

REQUEST FOR INFORMATION (RFI)

Solicitation Number: 89303318NEM000015

**Title: Environmental Management (EM) West Valley Demonstration Project
(WVDP) Phase 1B Deactivation & Demolition (D&D) and Soil Remediation**

Date: October 10, 2018

**THIS IS NOT A REQUEST FOR QUOTE OR PROPOSAL. THIS IS A
REQUEST FOR INFORMATION (RFI) ONLY AND IS NOT A COMMITMENT
BY THE GOVERNMENT TO AWARD A CONTRACT AT ANY TIME.**

No solicitation is available. This RFI is released pursuant to FAR 15.201(e), Exchanges with Industry, 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 for the potential contract award to complete the Phase 1B Deactivation & Demolition (D&D) and Soil Remediation activities at the DOE West Valley Demonstration Project (WVDP) Site in western New York. Under the Record of Decision for the National Environmental Policy Act (NEPA), Phase 1 represents the first phase for decommissioning of the WVDP in accordance with the WVDP Act (Public Law 96-368). Phase 1 Decommissioning work has been ongoing at WVDP since August 2011 when the Phase 1 Decommissioning – Facility Disposition contract was awarded to CH2M Hill – BWXT West Valley, LLC.

The purpose of the potential end state contract is to achieve significant reduction in financial liability and environmental risk that provides the best overall optimal solution to site accelerated completion and closure. Due to the preliminary stage of this planning activity, a Performance Work Statement is not available at this time; however, the Major Elements of Scope are identified in Attachment 1. The various Major Elements of Scope have descriptive statements of DOE's "desired outcome" associated with the performance of each element. That "desired outcome" statement is intended to provide the Contractor with insight regarding DOE's perspective on the objectives that need to be accomplished in order to accelerate completion of the WVDP Site cleanup.

The purpose of this RFI 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(s) for the WVDP Phase 1B D&D and Soil Remediation requirements. Within these capability statements, DOE is seeking feedback from contractors and other interested parties regarding end state options for innovative approaches for the performance of the Major Elements of Scope as well as insight into potential contracting alternatives. 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, 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.

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/wvdpphase1/>. Information posted on the EMCBC procurement website will be updated as it becomes available; therefore, interested parties should monitor the EMCBC website regularly for additional information. DOE will not respond to or post on the EMCBC website any verbal or written questions or comments pertaining to this RFI package.

DOE will determine whether or not the full requirements can be performed by small business, 8(a), HUBZone small business, small disadvantaged business, woman-owned small business, service-disabled - veteran-owned small 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. 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.

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 10 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 experience 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 RFI [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, innovativeness, and other ways for DOE to maximize the probability of successfully and safely performing the work through technology.
- 3) Discuss your company and/or teaming arrangement's experience managing and integrating the Major Elements of Scope under a single contact, including experience

managing and integrating the work of subcontractors who would perform specialty functions. Describe your relevant work experience 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.

- 4) Describe your ability to obtain the expertise and relevant work or your ability to obtain the necessary expertise 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 experience in managing a union-represented workforce and labor-management relations and resolving any past labor disputes.
- 5) 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. Provide approaches, including rationale and insight, into contracting alternatives [period of performance, incentives, etc.] to achieve the Major Elements of Scope. In addition, identify any Major Elements of Scope that may be appropriate for a fixed-price contract structure along with any associated pricing challenges and risks. Provide specific feedback for the type of information required from DOE to support development of a fixed-price for any elements of scope.
- 6) As previously stated, DOE is seeking innovative End State solutions for completing clean-up activities that achieve an accelerated reduction in environmental risk and environmental financial liability. 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 contract end states. Highlight any factors that would make competing for this contract desirable or undesirable for your firm, including input on proposal evaluation criteria.

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 that at least 50% of the cost of contract performance incurred for personnel shall be expended for employees of the prime contractor (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 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 pertaining to this announcement shall be submitted electronically to wvdpphase1@emcbc.doe.gov no later than 5:00 p.m. Eastern Time on Thursday, November 1, 2018. 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

Project Management and Support Services

The desired outcome is to perform all Environment, Safety, Health and Quality Assurance (ESH&QA) \ requirements and business administration requirements including, but not limited to the following:

- Environmental Compliance, Monitoring and Permitting;
- Safety;
- Emergency Management;
- Radiation Safety;
- Nuclear Safety;
- Criticality Safety;
- Worker Safety and Health;
- Quality Assurance;
- Engineering;
- Project Management and Finances;
- Infrastructure Support, including Real and Personal Property Management, Communications, Records Management and Support to DOE;
- Office and Information Services;
- Energy Employees Occupational Injury Compensation Program Act (EEOICPA);
- Radiological Assistance Program (RAP); and
- Public Communication Support.

Site Operations and Maintenance (O&M)

The desired outcome is to perform day-to-day operations, maintenance, and repair of designated facilities, systems, and equipment including, but not limited to, responding to service calls, emergencies, day-to-day systems operation, preventive maintenance, and minor alterations. Systems requiring maintenance are expected to include, but may not be limited to:

- Heating, ventilation, air conditioning and refrigeration systems (HVAC&R);
- Electrical distribution system;
- Natural gas distribution system;
- Potable water treatment and distribution system;
- Energy management control systems (EMCS);
- Fire alarm/suppression systems;
- Backup generators/Uninterruptible Power Supply (UPS);
- Interior building finishes;
- Interior and exterior lighting;
- Exterior walls, windows, and signage;
- Moisture protection and roofing;
- Storm and sanitary piping systems;
- Waste Tank Farm Tank and Vault Drying System; and

- Wastewater (including both radiological and industrial) treatment system, including ponds and lagoons.

Remote Handled Waste Facility (RHWF) - Maintain the RHWF in an operational or operable condition throughout the period of performance to ensure it will be an operational facility at the end of the period of performance.

O&M of Reservoir, Spillway & Rail Line - Operate and maintain the reservoir, emergency spillway, dams and all appurtenant structures in a safe condition throughout the contract period to ensure integrity of the WNYNSC Class 1 railroad line, from the site to the beginning of the Buffalo Pittsburgh line, and eliminate overtopping of the dams.

WMA 1(Waste Management Area) O&M and Renovation - Perform O&M activities and design and install the following items outside WMA 1:

- Replacement of the existing Fire Pump House;
- Waste and water storage tank;
- Low Level Waste Treatment System ((LLWTS) to manage water from the NDA (Nuclear Regulatory Commission Licensed Disposal Area); and
- Fire loop.

Permeable Treatment Wall (PTW) Management - Operate, monitor, and maintain the PTW and perform removal and disposal of the PTW Soil Containment Structure including all soils contained within the PTW Soil Containment Structure.

High Level Waste Canister Interim Storage Facility - Operate, monitor, and maintain the HLW Canister Interim Storage Facility located on the south plateau of the WVDP.

Facility Deactivation and Demolition (D&D) and Soil Remediation

The desired outcome is to complete above, at- and below-grade demolition of the WVDP facilities (including those areas designated as Hazard Category (HAZCAT) 3), soil removal (depths may extend 50 feet below-grade), and waste characterization, processing, packaging, transportation and disposal.

Facility Deactivation and Demolition (D&D)

- Main Plant Process Building (MPPB) Deactivation and Demolition - Final deactivation of the below-grade cells of the MPPB and decontamination of the Product Purification Cell-South to the extent necessary to support demolition of the MPPB, demolition, and associated waste characterization, processing, packaging, transportation and disposal.
- Vitrification Facility (VF) Below-Grade Demolition - Removal of the at-grade materials and concrete floor, stub walls, stainless steel liners, associated subgrade structures, and associated waste characterization processing, packaging, transportation and disposal.

- Fuel Receiving and Storage Facility, Head-End Ventilation (HEV) Building Concrete Floor Slabs in WMA 1, Fire Pump House and Water Storage Tank (32D-1), and Below-grade Tanks and Balance of Site Facility Decommissioning - Removal of the above, at and below-grade facilities and structures and associated waste characterization processing, packaging, transportation and disposal.

WMA 1 Soil Excavation and Remediation - Removal, processing, packaging, transportation, and offsite disposal of all fill, soil, and geologic strata, removal and disposal of the source area of the radioactive North Plateau Groundwater Plume, remedial action surveying, and backfill with clean fill.

Low-Level Radiological Waste Treatment System Operations, Deactivation and Removal; and Waste Management Area (WMA) -2 Soil Removal and Remediation - Maintenance of all facilities in Waste Management Area (WMA) 2, subsequent removal of this system when no longer needed, associated waste processing, packaging, transportation, and disposition, and soil remediation, remedial action surveys and backfilling.

Waste Tank Farm

The desired outcomes includes:

- Operation, inspection, maintenance and repair of all systems, including any designated HAZCAT3 components, required for the ongoing operations within the Waste Tank Farm (WTF) and Supernatant Treatment System (STS) Support Building, including continued operation of the Permanent Ventilation System (PVS) and the Tank and Vault Drying System (T&VDS) to provide cost effective measures to eliminate or control surface and/or groundwater infiltration and migration of water from other sources into the WTF;
- Retrieval, processing, packaging, transport, and disposal of tank heel (sludge and solids on bottom of tank), cesium-laden liquid, and the removal and disposal of all liquid and heel treatment/disposition equipment and materials; and
- Removal, processing, packaging, transportation and disposal of HLW pumps currently located in tanks and removal, processing, packaging, transportation and disposal of all HLW associated piping and equipment located within the HLW Transfer Trench and Pits.

Nuclear Regulatory Commission (NRC) – Licensed Disposal Area (NDA)

The desired outcome includes:

- Inspection, environmental and erosion monitoring, maintenance and repair of the NDA armored toe, the NDA geomembrane cover, the NDA subsurface barrier wall, and the NDA Interceptor Trench;
- Management and treatment of radioactively contaminated water collected in the NDA Interceptor Trench; and
- Removal, processing, packaging, and disposal of the NDA Hardstand.

Waste Management and Nuclear Materials

The desired outcome includes:

- Characterization, processing, packaging, transportation and disposal of all wastes generated under the Major Elements of Scope including remaining legacy waste with a pathway for disposal;
- Storage of waste with no pathway for disposal. Package and store Transuranic (TRU) waste, or in the event that a pathway for TRU disposal waste becomes available before the end of the contract, transport and dispose of TRU waste; and
- Operate HAZCAT 3 facilities, including the Remote Handle Waste Facility (RHWF), Fuel Receiving and Storage Area (FRS), Container Sorting and Packaging Facility (CSPF), Lag Storage Area (LSA) Shipping Depot and LSA 4 Waste Packaging Area for waste processing and packaging.

Safeguards and Security

The desired outcome includes performance of all personnel, physical and information safeguard and security activities to ensure appropriate levels of protection against unauthorized access; loss or theft of Government property; and other hostile acts that may cause unacceptable adverse impacts on the health and safety of DOE and contractor employees, the public, or the environment.