluations, except for as noted, for inclusion in the initially prepared and final adopted 2016 Regional Water Plan.
 1. **Advanced Water Conservation:** Update the Municipal, Irrigation, Industrial, Steam-Electric, and Mining Water Conservation water management strategies using general procedures and Best Management Practices (BMPs) as described in the 2011 NETRWP and accounting for more current estimates of municipal per capita use, irrigation application rates, and BMP implementation costs. The recommendations of the NETRWPG will be based upon water conservation Best Management Practices (BMPs).
 2. **Drought Management:** Using available historical water use rates, economic impact factors from the TWDB (if available), and the methodology now integrated in the standard cost estimation tool for regional water planning statewide, develop evaluations of drought management as a water management strategy for WUGs with projected needs for additional water supply.
 3. **Water Reuse:** Compile current information regarding recycled water sources and WUGs potentially in need of such supplies for non-potable uses. Update simplified technical evaluation including generalized estimates of cost for delivery of recycled water from treatment facilities to WUGs.
 4. **Local Groundwater:** Update technical evaluations including phased well implementation schedules and associated costs for WUGs dependent on local aquifer supplies based on projected needs for additional water supply with due consideration of Modeled Available Groundwater (MAG). This will include evaluations of potential acquisition of available existing groundwater supplies, as well as development of new supplies.
 5. **Surface Water:** Compile and summarize current information regarding pending or potential acquisitions, leases, and/or amendments of existing surface water rights by WUGs and/or WWPs in Region D. Update technical evaluation documentation. This will include evaluations of potential acquisition of available existing surface water supplies, as well as development of new supplies.
 6. **Facilities Expansions:** Compile and summarize current information regarding potential or planned facilities expansions by WUGs and/or WWPs in Region D that do not involve additional source water supplies and are not otherwise reflected in technical evaluation of another water management strategy (e.g., water treatment plant expansion, emergency interconnection between adjacent distribution systems, etc.). Update technical evaluation documentation.
 7. **Regional Supply and Management:** Compile and summarize current information regarding potential or planned development of regional water supply facilities or providing regional management of water supply facilities by WUGs and/or WWPs in Region D. Update technical evaluation documentation.
 8. **Voluntary or Emergency Transfers:** Compile and summarize current information regarding potential or planned voluntary or emergency transfers of water by WUGs and/or WWPs in Region D. Update technical evaluation documentation.

9. **Balancing Storage and/or Conjunctive Use:** Compile and summarize current information regarding potential or planned development of balancing storage (and/or conjunctive use) by WUGs and/or WWP's in Region D. Update technical evaluation documentation.

(v) [SCOPE OF WORK TO BE DETERMINED]

Scope of Work to be amended based on specific Task 4D scope of work to be developed and negotiated with TWDB. Work under this Task to be performed only after approval and incorporation of Task 4D scope of work and written notice-to-proceed. NOTE: Work effort associated with preparing and submitting a proposed Task 4D scope of work for the purpose of obtaining a written 'notice-to-proceed' from TWDB is not included in Task 4D and shall not be reimbursed under the Contract.

Deliverables: A completed Chapter 5 shall be delivered in the 2016 RWP as a work product to include technical analyses of all evaluated WMSs. Data shall be submitted and finalized through DB17 in accordance with the Guidelines for Regional Water Planning Data Deliverables.

Any services in the above scope can be completed by the District if the District decides to complete the work internally.

CONTRACT DATES

Contract Initiation Date – July 22, 2013

Contract Completion Date – March 31, 2016

TASK BUDGET

TASK	DESCRIPTION	Subcontract Agreement Amount (not-to-exceed)
4D*	Evaluation and Selection of Water Management Strategies‡	\$10,000.00
Total		\$10,000.00

EXPENSE BUDGET (approvable without but must be received prior to first reimbursement)

CATEGORY	SUB CONTRACT AGREEMENT BUDGET
Salaries and Wages ¹	\$1,384.27
Fringe ²	\$387.87
Travel	\$
Subcontractor	\$6,000.00
Other Expenses ³	0
Communication	\$
Tech/Computer	\$
Reproduction	
Overhead ⁴	\$1,706.11
Profit	\$521.75
Total	\$10,000.00

¹ **Salaries and Wages** is defined as the cost of salaries of engineers, draftsmen, stenographers, surveyors, clerks, laborers, etc., for time directly chargeable to this contract.

² **Fringe** is defined as the cost of social security contributions, unemployment, excise, and payroll taxes, employment compensation insurance, retirement benefits, medical and insurance benefits, sick leave, vacation, and holiday pay applicable thereto.

³ **Other Expenses** is defined to include expendable supplies, communications, reproduction, postage, and costs of public meetings directly chargeable to this CONTRACT.

⁴ **Overhead** is defined as the costs incurred in maintaining a place of business and performing professional services similar to those specified in this contract. These costs shall include the following:

- Salaries, including that portion of the salary of principals and executives that is allocable to general supervision;
- Indirect salary fringe benefits;
- Accounting and legal services related to normal management and business operations;
- Travel costs incurred in the normal course of overall administration of the business;
- Equipment rental;
- Depreciation of furniture, fixtures, equipment, and vehicles;

- Dues, subscriptions, and fees associated with trade, business, technical, and professional organizations;
- Other insurance; Rent and utilities; and
- Repairs and maintenance of furniture, fixtures, and equipment

AUTHORIZATION

This Agreement when executed by RPS is an offer to perform the services under the terms and conditions as outlined in this amendment and the Master Agreement. This Amendment becomes effective on the date the DISTRICT signs below.

NORTHEAST TEXAS MUNICIPAL WATER DISTRICT

BY: _____
WALT SEARS, JR.
Executive Director

ATTEST:

BY: _____

ESPEY CONSULTANTS, INC. dba RPS

BY: Brian K. Reiss
Keith Moody, P.E. BRIAN K. REISS, PE
Principal Engineer

ATTEST:

BY: _____
Heidi Petmecky