

**APPLICATION FOR FUNDING
TO THE
TEXAS WATER DEVELOPMENT BOARD
RESEARCH AND PLANNING FUND**

FOR

**REVISION OF THE
2006 REGION – B
REGIONAL WATER PLAN**

June 13, 2008

I. GENERAL INFORMATION

1. LEGAL NAME OF APPLICANT

Red River Authority of Texas

2. REGIONAL WATER PLANNING GROUP

Regional Water Planning Group – Area B consists of a ten county area including Archer, Baylor, Clay, Cottle, Foard, Hardeman, King, Montague, Wichita, Wilbarger, and a portion of Young County encompassing the City of Olney. The planning area contains approximately 8,571 square miles with an estimated population of 196,458. Refer to **Vicinity Map, Figure 1** for a geographical presentation of the regional planning area.

3. AUTHORITY OF LAW UNDER WHICH THE APPLICANT WAS CREATED

The Red River Authority of Texas was created in 1959 by Acts of the 56th Legislature as a political subdivision of the State, a body politic and corporate under Article XVI, Section 59 of the Texas Constitution.

4. APPLICANT'S OFFICIAL REPRESENTATIVE, NAME, TITLE, MAILING ADDRESS, PHONE NUMBER, FAX NUMBER, E-MAIL ADDRESS, AND VENDOR ID NUMBER

Mr. Curtis W. Campbell
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Red River Authority of Texas
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5. IS THIS APPLICATION IN RESPONSE TO A REQUEST FOR APPLICATIONS PUBLISHED IN THE TEXAS REGISTER?

Yes No

6. IF YES TO NO. 5 ABOVE, LIST THE DOCUMENT NUMBER AND DATE OF PUBLICATION OF THE TEXAS REGISTER

Texas Register, Volume 33, Number 7, February 15, 2008

7. TOTAL PROPOSED PLANNING COST

\$137,390

8. CASH CONTRIBUTION TO THE STUDY

\$0.00

9. LIST SOURCE OF CASH CONTRIBUTION, EXPLANATION OF SOURCE OF LOCAL CASH CONTRIBUTION

Not Applicable

10. TOTAL GRANT FUNDS REQUESTED FROM THE TEXAS WATER DEVELOPMENT BOARD

\$137,390

11. DETAILED STATEMENT OF THE PURPOSE FOR WHICH THE MONEY WILL BE USED

To prepare and publish the 2011 Region B Regional Water Plan.

12. DETAILED DESCRIPTION OF WHY STATE FUNDING ASSISTANCE IS NEEDED

To fulfill the requirements of Senate Bill 3, 80th Legislative Session and subsequent rules promulgated by the Texas Water Development Board as described in 31 TAC Chapter 357 and 358. Additionally, the plan is charged with addressing specific requirements of Chapter 16 of the Texas Water Code (TWC). If the state is to retain the leading role in long-range planning for adequate water resources to meet the public needs as they occur, then the state must provide sufficient funding and coordination of the effort on behalf of its people. Meeting the people's need for adequate water resource is or should be one of the State's highest priorities because it yields the greatest public benefit. Without adequate state funding (and support), the smaller cities and rural communities will suffer the greatest.

13. IDENTIFY POTENTIAL SOURCES AND AMOUNTS OF FUNDING AVAILABLE FOR IMPLEMENTATION OF VIABLE SOLUTIONS RESULTING FROM PROPOSED PLANNING

The majority of capital funding in Region B typically comes from local sources in the form of municipal type bond issues supported by net revenue pledges from the sale of water and taxes. Detailed infrastructure financing information was included in Chapter 9 of the 2006 Region B Regional Water Plan.

13. IDENTIFY POTENTIAL SOURCES AND AMOUNTS OF FUNDING AVAILABLE FOR IMPLEMENTATION OF VIABLE SOLUTIONS RESULTING FROM PROPOSED PLANNING (continued)

During this revision process and as the proposed planning is completed, Chapter 9 will be subsequently amended to reflect any changes in the sources or amounts of capital requirements ascertained during the course of study. Likewise, should new strategies be deemed necessary, they too will be included in Chapter 9 of the 2011 Region B Regional Water Plan.

Task 9 will specifically address the potential sources and estimated amounts of funding available for each of the identified water management strategies for the ensuing planning period.

II. PLANNING INFORMATION

14. DETAILED SCOPE OF WORK FOR PROPOSED PLANNING

The Scope of Work that follows includes the basic tasks necessary to meet the Texas Water Development Board's *Attachment C, Guidance for Preparation of Scope of Work for Regional Water Planning*.

TASK 1: PLANNING AREA DESCRIPTION

The objective of this task is to update the description of the region in the existing *2006 Region B Regional Water Plan*. It will require gathering additional data through year 2007 to portray an accurate up-to-date description of the region.

This task will include the following sub-tasks:

- Update Stream Flows
- Update Endangered/Threatened Species Lists
- Update Water Conservation Plans
- Update Water Use
- Update Information relative to Agricultural and Natural Resources
- Update Studies and Plans Completed since 2006 Plan
- Include Other Relevant Information
- Present Updates at RWPG Meetings

The Deliverable for this Task Includes:

- An updated Chapter 1 to reflect 2011 Region B Plan in compliance with TWDB requirements.

Requested Base Funding Budget: \$4,000
Additional Base Funding Request:-\$6,000

Task Responsibility:Professional Consultant

TASK 2: REVIEW AND REVISION OF POPULATION AND WATER DEMAND PROJECTIONS

This task will include updating population and water demand projections from the 2006 Region B Plan, based on changed conditions as described in the Guidelines for Regional Water Plan Development.

This task will include the following sub-tasks:

- Update List of Wholesale Water Providers,
- Update demands on Wholesale Water Providers,
- Review and Update Newly Developed Steam Electric Power Demands,
- Update TWDB Database as Required, and
- Present Updates at RWPG Meetings.

The Deliverable for this Task Includes:

- An updated Chapter 2 to reflect 2011 Region B Plan in compliance with TWDB requirements.

Requested Base Funding Budget: \$5,000
Additional Base Funding Request:+\$1,000

Task Responsibility:Professional Consultant

TASK 3: WATER SUPPLY ANALYSIS

This task will focus on updating the existing water supply available under drought of record conditions in Region B based upon changed conditions.

This task will include the following sub-tasks:

- Update Reuse Water Quantities,
- Update and Revise Water Supplies available to water user groups based on changes in contracts or new supplies,
- Update User Group Water Rights,
- Update and Revise Water Supplies Available to Wholesale Water Providers,
- Update TWDB Database as Required, and
- Present Updates at RWPG Meetings.

The Deliverable for this Task Includes:

- An updated Chapter 3 to reflect 2011 Region B Plan in compliance with TWDB requirements.

Requested Base Funding Budget:\$12,000

Additional Base Funding Request:+\$7,000

Task Responsibility:Professional Consultant

TASK 4: IDENTIFICATION, EVALUATION, AND SELECTION OF WATER MANAGEMENT STRATEGIES BASED ON NEEDS

The objective of Task 4 is to update water management strategies in the 2006 plan and evaluate new water management strategies that may be identified in this planning cycle.

This task will include the following sub-tasks:

- Update and Revise Water Needs Analysis for User Groups,
- Modify and Update Strategies that have been implemented and remove them,
- Modify Retained Strategies to meet all needs,
- Prepare and Adopt Strategies for Steam Electric Power needs,
- Include Strategies from special studies (i.e. WCWID #2 Study),
- Update and Revise Costs for Strategies to year 2007 value,
- Update TWDB Database as Required, and
- Present Updates at RWPC Meetings.

The Deliverable for this Task Includes:

- An updated Chapter 4 to reflect 2011 Region B Plan in compliance with TWDB requirements.

Requested Base Funding Budget:\$36,600

Additional Base Funding Request:+\$25,410

Task Responsibility:Professional Consultant

TASK 5: IMPACTS OF SELECTED WATER MANAGEMENT STRATEGIES ON KEY PARAMETERS OF WATER QUALITY AND IMPACTS OF MOVING WATER FROM RURAL AND AGRICULTURAL AREAS

The objective of this task is to update the 2006 Plan to incorporate or address changed conditions and to reflect impacts of new water management strategies.

This task will include the following sub-tasks:

- Update or Revise Impacts as needed, considering new water management strategies and changed conditions,
- Update TWDB Data Base as Required, and
- Present Updates at RWPG Meetings.

The Deliverable for this Task Includes:

- An Updated Chapter 5 to reflect 2011 Region B Plan in compliance with TWDB requirements.

Requested Base Funding Budget: \$5,000

Additional Base Funding Request: +\$1,000

Task Responsibility: Professional Consultant

TASK 6: WATER CONSERVATION AND DROUGHT MANAGEMENT RECOMMENDATIONS

The objective of this task is to update and address Water Conservation and Drought Management plan recommendations.

This task will include the following sub-tasks:

- Review, Revise and Update Recommendations for irrigation conservation, municipal conservation, and industrial conservation,
- Update or Revise Assumptions for Conservation in new steam electric power demands,
- Review and Update as required Model Conservation and Drought Plans, and
- Update Drought Trigger Conditions.

The Deliverable for this Task Includes:

- An Updated Chapter 6 to reflect 2011 Region B Plan in compliance with TWDB requirements.

Requested Base Funding Budget: \$6,000

Additional Base Funding Request: -\$4,000

Task Responsibility: Professional Consultant

TASK 7: DESCRIPTION OF HOW THE REGIONAL WATER PLAN IS CONSISTENT WITH LONG-TERM PROTECTION OF THE STATE’S WATER RESOURCES, AGRICULTURAL RESOURCES, AND NATURAL RESOURCES

The objective of this task is to update as necessary, this chapter of the existing 2006 Plan based on changed conditions.

This task will include updating the following:

- Descriptions to reflect the new management strategies.

The Deliverable for this Task Includes:

- An updated Chapter 7 to reflect 2011 Region B Plan in compliance with TWDB requirements.

Requested Base Funding Budget: \$4,700

Additional Base Funding Request:-\$5,300

Task Responsibility: Professional Consultant

TASK 8: UNIQUE STREAM SEGMENTS, UNIQUE RESERVOIR SITES, REGULATORY, ADMINISTRATIVE OR LEGISLATIVE ISSUES

The objective of this task is to update the current descriptions of and potential revisions to recommendations for unique reservoir or stream segments in the 2006 Plan and updating Legislative recommendations as necessary.

This task will include updating the following:

- Policy and Legislative Recommendations, and
- Potential Unique Stream Segments or Reservoir Sites Recommendations.

The Deliverable for this Task Includes:

- An Updated Chapter 8 to reflect 2011 Region B Plan in compliance with TWDB requirements.

Requested Base Funding Budget: \$3,390

Additional Base Funding Request:-\$11,610

Task Responsibility: Professional Consultant

TASK 9: REPORT TO LEGISLATURE ON WATER INFRASTRUCTURE FUNDING RECOMMENDATIONS

The objective of this task is to update the assessment of funding needs in order to develop funding recommendations.

This task will include the following sub-tasks:

- Update Consensus of recommendations on financing plans, and
- Update Information on available sources of funding.

The Deliverable for this Task Includes:

- An Updated Chapter 9 to reflect 2011 Region B Plan in compliance with TWDB requirements.

Requested Base Funding Budget: \$1,500
Additional Base Funding Request: +\$100

Task Responsibility:... Red River Authority of Texas and Professional Consultant

TASK 10: ADOPTION OF PLAN – PUBLIC PARTICIPATION

The objective of this task is to provide for public participation, eligible administrative costs, planning and group member travel.

This task will include the following:

- Scope of Work Development,
- Preparation of Grant Application,
- Eligible Administrative Expenses,
- Public Participation Activities, and
- Plan Adoption Activities.

The Deliverables for this Task Include:

- Initially prepared 2011 Regional Water Plan Document to the Texas Water Development Board (TWDB) and Regional Water Planning Group (RWPG) members in compliance with TWDB requirements, and
- Final 2011 Regional Water Plan Document to TWDB and RWPG Board Members in compliance with TWDB requirements.

Requested Base Funding Budget: \$55,000
Additional Base Funding Request: -\$11,800

Task Responsibility: Red River Authority of Texas

TASK 10-A: SCOPE OF WORK PREPARATION

This task includes a detailed description of the various tasks to be performed, identification of the responsible parties for task execution, a task schedule and budget.

The Deliverables for this Task Include:

- A detailed scope of work to be approved by the RWPG, and
- Presentation of the scope of work at a public meeting.

Requested Base Funding Budget: \$4,200

Additional Base Funding Request: +\$4,200

Task Responsibility: Professional Consultant

TOTAL BUDGET FOR TASKS 1 THRU 10-A \$137,390

CONSULTING ENGINEER CONTRACT PORTION..... \$81,390

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15. BUDGET FOR DETAILED SCOPE OF WORK BY TASK

Task	Description	Total Funding Request	TWDB Allotted Base Funding	Additional Base Funding Request
1	Update Planning Area Description	\$ 4,000	\$ 10,000	\$ -6,000
2	Update Review and Revision of Population and Water Demand Projections	5,000	4,000	+1,000
3	Update Water Supply Analysis	12,000	5,000	+7,000
4	Update Identification, Evaluation, and Selection of Water Management Strategies Based on Needs	36,600	11,190	+25,410
5	Updates Impacts of Selected Water Management Strategies on Key Parameters of Water Quality and Impacts of Moving Water from Rural and Agricultural Areas	5,000	4,000	+1,000
6	Update Water Conservation and Drought Management Recommendations	6,000	10,000	-4,000
7	Update Description of How the Regional Water Plan is Consistent with Long-term Protection of the State's Water Resources, Agricultural Resources, and	4,700	10,000	-5,300
8	Update Unique Stream Segments, Unique Reservoir Sites, Regulatory, Administrative or Legislative Issues	3,390	15,000	-11,610
9	Update Report to Legislature on Water Infrastructure Funding Recommendations	1,500	1,400	+100
10	Adoption of Plan – Public Participation	55,000	66,800	-11,800
10-A	Scope of Work and Application	4,200	0	+4,200
	Total	\$ 137,390	\$ 137,390	\$ 0
	Consulting Engineer Portion	\$ 81,390	\$ 81,390	\$ 0
	Red River Authority of Texas Portion	\$ 56,000	\$ 56,000	\$ 0

16. EXPENSE BUDGET FOR DETAILED SCOPE OF WORK BY EXPENSE CATEGORY

Category	Total Amount
Salaries and Wages ¹	\$ 21,420
Fringe ²	10,821
Travel	0
Other Expenses ³	21,124
Subcontract Services	81,390
Overhead ⁴	2,635
Voting Planning Member Travel ⁵	0
Profit	0
TOTAL	\$ 137,390

¹ Salaries and Wages is defined as the cost of salaries of engineers, draftsmen, stenographers, survey men, 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.

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:

- Indirect 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.

⁵ Voting Planning Member Travel Expenses is defined as eligible travel expenses incurred by regional water planning members that cannot be reimbursed by any other entity, political subdivision, etc.

17. TIME SCHEDULE FOR COMPLETING THE DETAILED SCOPE OF WORK

The proposed revision to the 2006 Regional Water Plan for Area B as detailed in the scope of work will follow the attached **Task Timeline** marked as **Schedule 1** and contained in the Appendix.

18. SPECIFIC DELIVERABLES FOR EACH TASK IN THE SCOPE OF WORK

All updated chapters to reflect 2011 Region B Plan in compliance with TWDB requirements are included in the Detailed Scope of Work.

19. METHOD OF MONITORING STUDY PROGRESS

Monitoring of the plan revision development will be conducted through periodic progress review meetings of the Regional Water Planning Group – Area B (RWPG-B) and/or its designated political subdivision and the contracted professional consultant. The Executive Committee of the RWPG-B will function as administrative oversight for recommending actions on the part of the RWPG-B, as may be needed. A Technical Advisory Committee, comprised of five members of the RWPG-B, will review technical or complex matters that may arise during planning process to provide assistance with conflict resolution and maintaining adequate momentum. All meetings conducted by the RWPG-B shall be open to the public in accordance with Chapter 551 of the Texas Government Code, as amended.

20. QUALIFICATIONS AND DIRECT EXPERIENCE OF PROPOSED PROJECT STAFF

The Red River Authority's staff and management have been actively engaged in water resource planning, management, protection, conservation and reclamation within the Red River Basin for forty-nine years. The Authority currently maintains a competent staff of professionals capable of managing each of the tasks described in this detailed scope of work.

Authority staff proposes to supervise and review all work performed by the professional consulting group engaged to conduct the technical analysis and prepare the report throughout the course of this planning study. The consultant group has been qualified and engaged by contract to provide their technical and scientific expertise in accordance with a scope of work designed to ensure compliance with the described outputs of each task and directives of the TWDB Rules, 31 TAC Chapter 357. Biggs and Mathews, Inc. of Wichita Falls will be the principal consultant in charge of project management in association with Alan Plummer and Associates, Inc. of Austin, and Freese and Nichols, Inc. of Fort Worth.

III. WRITTEN ASSURANCES

DUPLICATION OF EXISTING PROJECTS

The proposed revision and/or update of the *Regional Water Plan for Region B* described in this application does not duplicate any existing planning projects. The project will incorporate available information from existing plans, including the *2006 Region B Regional Water Plan* developed in the last round of regional water planning. The project is responsive to guidance and requirements developed by the Texas Water Development Board for the development of a regional water plan.

DILIGENTLY PURSUE VIABLE SOLUTIONS IDENTIFIED AND DETERMINE POTENTIAL SOURCES OF FUNDING FOR THEIR IMPLEMENTATION

The Red River Authority of Texas will diligently pursue the implementation of all viable solutions identified through the proposed planning, to the extent that the Authority’s involvement is consistent with the regional plan, appropriate and adequate funding is available. The Authority will encourage all participants in the regional planning area to pursue economically viable solutions and assist as necessary with determining potential funding sources for implementation of approved water management strategies for Region B.

IV. PROOF OF NOTIFICATION

PROOF OF PUBLICATION

Refer to the attached **Affidavit of Legal Notices** and copies of the **Official Publications** marked as **Exhibit A**.

INDIVIDUAL MAILINGS

A notice of the application and public hearing was mailed on March 20, 2008 to all municipalities, county judges and other interested parties within the Regional Planning Group – Area B, as well as all Regional Water Planning Groups in the state. Refer to the attached exhibits located in the Appendix for details:

V. SIGNATURE OF APPLICANT

Curtis W. Campbell, General Manager
Red River Authority of Texas

Date of Filing

VI. APPENDICES

- 1. **Map Figure**
Regional Water Planning – Region B Vicinity Map Figure 1
- 2. **Schedules**
Task TimelineSchedule 1
- 3. **Exhibits**
Affidavits of Legal Notices and Official Published Notifications.....Exhibit A
Certification of Mailings..... Exhibit B
Copy of Mailed Notice of Public Hearing Exhibit C
Mailing List of Intended RecipientsExhibit D

Appendix 6-1
Map Figure

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Appendix 6-2
Schedules

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Appendix 6-3
Exhibits

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