

NOTICE TYPE: **SOURCES SOUGHT NOTICE**

Number ID: **89303321NEM000028**

Title: **Paducah Gaseous Diffusion Plant (GDP) Deactivation and
Remediation (D&R) Project**

Date: **February 25, 2021**

**THIS IS NOT A REQUEST FOR QUOTE OR PROPOSAL. THIS IS A
REQUEST FOR INFORMATION ONLY.**

No solicitation exists at this time. This Sources Sought Notice is released pursuant to FAR 15.201(e), *Exchanges with Industry Before Receipt of Proposals*, and is issued for the purpose of conducting market research.

The U.S. Department of Energy (DOE) Office of Environmental Management (EM) is currently in the acquisition planning stage of the potential contract award for the completion of the Paducah Gaseous Diffusion Plant (GDP) Deactivation and Remediation (D&R) Project, including deactivation and waste disposal for GDP facilities including the process equipment, related process buildings, and other GDP facilities. The Paducah GDP D&R Project also includes remediation of contaminated soils, slabs and groundwater and demolition of unused facilities. The purpose of the contract is to continue the on-going DOE-EM mission at the Paducah Site by accomplishing the scope in the least amount of time and at the best value to the U.S. taxpayer. DOE is seeking innovative risk-based approaches (based on risk analysis) for completing cleanup activities in a safe, compliant, and efficient manner resulting in an accelerated reduction of risk and environmental liability.

The purpose of this Sources Sought Notice is to solicit input via capability statements from interested parties with the specialized capabilities necessary to meet all of the Major Elements of Scope for a potential upcoming competitive procurement for the Paducah GDP D&R requirements. Within these capability statements, DOE is seeking feedback from contractors and other interested parties regarding options for innovative approaches for the performance of the Major Elements of Scope as well as insight into potential contracting alternatives for accelerated achievement of the project. This market research will assist DOE with identifying interested and capable sources and developing its acquisition strategy. Key market research goals include identifying and minimizing barriers to competition, evaluating small business capabilities, and identifying risks. The final contract type, period of performance, amount of funding, and set-aside possibilities will be determined through the acquisition planning process and this market research.

Due to the preliminary stage of this planning activity, a Performance Work Statement (PWS) is not available at this time. However, the Major Elements of Scope are identified in Attachment 1.

DOE will determine whether or not the full requirements can be set-aside for small business, 8(a) small business, HUBZone small business, small disadvantaged business, woman-owned small business, service-disabled veteran-owned small business, or large business. Small businesses, believing that they have the capability to perform all or a portion of the Major Elements of Scope are welcome to demonstrate such capabilities by submitting a capability statement in accordance with the instructions below. Information provided in response to this Sources Sought will also help shape small business subcontracting incentives if a small business set-aside is not feasible. The North American Industry Classification System (NAICS) code for this requirement is 562910, *Environmental Remediation Services*, and the small business size standard is 750 employees.

The DOE EM Consolidated Business Center (EMCBC) created a procurement website where additional information will be provided and can be viewed at <https://www.emcbc.doe.gov/SEB/padgdpdr>. Information posted on the EMCBC procurement website will be updated as it becomes available; therefore, interested parties should monitor the procurement website for additional information. DOE may not respond to or post on the EMCBC procurement website any verbal or written questions or comments pertaining to this Source Sought package.

THIS ANNOUNCEMENT IS NOT A REQUEST FOR PROPOSALS (RFP) AND SHALL NOT BE CONSTRUED AS A COMMITMENT BY THE GOVERNMENT TO AWARD A CONTRACT AT THIS TIME.

All interested parties are hereby invited to submit a capability statement of no more than 15 pages, and no smaller than 12 point font. Also, electronic file submissions must be less than 20 Megabytes. The Government will evaluate each capability statement based on the interested parties' (and that of teaming partners when applicable) demonstrated qualifications, capabilities, expertise and past performance in each of the Major Elements of Scope. More specifically, capability statements should include the following information as appropriate and as applicable:

- 1) Describe your ability, approach (including rationale) and relevant work in performing all of the Major Elements of Scope over the past 5 years. Identify no more than five (5) examples of DOE, other Government, and/or other commercial work relevant to this sources sought [include contract number, role in the effort (i.e., prime contractor or subcontractor), period of performance, dollar value, contract type, scope, client, and contracting agency contact information].
- 2) Identify any performance and/or technical challenges and risks in meeting the requirements discussed in the Major Elements of Scope. Identify how your organization would minimize any risks to maximize the probability of successful performance. DOE is interested in cutting-edge thinking, innovation, and other ways to be more effective in accomplishing work safely through technology.
- 3) Discuss your company and/or teaming arrangement's relevant work managing and integrating the Major Elements of Scope under a single contract to ensure the most efficient overall approach to accomplishing the work at the Paducah GDP D&R

Project requirements. Also, describe your relevant work managing and integrating the work of subcontractors who would perform specialty functions.

- 4) Describe your relevant work in a complex regulatory environment with respect to problem-solving, working with various stakeholders, Citizen Advisory Groups, and regulatory agencies at the state and federal level.
- 5) Describe your ability to obtain the expertise and your relevant work in sponsorship, management and administration of legacy pension plans and other benefit plans including defined contribution plans, post-retirement benefits plans, health and welfare benefit plans and severance. Discuss your company's and/or teaming arrangement's relevant work in managing a union-represented workforce, labor-management relations and in resolving any past labor disputes.
- 6) Provide input and rationale to DOE on the optimal period of performance for the prospective procurement. Discuss any issues the Contracting Officer should consider when developing the solicitation for this requirement. Identify and describe any areas in the Major Elements of Scope believed to be missing, or in need of clarification.
- 7) As previously stated for other procurements, DOE is seeking innovative solutions, with associated reduction in risk and environmental liability, while also providing for accelerated cleanup. Provide input and ideas regarding methods for which a completion type contracting approach could be effectively implemented in order to incentivize the contractor to achieve accelerated completion of the Paducah GDP D&R Project. Highlight any factors that would make competing for this contract desirable or undesirable for your firm, including input on proposal evaluation criteria.
- 8) Identify any Organizational Conflicts of Interest (OCI) concerns and/or potential OCIs that you or your teaming partners may have pertaining to the work described in this Sources Sought Notice.

Interested parties are requested to provide the name of the firm, or firms if a teaming arrangement is being contemplated, point of contact, phone number, address of firm, DUNS number, and/or CAGE code used over the past five years for the prime and each contemplated teaming partner. Small business teams or joint ventures shall identify the socio-economic status of each member and shall provide the capabilities of each member, as well as a description of the work that each member would perform under a contract, keeping in mind the requirements of FAR Clause 52.219-14, *Limitations on Subcontracting* (if any portion of the effort is to be set-aside for small businesses). Identify as one or more of the following under NAICS code 562910, *Environmental Remediation Services*: 1) small business; 2) 8(a) small business (including graduation date); 3) HUBZone small business; 4) small disadvantaged business; 5) woman-owned small business; 6) service-disabled veteran-owned small business; or 7) large business.

DOE reserves the right to use any and all information submitted by, or obtained from, an interested party in any manner DOE determines is appropriate, including, but not limited to, the creation of a competitive solicitation. An interested party should avoid including

any business confidential or proprietary information in its response. However, if an interested party must submit business confidential and/or proprietary information, it must be clearly marked accordingly, and the interested party must provide sufficient justification as to why such information is business confidential and/or proprietary. DOE will review said information and safeguard it appropriately.

The Government will not pay for any information that is provided in response to this announcement nor will it compensate any respondents for the development of such information. All capability statements and questions pertaining to this announcement shall be submitted electronically to PadGDPDR@emcbc.doe.gov no later than 5:00 p.m. Eastern Standard Time on March 24, 2021. DOE may not respond to or post on the EMCBC website any verbal or written questions or comments pertaining to this Notice. DOE personnel may contact firms responding to this announcement to clarify a responder's capabilities and other matters as part of this market research process.

Point of Contact:

Travis Taggart
Contracting Officer
DOE EMCBC
513-309-9808
travis.taggart@emcbc.doe.gov

Attachment 1 – Major Elements of Scope

Complete Deactivation and Remediation (D&R) of the Paducah Gaseous Diffusion Plant (GDP) as outlined in Figure 1.

GDP Facilities (C-333 and Balance of Plant) Deactivation

The desired outcome is to complete final deactivation and demo-ready of the C-333 Process Building at the Paducah GDP and hazard removal from Balance of Plant to include industrial, radiological, and Hazard Category 2 Nuclear Facilities (HAZCAT 2) including, but not limited to the following scope activities:

- Develop and maintain regulatory documents; develop facility specific work plans and designs in compliance with regulatory requirements;
- Perform facility surveillance and maintenance (S&M) activities;
- Manage Material Segmentation Area;
- Remove materials and waste and perform hazardous abatement activities;
- Perform characterization to include non-destructive assay (NDA) (in-situ and/or ex-situ) and necessary analytical sampling;
- Perform Nuclear Criticality Safety Evaluations (NCSE), establish either (1) Criticality Incredible (CI) conditions to downgrade from a HAZCAT 2 nuclear facility to radiological facility, or (2) establish the appropriate documentation and controls to demolish the HAZCAT 2 facilities under nuclear criticality controls;
- Perform characterization for chemical and radiological contaminants;
- Isolate building systems, structures, and components;
- Sort, segregate, and size-reduce waste to meet disposal facility waste acceptance criteria (WAC); and
- Manage waste load-out areas, waste transportation, and waste disposal to approved disposal facility.

Remediation of C-400 Complex Operable Unit

The C-400 Complex is the primary source for offsite groundwater contamination at the Paducah Site. The C-400 Complex Operable Unit includes everything in the specified city block including the building, surface soils, soils/gravel from ground surface to the McNairy formation, slabs, pits, groundwater, etc. The desired CERCLA remedial/removal actions for the area has not been determined yet; however, the Project is expected to be completed during the contract period, excluding long-term monitoring. The following scope activities have been identified:

- Develop and maintain regulatory documents including decision documents per the Federal Facility Agreement and post implementation documentation and actions; develop project specific work plans and designs in compliance with the final approved regulatory documents;
- Maintain ongoing groundwater monitoring, sampling, and pump and treat programs;
- Design, construction and implementation of the approved remedial actions for all medias (soils, groundwater, slabs, etc.) including necessary utility modifications and/or removal, waste treatment facilities, waste management, final verifications and site restoration;
- Demolition/excavation of at or above grade slabs, foundations, and below grade structures;
- Collect, control, and treat surface water and groundwater;
- Large scale handling, packaging, loading, and transporting contaminated media; and
- Demolition of the C-400 building, including all regulatory documents and waste disposal.

Waste Management

The desired outcome includes performing Waste Management Program support including, but not limited to, the following:

- Characterize all wastes, procure appropriate waste packaging, compliantly manage waste pending disposition, and haul/transport waste to the final disposition site(s);
- Provide nuclear measurement methods, data analysis, and reporting;
- Manage stored waste and accountable material, including adherence to nuclear safety, security, and accountability requirements for management/storage of special nuclear material in compliance with requirements;

- Maximize asset recovery and recycling opportunities from the Paducah GDP D&R activities; and
- Maintenance and operations of the Paducah permitted onsite solid waste landfill.

Infrastructure, Services, and Program/Project Support

Perform all program/project support functions including, but not limited to, the following:

- Perform S&M activities for existing and assigned industrial, radiological, and HAZCAT 2 facilities in support of the D&R project;
- Provide project support services for D&R activities including laundry services and lab services;
- Environmental Management and Protection including CERCLA and RCRA;
- Environmental Monitoring/Data Management;
- Legal, Compliance, Industrial Relations, Public Affairs, Property Management, Regulatory Documents;
- Project Planning and Integration (Site-wide Integration, Project Controls, Project Planning);
- ESH&Q Support (Safety and Health, Radiation Protection and Radiological Site Services, Performance Assurance, Quality Assurance, Environmental Protection, Nuclear Material Control and Accountability);
- Business Support (Financial Controls, Human Resources, Information Services, Contracts and Supply Chain, Records Management);
- Nuclear Safety and Engineering Programs (Conduct of Operations and Training); and
- GFS&I for other site tenants: Emergency Management, Fire Services, Utilities Services (power, water).

Other Work Activities

- Characterization and Dismantle of C-531, C-533, C-535 and C-537 Switchyard Equipment (no soil or CERCLA characterization)
- Characterization and Disposal of Freon (R-114)
- Characterization, Deactivation and Demo-Ready of C-310/C-310-A
- Characterization, Deactivation and Demo-Ready of C-315
- Disposal of Freon (R-114)

Figure 1: C-400 Complex Operable Unit City Block

