Pre-solicitation Notice

Request For Proposal Number>Title: DE-SOL-0007963, Conceptual Design for a Supercritical Carbon Dioxide Power Cycle Test Facility

The Department of Energy-Idaho Operations Office (DOE-ID) intends to issue a Request for Proposals (RFP) to obtain a conceptual design for a supercritical carbon dioxide (sCO₂) power cycle test facility. The conceptual design will provide information on approaches, designs, costs, and schedules to inform a future solicitation, and to reduce the technical barriers and risks at a relevant scale in preparation for future larger-scale applications.

The scope of this anticipated contract includes the development of a project scope plan and schedule, a technical approach plan, a cost estimate to bring a 10 MWE sCO₂ facility and host site to operational readiness, and a host site requirements plan.

The RFP represents a crosscut initiative between the DOE Offices of Nuclear Energy, Fossil Energy, and Energy Efficiency and Renewable Energy in order to reduce the technical barriers and risks associated with commercializing the sCO₂ power cycle.

It is anticipated the RFP may be released and posted to the http://www.fedbizopps.gov web site, via the FedConnect website portal (www.fedconnect.net), on or about July 15, 2015, with an anticipated RFP closing response date of August 17, 2015. Award for multiple (i.e. 2 to 3) contracts is estimated to be on or about September 20, 2015 with work commencing thereafter. A firm-fixed-price contract is anticipated. The procurement is a full and open competition; however, DOE shall reserve 2 of the 3 awards for small business if all other things are equal with the proposal(s) submitted by large business(es). This preference for small business is not a partial small business set-aside per FAR 19.502-3. Instead, this approach allows DOE to give preference to small business(es) in this solicitation’s award evaluation, but does not restrict DOE from awarding to a large business(es) if no small business(es) respond to the solicitation or if the best value evaluation results for the small business(es) are not determined to represent best value to the Government. All responsible sources may submit an offer which shall be considered. The award of a resulting contract is dependent on the availability of funds. The NAICS code is 541330, titled Engineering Services. The applicable size standard, according to the U.S. Small Business Administration’s Table of Small Business Size Standards is $15.0M.

For any questions or further details, please contact Heather Merrill by email at merrilhj@id.doe.gov. This is NOT a Request for Proposal, Request for Quote, or Invitation for Bid. The Government is in no way obligated to purchase any services as a result of this notice.