

NOTICE TYPE: **SOURCES SOUGHT NOTICE**

Number ID: **89303320NEM000026**

Title: **Portsmouth Gaseous Diffusion Plant (GDP) Decontamination and Decommissioning (D&D) Project**

Date: **September 8, 2020**

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. DOE is conducting updated market research from the Request for Information that was released November 2018.

The U.S. Department of Energy (DOE) Office of Environmental Management (EM) is currently in the acquisition planning stage for the potential contract award for the completion of the Portsmouth Gaseous Diffusion Plant (GDP) Life-Cycle Decontamination & Decommissioning (D&D) Project including demolition and disposal of all GDP facilities, process equipment, related process buildings, and other ancillary GDP facilities. The Portsmouth D&D Project also includes remediation of contaminated soils and groundwater. The Portsmouth GDP D&D has been ongoing at the Portsmouth Site since August 2010 when the Portsmouth GDP D&D contract was awarded to Fluor – BWXT Portsmouth. The purpose of the potential end state contract is to achieve completion of the DOE-EM mission at the Portsmouth Site by accomplishing the environmental cleanup in the least amount of time and at the best value to the U.S. taxpayer. DOE is seeking innovative risk-based End State 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 term “End State” is defined as the specified situation at the successful completion of the final phase of an environmental cleanup activity.

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 the upcoming competitive procurement for the Portsmouth GDP D&D 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 project End States. 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. This contract is intended to align with the current EM end state contract model as a completion contract; however, 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 is not available at this time and the Major Elements of Scope are identified in Attachment 1. Attachment 1 also includes a graphical representation (Figure 1) of major scopes of work and timeline of anticipated completion dates.

DOE will determine whether or not the full requirements can be set-aside for small business, 8(a), 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/portsgdpdd/>. 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) 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, 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 achieving completion of the Portsmouth D&D Project. 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 plan, post-retirement benefits plan, 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 that achieve an End State goal, 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 Portsmouth GDP D&D 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) 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 classified, business confidential, and/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 PortsGDPDD@emcbc.doe.gov no later than 5:00 p.m. Eastern Time on, October 9, 2020. 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.

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Attachment 1 – Major Elements of Scope

Complete Decontamination and Decommissioning (D&D) of the Portsmouth Gaseous Diffusion Plant (GDP) within the 8 Year anticipated performance period as outlined in Figure 1.

GDP Facilities (X-326, X-333, X-330, Balance of Plant) Deactivation and Demolition

The desired outcome is to complete final deactivation and demolition of the Portsmouth GDP 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 the Director’s Final Finding and Orders (DFF&O) for Deactivation and Demolition, Process Building Record of Decision (ROD), Comprehensive RD/RA Process Building Work Plan and Deactivation Work Plan, Action Memorandum for Balance of Plant Buildings, and TSCA FFCA;
- Perform facility surveillance and maintenance (S&M) activities;
- Remove materials and waste and perform hazardous abatement activities;
 - Perform non-destructive assay (NDA) (in-situ and/or ex-situ);
 - 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;
 - Demolish facilities and contents in accordance with all applicable regulatory requirements, plans, and procedures down to the at-grade pad or as specified in the demolition plans;
 - 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 the On-Site Waste Disposal Facility (OSWDF) (or applicable off-site disposal).

Remediation of Groundwater Plumes and Consolidation of Legacy Landfills

Excavation and consolidation of the impacted soils is an integral part of the D&D project and will be utilized for engineered fill for OSWDF D&D debris placement. The desired outcome is to excavate and consolidate legacy landfills (X-749A, X-749B, and X-749) and contaminated groundwater plumes (5-Unit, X-749/120, X-701B, and 7-Unit) within the Portsmouth Site Perimeter Road including, but not limited to, the following scope activities:

- Develop and maintain regulatory documents; develop project specific work plans and designs in compliance with the DFF&O for Natural Resources Damage;
- Maintain ongoing groundwater monitoring, sampling, and pump and treat programs;
- Excavate contaminated soils, material, and debris;
- Collect, control, and treat surface water and groundwater;
- Large scale handling, packaging, loading, and transporting contaminated media;
- Groundwater characterization, reporting, and implementation of sitewide groundwater remediation actions; and
- Groundwater will be treated until landfill and plume excavations are complete; residual contaminants will be subject to monitored natural attenuation.

Soil Remediation

The desired outcome includes field characterization and soil remediation of all waste management units and contamination to complete the Portsmouth GDP D&D including but, not limited to, the following scope activities:

- Develop and maintain regulatory documents; develop project specific work plans and designs in compliance with the DFF&O for Deactivation and Demolition, and Decision Document for the Deferred Units;
- Demolition/excavation of at or below-grade slabs, foundations, and below-grade structures and excavation/removal of underground utilities;
 - Soil sampling and characterization;
 - Complete required leachate collection and pre-treatment system activities;
 - Install and operate water treatment facility(ies); and
 - Package/load and transport impacted contaminated soil to the OSWDF (or applicable off-site disposal).

OSWDF Cell Construction and Cell Capping

Preliminary infrastructure and initial cells of the OSWDF will be complete and the OSWDF actively receiving waste generated by the Portsmouth GDP D&D Project. The desired outcome includes construction of the needed remaining cells, waste receipt, waste placement, and complete cell covers including, but is not limited to, the following scope activities:

- Develop and maintain regulatory documents; develop project specific work plans and designs in compliance with Waste Disposition ROD and Comprehensive Waste Disposition RD/RA Work Plan;
 - Continued design and construction of the OSWDF Cells 3&6, Cells 7&8 and Cells 9&10, including needed infrastructure, leachate systems, cell liners and fill construction, and cell covers;
 - Manage capital asset projects for cell construction and capping activities at the OSWDF;
 - Maintain and operate OSWDF; and
 - Transport impacted contaminated soil to the OSWDF.

D&D Waste Management

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

- Characterize radiologically and chemically contaminated wastes, procure appropriate waste packaging, compliantly manage waste pending disposition, and haul/transport waste to the final disposition site (either the OSWDF or an offsite facility);
- Provide nuclear measurement methods, data analysis, and reporting;
- Manage stored waste and accountable material, including adherence to nuclear safety, security, and accountability requirements for storage of special nuclear material in compliance with requirements; and
- Maximize asset recovery and recycling opportunities from the Portsmouth GDP D&D activities.

Land and Programmatic Transition

The desired outcome includes continued transfer of available property for reindustrialization and transition of remaining environmental liability and long-term stewardship of the site to DOE Office of Legacy Management including, but is not limited to, the following scope activities:

- Property survey, appraisals, characterization; environmental baseline surveys and reports; and

- Real property transfers under 10 CFR Part 770 and CERCLA 120(h)(3) and (4).

Infrastructure, Services, and D&D Project Support

Perform all 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&D project;
- Provide support service for D&D activities including laundry services, and sanitary garbage removal; Environmental Protection;
- Environmental Monitoring/Data Management;
- Legal, Compliance, Industrial Relations, Public Affairs, 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 (Site Executive Management and Financial Controls, Human Resources, Information Services, Contracts and Supply Chain, Records Management); and
- Nuclear Safety and Engineering Programs (Conduct of Operations and Training).

Figure 1. D&D Completion Vision by Period

