



MODOC RESOURCE CONSERVATION DISTRICT

221 W 8th St
Alturas CA 96101
(530) 233-4137 x 115

REQUEST FOR PROPOSAL (RFP) FOR ENGINEERING SERVICES

Project Title: Emergency Fire Suppression Water Source and Storage Facility Project

Project Location: Modoc Recreational Estates, Modoc County

Client: Modoc Resource Conservation District

Date: 8/1/2024

Proposals will be accepted until: 8/15/2024

1. Introduction

Modoc Resource Conservation District (MRCD) is seeking proposals from qualified engineers/engineering firms to prepare a Preliminary Engineering Report (PER) for identifying the optimal location and preliminary design of an emergency fire suppression water source and water storage facility. This facility is crucial for enhancing fire safety and response capabilities in the Modoc Recreational Estates (MRE).

2. Project Overview

The objective of this project is to evaluate potential sites for an emergency fire suppression water source and storage facility, assess their feasibility, and provide recommendations for the best location and preliminary design. The facility will serve to ensure reliable access to water for fire suppression in the MRE.

MRE is a large residential subdivision in Modoc County located North-Northeast of the City of Alturas. There are approximately 1,857 parcels covering an area of around 3,965 acres. According to the County, there are 343 homes, 72 of which are stick built and 271 are manufactured homes. The Modoc Recreational Estates Fire Mitigation Plan (July 2007) identified the extreme shortage of water for firefighting purposes, and the Modoc County Community Wildfire Protection Plan (2022) listed the need to develop an emergency fire suppression water source as a high priority for the community.

3. Objectives

- **Identify and evaluate potential sites** for the water source and storage facility.
- **Assess the feasibility** of each site considering water availability, accessibility, and environmental impacts.
- **Provide recommendations** for the best location based on technical, environmental, and logistical criteria.
- **Develop a preliminary design** concept for the selected site.

4. Scope of Work

4.1 Project Planning and Coordination

- **Data Collection:** Gather existing data related to water resources, fire suppression needs, topography, land use, and regulatory requirements. Alturas Rural Fire Department and Cal Fire are the two main fire fighting agencies that will utilize the facility.
- **Site Identification and Evaluation**
 - **Site Selection Criteria Development:** Define criteria for evaluating potential sites, including water availability, land suitability, access, and proximity to high-risk areas.
 - **Site Identification:** Identify and map potential locations for the water source and storage facility.
 - **Site Visits and Surveys:** Conduct site visits to collect field data and assess site conditions.
- **Technical Feasibility Analysis**
 - **Hydrological Assessment:** Evaluate the availability and quality of water sources (e.g., wells, streams, reservoirs) at each potential site.
 - **Geotechnical Analysis:** Assess soil and geological conditions to determine site stability and suitability for construction.
 - **Infrastructure Evaluation:** Analyze existing infrastructure, including access roads and utilities, and determine any required improvements.

4.2 Environmental and Regulatory Review

- **Environmental Impact Assessment:** Identify potential environmental impacts of the proposed facility, including effects on local ecosystems and water bodies.
- **Regulatory Compliance:** Review local, state, and federal regulations and permits required for site development and operation.

4.3 Preliminary Design Concept

- **Design Alternatives:** Develop preliminary design concepts for the water source and the water storage facility, including pump(s), piping, tank size, type, and layout.
- **Cost Estimates:** Provide preliminary cost estimates for construction, operation, and maintenance of the facility.
- **Operational Considerations:** Assess the operational aspects, including water delivery systems, maintenance requirements, and emergency response integration.

4.4 Reporting and Recommendations

- **Preliminary Engineering Report:** Prepare a comprehensive report detailing the findings of the site evaluation, technical feasibility analysis, environmental review, and preliminary design.
- **Recommendations:** Provide clear recommendations for the optimal site and design for the emergency fire suppression water source and storage facility.
- **Additional Information** Any other relevant information that supports the firm's qualifications and proposal.

5. Submission & Evaluation Details

Interested engineering firms are requested to submit proposals and will be subject to the following evaluation criteria.

Submission information

- Company profile, CA license # and relevant experience with similar projects.
- Proposed methodology and approach to conducting the study.
- Project timeline with key milestones and deliverables. Note: this study is being funded by a grant from the Sierra Nevada Conservancy. As this grant will expire on December 31, 2024, the final report is needed no later than November 15, 2024.
- Detailed cost proposal with breakdown of fees and expenses. The District will require an electronic copy and five (5) hard copies of the final report. The cost proposal should include a not-to-exceed amount, which includes reimbursables.

Evaluation Criteria

- Experience and qualifications of the firm and project team.
- Methodology and approach to conducting the study.
- **Timeline and** feasibility of the proposed project schedule.
- Cost-effectiveness of the proposal.
- Compliance with proposal submission requirements.
- Past performance and references.

Proposals must be submitted no later than [2 weeks of posted date] to Modoc RCD C/O Michael Colbert at mcolbert.mrcd@outlook.com.

Late submissions may not be considered. All inquiries regarding this RFP should be directed to Michael Colbert at mcolbert.mrcd@outlook.com or 530-640-2179.

We look forward to receiving your proposal and appreciate your interest in assisting with this important project.

The issuance of this RFP does not commit Modoc Resource Conservation District to award a contract or to pay any costs incurred in the preparation of proposals. Modoc Resource Conservation District reserves the right to reject any or all proposals received, or to negotiate separately with competing firms. Any contract resulting from this RFP will be subject to terms and conditions mutually agreed upon by both parties.

MODOC RESOURCE CONSERVATION DISTRICT

REQUEST FOR PROPOSALS (RFP)

Emergency Fire Suppression Water Source and Storage Facility Project

8/1/2024

Modoc Resource Conservation District is seeking proposals from qualified engineers/engineering firms to provide engineering services to identify the optimal location and preliminary design of a emergency fire suppression water source and water storage facility in the area known as the Modoc Recreational Estates (MRE). The MRE are located just north of the City of Alturas, CA. This Request for Proposals (RFP) is issued to invite competitive proposals from interested parties.

Project Overview:

- **Project Title:** Emergency Fire Suppression Water Source and Storage Facility Project
- **Project Description:** Provide a comprehensive preliminary engineering report for an emergency fire suppression water source and storage facility.
- **Location:** Modoc Recreational Estates, Modoc County
- **Scope of Work:** The final report will include a description and maps of the area under consideration, address any existing facilities, need for the project, site assessments, water demand, feasibility, alternatives, recommended project, and cost estimate.
- **Funding:** The funding for this project is being provided by a grant from the Sierra Nevada Conservancy, an agency of the State of California.

Proposal Submission Requirements:

- **Proposal Deadline:** 8/15/2024
- **Submission Method:** Proposals may be submitted electronically to mcolbert.mrcd@outlook.com or mailed to MRCD, 221 W. 8th Street, Alturas, CA 96101
- **Contact Information:** Michael Colbert, Grants Project Manager, 530-640-2179, mcolbert.mrcd@outlook.com

Evaluation Criteria: Proposals will be evaluated based on experience, qualifications, project approach, time schedule, and cost.

Additional Information:

- **RFP Documents:** The RFP document can be downloaded from our website at <https://www.modocred.org/> or documents are available upon request from Michael Colbert at mcolbert.mrcd@outlook.com
- **Rights Reserved:** Modoc Resource Conservation District reserves the right to reject any or all proposals, to waive informalities and minor irregularities, and to negotiate with the selected individual/firm to arrive at the best possible contract for the project.

For additional information, please contact Michael Colbert at 530-640-2179 or mcolbert.mrcd@outlook.com .

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