RECLAMATION
Managing Water in the West

U.S. Department of the Interior
Bureau of Reclamation

NOTICE OF INTENT TO AWARD

This Funding Announcement is not a request for applications. This announcement is to provide public notice of the Bureau of Reclamation's intention to fund the following project activities without full and open competition.

ABSTRACT	
Funding Announcement	BOR-DO-17-N031
Project Title	Contaminants of Emerging Concern in Concentrate Stream Pilot Study
Recipient	Cal Poly Pomona Foundation, Inc.
Principal Investigator / Program Manager	Ali Sharbat sharbat@cpp.edu
Anticipated Federal Amount	$60,000
Cost Share	$0
Total Anticipated Award Amount	$60,000
New Award or Continuation?	Continuation
Anticipated Period of Performance	18 months, July 2017 to December 2018
Award Instrument	Cooperative Agreement
Statutory Authority	Public Law 111-11, Section 9504(b) Research Agreement Authority
CFDA # and Title	15.560 Secure Water Act Research Agreements
Single Source Justification Criteria Cited	(2) Continuation
Reclamation Point of Contact	Janeen Koza jkoza@usbr.gov

OVERVIEW

In August 2016, Reclamation and Recipient entered into cooperative agreement R16AC00140 (Agreement), to investigate contaminants of emerging concern (CEC) and their effect in reverse osmosis (RO) concentrate streams as direct and indirect potable reuse are utilized more and more in the western US and other US and world communities. Under this Agreement, Recipient will identify and classify the major representative CECs in water reclamation projects, identify the proper analytical methods, perform field / laboratory studies and data collection for monitoring CECs in various water reclamation in the US specially in the western states, and perform a pilot study for monitoring and date collection for CEC removal on an innovative hybrid treatment chain that consists of primary wastewater treatment, MF, and RO. Recipient will analyze the results and data from collected from the study, prepare a technical report, and publicize the results.

Although the scope of work for the Agreement includes all four phases of the Project, the current approved budget and total estimated amount of the Agreement only include the costs for Phase 1, the literature studies and library work to identify and classify the CECs, and Phase II, the field/laboratory studies and data collection for monitoring CECs. The purpose of this modification is to adjust the approved budget to incorporate the costs of Phase III and Phase IV and increase the total estimated amount of the Agreement accordingly.

RECIPIENT INVOLVEMENT

Recipient will complete Phase III and Phase IV of the authorized scope of work for cooperative agreement R16AC00140, which are:

- Complete the pilot study for monitoring and date collection for CECs removal on an innovative hybrid treatment chain that consists of primary wastewater treatment, MF, and RO.

- Analyze collected data from Phase I, Phase II, and Phase III, prepare technical report and publications, and disseminate results.

RECLAMATION INVOLVEMENT

Substantial involvement on the part Reclamation is anticipated for the successful completion of the objectives to be funded by this award. In particular, Reclamation will be responsible for the following:

- Peer Review and QA/QC on RO operation and CEC sampling
- Emerging contaminant data review and analysis
- Site visit(s) to troubleshoot RO system and work on the pilot study

SINGLE-SOURCE JUSTIFICATION

DEPARTMENT OF THE INTERIOR
SINGLE SOURCE POLICY REQUIREMENTS

Department of the Interior Policy (505 DM 2) requires a written justification which explains why competition is not practicable for each single-source award. The justification must address one or more of the following criteria as well as discussion of the program legislative history, unique capabilities of the proposed recipient, and cost-sharing contribution offered by the proposed recipient, as applicable.

In order for an assistance award to be made without competition, the award must satisfy one or more of the following criteria:

(1) Unsolicited Proposal – The proposed award is the result of an unsolicited assistance application which represents a unique or innovative idea, method, or approach which is not the subject of a current or planned contract or assistance award, but which is deemed advantageous to the program objectives;

(2) Continuation – The activity to be funded is necessary to the satisfactory completion of, or is a continuation of an activity presently being funded, and for which competition would have a significant adverse effect on the continuity or completion of the activity;

(3) Legislative intent – The language in the applicable authorizing legislation or legislative history clearly indicates Congress' intent to restrict the award to a particular recipient of purpose;

(4) Unique Qualifications – The applicant is uniquely qualified to perform the activity based upon a variety of demonstrable factors such as location, property ownership, voluntary support capacity, cost-sharing ability if applicable, technical expertise, or other such unique qualifications;

(5) Emergencies – Program/award where there is insufficient time available (due to a compelling and unusual urgency, or substantial danger to health or safety) for adequate competitive procedures to be followed.

Reclamation did not solicit full and open competition for this award based the following criteria:

(2) CONTINUATION

Single Source Justification Description:

This modification is to obligate Federal funds to complete Phases III and IV of the Contaminants of Emerging Concern in Concentrate Stream Pilot Study that is currently being performed under cooperative agreement R16AP00140. Phases I and II of the study are complete and portions of Phase III are significantly underway. Competition for the completion of Phase III and Phase IV would significantly delay the project and increase the cost to the Government. Competitions would also have a significant adverse effect on the continuity of the study and could adversely affect the results.

STATUTORY AUTHORITY

9504(b) RESEARCH AGREEMENTS.—

(1) AUTHORITY OF SECRETARY
The Secretary may enter into 1 or more agreements with any university, nonprofit research institution, or organization with water or power delivery authority to fund any research activity that is designed—

(A) to conserve water resources;

(B) to increase the efficiency of the use of water resources; or

(C) to enhance the management of water resources, including increasing the use of renewable energy in the management and delivery of water.