

R|O|A GRANT OPPORTUNITIES REPORT

\$1.9 Million Award to Deliver Safe Drinking Water and Protect Public

The Bridgeport Public Utility District (BPUD) is responsible for the major operations of water and wastewater disposal services for the town of Bridgeport, California. In January 2001, U.S. Environmental Protection Agency (EPA) set a new drinking water standard for arsenic at 10 micro grams per liter (ug/L) compliance by all public water systems required by January 2006. Of the water supply wells for BPUD, the water from all three wells exceeded the drinking water standards for arsenic and there are no existing facilities for removal. A Compliance Order from the State of California, Department of Public Health was issued to BPUD for failure to comply with the arsenic maximum contaminant level.

In response to the Order, BPUD began sampling wells and noticing its customers. In June 2009, BPUD contracted with R.O. Anderson to prepare a Preliminary Engineering Report (PER) that evaluated different options for arsenic removal, developed a conceptual design, and budgetary pricing for the preferred option. R.O. Anderson recommended a Coagulation/Filtration treatment system for the removal of arsenic. Additionally, the project will include the construction of a new 700 square foot water treatment building which will house the arsenic removal system, and a 30,000-gallon sludge holding/settling storage tank on two adjacent parcels owned by the District.

The proposed arsenic treatment and mitigation project was estimated to cost \$1.9 Million. BPUD recognized these water infrastructure system improvements were critical to public health, economic development, and growth; however, the project costs greatly exceeded BPUD's financial resources. Due to the small customer base within the service area, there was insufficient revenue for significant infrastructure requirements. Furthermore, the cost per household for water service was already high for this small rural community with a significant number of customers at poverty level income.

Through our in depth grant research program, R.O. Anderson identified several potential funding sources and provided a summary report to BPUD for consideration. R.O. Anderson was retained to prepare the detailed applications for submittal to the USDA Rural Development, Water and Waste Disposal Loan Program, and California Department of Public Health. R.O. Anderson also performed the required environmental analysis and prepared the CEQA document for submittal to the funding agencies. As a result, BPUD was recently notified of funding approval and is awaiting receipt of the funding agreement for \$1,520,000 or 80% of the project cost from the California Department of Public Health. Furthermore, the remaining \$380,000 or 20% of the project cost will be awarded to BPUD in the form of a zero percent interest loan. R.O. Anderson is currently working to finalize plans and contract documents. Construction is expected to take place this summer.

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USDA Rural Development Funding Available

R.O. Anderson staff recently attended a workshop held by the USDA Rural Development - Nevada at the Nevada Rural Water Conference. Among other items discussed at the workshop, the USDA advised that they currently have 50% of their FY2011 allocation available for funding projects. Additionally, while there is an expectation that some of the USDA housing programs will lose funding in FY 2012, funding for rural utilities is actually expected to increase. If you have a rural utilities project (water, wastewater, roads) in need of funding, we encourage you to contact our Grant Professional, Stephanie Hicks, AICP, at (775) 215-5042 to discuss this funding opportunity.

Grant Opportunities

WATER CONSERVATION

WaterSMART: System Optimization Review Grants (CA & NV)

Deadline: April 27, 2011

Match: 50%

The U.S. Department of the Interior's (DOI) WaterSMART (Sustain and Manage America's Resources for Tomorrow) Program establishes a framework to provide Federal leadership and assistance on the efficient use of water, integrating water and energy policies to support the sustainable use of all natural resources, and coordinating the water conservation activities of various Department bureaus and offices. Through the program, DOI is working to achieve a sustainable water strategy to meet the Nation's water needs. With WaterSMART System Optimization Review Grants, Reclamation provides cost-shared funding on a competitive basis for SORs that focus on improving water and energy efficiency throughout a system, district, or river basin.

Eligible Applicants: States, Indian tribes, irrigation districts, water districts, or other organizations with water or power delivery authority located in the western United States or United States Territories as identified in the Reclamation Act of June 17, 1902, as amended.

Eligible Activities: System Operation Reviews (SOR) consist of: (1) An assessment of the potential for water management improvements in a river basin, system, or district and (2) A report identifying specific improvements to increase efficiency, including a plan of action for

implementing the recommendations. The recommendations can include physical improvements, such as modernizing a water delivery system, changing operations to improve water and energy efficiency, or facilitating water transfers or water marketing. The SOR may focus on a watershed, river basin, district, delivery system, or a portion thereof. Completing an SOR will help Indian tribes, districts, states, and other local entities with water delivery authority to identify potential projects and develop the supporting documentation necessary to apply for Water and Energy Efficiency Grants under the WaterSMART Program.

WaterSMART: Advanced Water Treatment Pilot and Demonstration Project Grants (CA & NV)

Deadline: May 11, 2011

Match: 50%

Recent technical developments in the field of water treatment permit the use of some impaired waters that previously were unusable. Through this WaterSMART Grant opportunity, Reclamation is making available cost-shared funding on a competitive basis for pilot and demonstration projects that will accelerate the adoption and use of advanced water treatment (AWT) technologies to increase water supply and provide for long term water sustainability.

Eligible Applicants: States, Indian tribes, irrigation districts, water districts, or other organizations with water or power delivery authority located in the western United States or United States Territories as identified in the Reclamation Act of June 17, 1902, as amended.

Eligible Activities: Projects funded under this program will include pilot and demonstration projects that will address the technical, economic, and environmental viability of treating and using brackish groundwater, seawater, impaired waters, or otherwise creating new water supplies within a specific locale. AWT technologies generally include methods that remove salt and other difficult to remove dissolved and suspended matter, including viruses and bacteria that are not removed by conventional treatment (e.g., simple screening, chlorination, coagulation/flocculation, chloramination, or ozonation). Pilot and demonstration projects build on existing information, are used to determine the physical and economic viability or suitability of a process, and demonstrate that the process is ready for design, construction, and testing. Pilot and demonstration projects have treatment flows that are a fraction of the intended final installation (full-scale plant) with flow generally from 1 to 500 gallons per minute (gpm).

Anticipated proposals include projects to demonstrate reverse osmosis, nanofiltration, microfiltration, or other membrane processes, including electrodialysis, pretreatment processes, advanced oxidation processes, disinfection, biological processes, concentrate disposal, or other AWT processes. The purpose of these projects is to demonstrate the technical and economic viability of making beneficial use of an impaired water source within a specific locale.

WaterSMART: Grants to Develop Climate Analysis Tools (CA & NV)

Deadline: May 13, 2011

Match: 50%

Through WaterSMART Grants to Develop Climate Analysis Tools, Reclamation provides cost-shared funding on a competitive basis for research activities that are designed to enhance the management of water resources in a changing climate. Projects will focus on the information gaps outlined in the joint Reclamation and United States Army Corps of Engineers' report titled *Addressing Climate Change in Long-Term Water Resources Planning and Management: User Needs for Improving Tools and Information*. Projects will support ongoing efforts under the SECURE Water Act (Subtitle F of Title IX of the Omnibus Public Land Management Act of 2009, P.L. 111-11 (42 USC 10364), including efforts within DOI Landscape Conservation Cooperatives (LCCs), Basin Studies, and West-Wide Climate Risk Assessments.

Eligible Applicants: Universities, non-profit research institutions, or organizations with water or power delivery authority.

Eligible Activities: This program is available for research activities that will help enhance the management of water resources. Research Areas A-G, below, describe projects eligible for funding:

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| Research Area A: | Obtaining Climate Change Information; |
| Research Area B: | Make Decisions About How To Use the Climate Change Information; |
| Research Area C: | Assess Natural Systems Response; |

Comprehensive Grant Services

R.O. Anderson offers the following grants services:

Money Search: R.O. Anderson can provide you with an in-depth search of available grant opportunities and develop a list of potential funding sources.

Research: If your organization has a written proposal, but has not found the funding source, our firm can locate available funding opportunities. We can also rewrite the proposal to fit the new guidelines and resubmit to the new source.

Proposal Writing: Starting from the project's concept, R.O. Anderson offers grant writing and development services. We will prepare proposals and related documents for submission to and follow-up with the funding source(s).

Grant Administration: R.O. Anderson also offers grant administration services. With a CPA on staff, we are prepared to handle the task of administering the grant so that you can focus on your project.

Ready to get started? We're ready to help you take the next step to obtain funding for your projects. Contact Stephanie Hicks, AICP, Senior Planner/Grants Professional, at (775) 215-5042 or shicks@roanderson.com.

- Research Area D: Assess Socioeconomic and Institutional Response;
- Research Area E: Assess System Risks and Evaluate Alternatives;
- Research Area F: Assess and Characterize Uncertainties; and,
- Research Area G: Communicating Results and Uncertainties to Decision-makers.

In Last Month's Issue

ENVIRONMENT

Urban Greening for Sustainable Communities Program (CA)

Deadline: May 15, 2011

Match: No match required.

Due to the built-out nature of California's urban areas, the Urban Greening Planning Program will provide funds to assist entities in developing a master urban greening plan that will ultimately result in projects to help the State meet its environmental goals and the creation of healthy communities.

PARKS & RECREATION

Statewide Park Program Round Two (CA)

Deadline: July 1, 2011

Match: No match required.

Round Two of the Statewide Park Program will make \$184 million available for the creation of parks, recreation opportunities and facilities in proximity to the most critically underserved communities across California. The creation of new parks in neighborhoods will be given priority. These projects will benefit the health of families, youth, senior citizens, and other population groups by meeting their recreational, cultural, social, educational, and environmental needs.

Calendar

April 27, 2011

WaterSMART: System Optimization Review Grants

May 11, 2011

WaterSMART: Advanced Water Treatment Pilot and Demonstration Project Grants

May 13, 2011

WaterSMART: Grants to Develop Climate Analysis Tools

May 15, 2011

Urban Greening for Sustainable Communities Program

June 10, 2011

EDA Public Works Program

July 1, 2011

Statewide Park Program Round Two

Continuous Filing

EDA Planning Grants

USDA Rural Development Community Facilities Program

USDA Rural Development Rural Utilities Program



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R.O. Anderson Engineering, Inc. (R.O. Anderson) is an established and experienced professional services firm specializing in civil engineering, hydrology and hydraulics, planning and grants services, landscape architecture, and land surveying.

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