

**SCOPE OF WORK FOR SUNFLOWER H2O STUDY AREA**  
**KANSAS RURAL WATER ASSOCIATION**  
**January 14, 2011**

## **INTRODUCTION**

This scope of work for the Barber County, Pratt County, Kingman County, Harper County, in Kansas describes the work and deliverables to be conducted by Kansas Rural Water Association (KRWA) under the On-Site Technical Assistance to Public Water Suppliers, contract Number 11-0121 with the Kansas Water Office (KWO), under Item 4: Water Right Reviews and Item 6: Regional Public Water Supply Activities.

## **PURPOSE**

The purpose of this agreement is to define the role KRWA will play in the evaluation of public water suppliers in the Sunflower H2O study area. The outcome will be valued as work in-kind under a Planning Assistance to States agreement between the KWO and the Tulsa District, Corps of Engineers. The specific purpose of this scope is to assist in the needs assessment of the public water suppliers in the region.

## **BACKGROUND**

The Sunflower H2O Initiative is a consortium of rural communities and water supply systems in south-central Kansas and northern Oklahoma concerned with the area's water issues, including regional nitrate contamination of groundwater supply sources, aging infrastructure and distribution and treatment capacity limitations. The Initiative entered into a regional planning grant study in 2007 with KDHE to conduct a preliminary needs assessment. That assessment identified current sources of water being utilized by the suppliers in the study area and included demand projections developed by the KWO and the state of Oklahoma.

This work is a component of a regional water supply and demand study being conducted under the Planning Assistance to States Program with the Tulsa District Corps of Engineers. The overall intent of the study is to refine the information in the regional planning study and identify the gap between future demands and supply sources, identify alternative sources and develop preliminary cost estimates for alternatives to close the gap.

## **SCOPE OF WORK**

### **1. Compilation of Water Suppliers information**

- Size of PWS – Number of connections and population served.
- Water Rights – Identification of each PWS' current water rights and status, including authorized rates and quantities, points of diversion, place of use and reported water use.
- Purchasers and Sellers – summary of wholesale relationships, including contract quantity, length and other pertinent clauses
- Cost of water and price to consumers

- Summary of 10 year unaccounted for water history
- Future Outlook – Describe any known plans for growth, consolidation or purchase or sales.
- Treatment facilities – Capacity and description of treatment facilities, condition, description of any water quality or operational issues.

**2. Process and reporting**

- Hold teleconference meetings with KWO to review progress and resolve questions and issues that may arise.

**3. Report Preparation**

- Prepare draft and final report compiling each public water suppliers’ information.

**INFORMATION PROVIDED BY KWO**

KWO will provide data to be analyzed and verified, along with maps that may be needed. Information as available will be obtained from KDHE and DWR. Follow-up as needed with the agencies will be a mutual responsibility.

Water rights reviews and additional information or clarification of system information will be obtained independently by KRWA.

**TIMEFRAME**

This activity will commence upon the signing of the agreement between the COE and the KWO and will be completed within 3 months.

**DELIVERABLES**

<b>Item</b>	<b>Days to Completion</b>
Draft Report	90 days
Final Report	30 days after receipt of review comments, delivered by KWO 30 days after receipt of draft report.

**CONTACTS**

Tina Rajala will be the contact for the purpose of this scope which is within contract KWO #11-0121. Margaret Fast is the overall project manager on the PAS study with the COE, for which this scope is a match.

**ACKNOWLEDGMENTS**

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Elmer Ronnebaum

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Tina Rajala