



Request for Proposals

Title:

PM-HIP/EBW feasibility
project RFP

Due:

05/08/2023
No later than 11:00 a.m. PST

Contact:

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01. SCHEDULE

05/01/2023	Public announcement of Request for Proposals
05/08/2023	Proposals Due no later than 11:00 a.m. PST
05/10/2023	Selection of Consultant and Negotiation of Specific Terms

*NOTE: Dates as indicated are best estimates for informational purposes only.

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03. SUBMITTAL INSTRUCTIONS

Electronic submittal: Submit one (1) electronic proposal and any required attachments, the Submittal Packet first page shall be digitally signed by an authorized representative of the proposer’s firm. For easy identification, please list “PM-HIP/EBW feasibility project RFP” in the subject line of the email. Electronic submittals shall be sent to scollins@portofbenton.com and must be received by proposals due date referenced above.

Proposals shall contain all required information as defined herein and be submitted to the Port of Benton electronically no later than the date, time, and place as stated on the cover page of this RFP or as amended. Proposals will not be accepted in any format other than as required above. Late proposals will not be accepted and will be returned to the proposers unopened.

Proposers shall be fully responsible for any and all costs incurred in the preparation and submittal of their proposals.

04. PROJECT OVERVIEW

The Port of Benton (“Port”) is soliciting proposals from experienced individuals or firms (“Proposer” or “Proposers”) interested in providing Technical Expertise, Project Management, and/or Project Coordination to support its project to characterize the feasibility of commercializing, in the Tri-Cities Washington, large scale powder metallurgy–hot isostatic pressing (PM-HIP) and supporting technologies including electron beam welding (EBW). Proposers will be permitted to submit a proposal for individual or multiple separable components of the operation as further detailed under **Section 06. Desired Proposal**.

05. BACKGROUND

The Port of Benton (hereafter referred to as “Port”) fosters economic development and trade by providing quality infrastructure and multimodal transportation at a variety of sites in Benton County of Washington State. The Port also administers the region’s state Innovation Partnership Zone known as the Tri-Cities Research District (TCRD). The TCRD’s goal is to accelerate innovation that results in economic growth, investment capital, and educational resources for local startups in southeastern Washington State. Target sectors of greatest interest are within advanced manufacturing, clean energy and bioscience sectors that support state-wide decarbonization.

The Port has created and is managing the industry-led clean energy cluster known as Washington VERTical (hereafter referred to as ‘VERTical’ – ‘vert’ is green in French, and the operative word for the green cluster). The cluster’s first activity was creation of a supply chain alliance to solve industrywide challenges to accelerate clean energy innovation through deployment of advanced nuclear technologies including advanced reactors, small modular reactors, and micro modular reactors.

To date it has been recognized that heavy manufacturing of advanced materials required by advanced nuclear technologies is facing challenges in meeting the demand for large-scale components. These challenges are impacting other industries that include aerospace, aviation, military, energy, and electricity generation.

Research performed by the Electric Power Research Institute (EPRI) and various stakeholders in the electricity sector has led to growing interest in powder metallurgy–hot isostatic pressing (PM-HIP) and supporting technologies including electron beam welding (EBW). Efforts by the Department of Energy (DOE) and EPRI have demonstrated the ability of these technologies to produce not only large components, but also very complex components. Subsequent work by EPRI and its partners has provided a technical and financial assessment for procurement and commercialization of an Advanced Technology for Large-Scale (ATLAS) powder metallurgy–hot isostatic pressing (PM-HIP) and a Center of Excellence (COE), both of which will be required to advance the production of large-scale components.

06. DESIRED PROPOSAL

The Port desires a proposal that provides the Port with the feasibility for commercializing, in the Tri-Cities Washington, large scale PM-HIP and EBW technology. While the Port has a vision for this RFP, the Port finds it of the utmost importance that proposer(s) provide what they themselves deem a workable, flexible, and successful plan in their own professional opinion. While the Port is primarily interested in a full-service proposal, proposers will be permitted to submit a proposal for all components below, select components below, or may even submit a proposal for a separate vision that the Port should review and consider.

Specific roles envisioned by the Port:

1. Project Manager for the PM-HIP/EBW feasibility project.
2. Lead Technical Representatives with Technical Expertise for the PM-HIP/EBW feasibility project.
3. Project Coordinator for the PM-HIP/EBW feasibility project with an active role supplementing the Project Manager and interfacing with the Technical Experts, while also representing local industry in the process.

Organizations are sought to provide the specific technical and business expertise necessary to complete target industry analyses. Qualified organizations will be established business entities currently involved in one or more of the following industries:

- nuclear power generation;
- advanced nuclear technology development/ deployment;
- powder metallurgy;
- hot isostatic pressing; and/or
- electron beam welding.

The project manager will work with the Port and its team of industry representatives, as discussed above, currently involved in one or more of the aforementioned industries.

Proposing organizations will identify lead technical representatives (LTR) to participate as members of the Port's project team. Qualified candidates for Project Manager will have successful experience leading technology-based companies and demonstrated expertise in analysis of business need and viability; business start-up and scale-up; finance and capital formation with a particular emphasis on the development,

commercialization and accelerated growth of multi-discipline engineered products. The LTR's will contribute technical expertise directly, as well as facilitate input from other sources within their organization. Familiarity with the Tri-Cities and Pacific Northwest is preferred, as is familiarity with the details of EPRI's research and development work.

Project tasks and schedule:

1. Project Initiation & Management – Assemble Team, Establish Goals/Objectives, Assign & Initiate Tasks. May 30, 2023
2. Assemble and Assess Existing Data – Contact & Engage Key Market Sector & Industry Entities, Quantify Market Demand and Industry Parameters, Assemble Data Set for Target Industry Analysis, Address Data Gaps & Uncertainties. June 3, 2023
3. Target Industry Analysis – Characterize Feasibility and Business Implementation Framework. June 30, 2023

Key areas of expertise that the Proposer should provide evidence of:

- Advanced nuclear reactor technologies, current and emerging large structural component supply chain needs, current and emerging manufacturing technologies
- Current and emerging large structural component supply chain needs across the broader energy sector, current and emerging manufacturing technologies
- Current PM-HIP Industry, current and emerging technology applications for manufacturing large structural components
- Current EBW Industry, current and emerging technology applications for large structural components

07. CONTRACT LENGTH

The Port desires a short-term contract, as all funds (\$200,000.00) from the related Grant are to be expended by June 30, 2023. At the Port's discretion, and subject to relevant statutes, rules, and regulations, terms may be renewed upon mutual written consent but may be with vastly different terms, conditions, and rate.

08. PROPOSAL SUBMITTAL REQUIREMENTS

To ensure that all information provided is properly evaluated, please organize and label proposals in the structure provided below. Submittals shall not exceed twenty (20) pages total including all required components; proposer(s) will not be graded upon the length of their proposal or effort to reach the 20-page maximum. Proposer(s) are encouraged to focus on quality and brevity in their proposal.

Proposals (submittals) shall include, at a minimum, the following:

- 1) **Transmittal Letter with Original Signature:** A cover letter generally outlining the proposer's ability to perform the services outlined in this RFP; signed by an authorized individual representing the Proposer's firm in contractual obligations.
- 2) **Proposed Rate:** Proposer shall provide their proposed cost structure.
- 3) **Proposed Scope of Work:** Proposer shall provide a more detailed overview of the method and strategy they intend to employ in fulfilling **Section 06. Desired Proposal**. Proposer shall also document how their commitment to the Project schedule and their plan to stick to that committed schedule.
- 4) **Licensing:** Provide a current business license or copy of a complete application to do business in Washington State and the City of Richland. If proposer will incorporate upon award of this RFP, please articulate the steps and schedule remaining to formalize business operations. A business license prior to contract execution is a requirement of the EMGG grant, which helps fund this project.
- 5) **Ability to Contract:** Proposer shall have the ability to negotiate a contract with the Port based on the exceptions/changes requested. Proposer may not be debarred, suspended or otherwise ineligible to contract with the Port. DUNS or Unique Entity IDs (UEI) are not necessary for this project.
- 6) **Experience:** Company identification and typical business statistics – years in operation, locations, business volume, number of employees, services provided, etc. List the Proposer's top three (3) business references for the type of work most relevant to the content of this RFP. Listing for each reference should provide the references business name or d.b.a., lead staff contact, staff contact phone, staff contact email, and a short description of the services rendered.
- 7) **CVs:** Company CV describing capabilities and performance relevant to Port's requirements, Lead Technical Representative full resume with emphasis on Port's requirements, Key supporting Technical Personnel bios with emphasis on Port's requirements, Proposed Project Manager full resume with emphasis on Port's requirements, and/or Proposed Project Coordinator full resume with emphasis on Port's requirements.
- 8) **Legal Action:** Disclose any current or recent (within past five years) legal action in progress or taken against the firm or individuals.
- 9) **Disclosure:** List all business transactions and relations within the past five years that may create or be perceived to create a conflict of interest. Any business dealings or recommendations of a product or firm that may conflict with this project shall be disclosed. **Disclosure of ANY work within the government is required.** Failure to do so is grounds for termination. The Proposer must identify any person employed in any capacity by the state of Washington that worked with the COMMERCE program executing this Grant, including but not limited to formulating or drafting the legislation, participating in procurement planning and execution, awarding Grants, and monitoring Grant, during the 24-month period preceding the start date of this Grant. Proposer must identify the individual by name, the agency previously or currently employed by, job title or position held, and separation date. If it is determined by the Port or the Department of Commerce that a conflict of interest exists, the Proposer shall be disqualified from further consideration.

09. EVALUATION CRITERIA

Criteria	Value
Transmittal Letter with Original Signature	5%
Proposed Rate	10%
Proposed Scope of Work	35%
Licensing (Does the business have applicable licenses?)	Y or N
Ability to Contract (Is the proposer and their business able to contract?)	Y or N
Experience	35%
CVs	15%
Legal Action (Does a legal action exist?)	Y or N
Disclosure (Does a conflict exist?)	Y or N

10. PROPOSAL EVALUATION

- 1) The Port may choose to invite one or more of the proposers to demonstrate their solutions or interview with the Port.
- 2) The Port reserves the right to award a contract with the single highest rated proposer without preceding interviews or demonstrations.
- 3) Ownership of Material - Ownership of all data, materials, and documentation originated and prepared for the Port pursuant to the RFP shall belong exclusively to the Port and be subject to public inspection after award by the Commission in accordance with the Washington State Public Records Act (RCW 42.56). Trade secrets or proprietary information submitted by the Respondent shall not be subject to public disclosure under the Public Records Act, unless otherwise required by law or a court. However, the Proposer must invoke the protection of the Public Records Act, in writing, either before or at the time the data or other material is submitted. The written notice must SPECIFICALLY identify the data or materials to be protected and state the reason why protection is necessary. The proprietary or trade secret material submitted must be identified by some distinct method such as highlighting or underlining and must indicate only the specific words, figures, or paragraphs that constitute trade secret or proprietary information. The classification of an entire proposal document, line-item prices, and/or total proposal prices as proprietary, or trade secrets, is NOT ACCEPTABLE and may result in REJECTION of the proposal.

The Proposer will be held to the same standards as the Port of Benton (the Grantee and Recipient of the EMGG Grant) and therefore must comply with the following:

ACCESS TO DATA

In compliance with RCW 39.26.180, the Grantee shall provide access to data generated under this Grant to COMMERCE, the Joint Legislative Audit and Review Committee, and the Office of the State Auditor at no

additional cost. This includes access to all information that supports the findings, conclusions, and recommendations of the Grantee's reports, including computer models and the methodology for those models.

CONFIDENTIALITY/SAFEGUARDING OF INFORMATION

- A.** "Confidential Information" as used in this section includes:
- i.** All material provided to the Grantee by COMMERCE that is designated as "confidential" by COMMERCE;
 - ii.** All material produced by the Grantee that is designated as "confidential" by COMMERCE; and
 - iii.** All Personal Information in the possession of the Grantee that may not be disclosed under state or federal law.
- B.** The Grantee shall comply with all state and federal laws related to the use, sharing, transfer, sale, or disclosure of Confidential Information. The Grantee shall use Confidential Information solely for the purposes of this Grant and shall not use, share, transfer, sell or disclose any Confidential Information to any third party except with the prior written consent of COMMERCE or as may be required by law. The Grantee shall take all necessary steps to assure that Confidential Information is safeguarded to prevent unauthorized use, sharing, transfer, sale or disclosure of Confidential Information or violation of any state or federal laws related thereto. Upon request, the Grantee shall provide COMMERCE with its policies and procedures on confidentiality. COMMERCE may require changes to such policies and procedures as they apply to this Grant whenever COMMERCE reasonably determines that changes are necessary to prevent unauthorized disclosures. The Grantee shall make the changes within the time period specified by COMMERCE. Upon request, the Grantee shall immediately return to COMMERCE any Confidential Information that COMMERCE reasonably determines has not been adequately protected by the Grantee against unauthorized disclosure.
- C.** Unauthorized Use or Disclosure. The Grantee shall notify COMMERCE within five (5) working days of any unauthorized use or disclosure of any confidential information, and shall take necessary steps to mitigate the harmful effects of such use or disclosure.
- 4) With regard to submittal of a proposal (individually and collectively referred to as "response"), the proposer agrees to and hereby waive any and all claims it has or may have against the port, and its director's, persons, officers, commissioner's, committee's, employees, or agents arising out of or in connection with (1) the administration, evaluation, or recommendation of any response; (2) any requirements under the solicitation, the RFP, or related documents; (3) the rejection of any response or any part of any response; (4) waiver by the port of any technicalities in the RFP package or any response; (5) waiver or change in any non-material provision of the RFP solicitation package or materials that do not adversely and specifically affect the previously submitted response; and/or (6) the award of a contract, if any.

- 5) The Port reserves the right to reject any or all responses, to waive any irregularities and/or technicalities in response received or not award. The Port, in its sole discretion, will determine whether any or all the responses are responsive and reserves the right to make a determination as to whether any one or more Proposals are qualified. The submission of a response to this RFP is an offer by the Proposer to contract only and does not constitute a contract. There will be no contractual obligations on the part of the Port to any Proposer, nor will any Proposer have any property interest or other right in the contract unless and until all terms of the contract have been agreed upon by the Port, including, without limitation, all provisions of the contract have been negotiated to the satisfaction of the Port; the contract is unconditionally signed by the Port and the selected Proposer the contract is delivered by all parties; and all conditions to be fulfilled by the Proposer prior to contracting have either been fulfilled by the Proposer or waived in the writing by the Port.

11. RFP QUESTIONS AND CLARIFICATIONS

Questions shall be submitted to the Port of Benton by email to: scollins@portofbenton.com, not later than the date and time referenced in the Schedule on the title page. Please reference the "PM-HIP/EBW feasibility project RFP" in the subject line when submitting questions via email.

Oral questions will not be answered. Questions must be in written form, by email. To the extent any oral questions are answered, those answers will be considered non-binding. An addendum to this RFP may be issued by the Port as a result of the questions generated under this competitive solicitation to all plan holders.

12. ADDENDA

If at any time, the Port changes, revises, deletes, clarifies, increases, or otherwise modifies the RFP, the Port will issue a written addendum to the RFP. Proposer must register for this RFP to be notified of addendum and new documents on this RFP. It is the Proposer's responsibility to check for addenda and other new documents online.

13. SUBMITTAL EFFECTIVE DATE

The submittals shall remain in effect for 180 days after the RFP due date, unless extended by mutual agreement between the Port and the applicable proposers.

14. DEBRIEF PROCEDURES

After award, submitters may contact the Port to request a phone or in person debrief conference.

15. INSURANCE REQUIREMENTS AND INDEMNIFICATION

Evidence of financial stability and credit worthiness; ability to meet port's insurance requirements is mandatory. Insurance and contract terms will be covered during contract negotiations.

16. TITLE VI (FEDERAL) NON-DISCRIMINATION

The Port of Benton assures that no person shall on the grounds of race, color, national origin, or sex as provided by Title VI of the Civil Rights Act of 1964, as amended, and the Civil Rights Restoration Act 1987 (P.L. 100.259), be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any Port sponsored program or activity. The Port of Benton further assures every effort will be made to ensure nondiscrimination in all of its programs and activities, whether those programs and activities are federally funded or not.

17. PORT NON-DISCRIMINATION

By signing and submitting a response to this RFP, the proposer (firm or individual) certifies that, in the event it is awarded a contract under this competitive solicitation (i.e., becomes the “successful proposer”), and as of the date of contract award, it shall comply with the “Anti-Discrimination Clause” provided below:

Non-discrimination. Port of Benton complies with applicable federal civil rights and Washington state civil rights laws and does not discriminate on the basis of race, color, national origin, religion, sex, families with children, marital status, honorably-discharged veteran or military status, sexual orientation, age, or the presence of any sensory, mental, or physical disability or the use of a trained dog guide or service animal by a person with a disability, in the administration of its programs and activities.

The Vendor shall comply with the substantive requirements of RCW 49.60, which are incorporated herein by this reference. Execution of this Agreement constitutes a certification by the Vendor of the Vendor's compliance with the requirements of Chapter RCW 49.60. If the Vendor is found to have violated this provision, or to have furnished false or misleading information in an investigation or proceeding conducted pursuant to this Agreement or Chapter RCW 49.60, this Agreement may be subject to a declaration of default and termination at the Port’s discretion. This provision shall not affect the Vendor's obligations under other federal, state, or local laws against discrimination.

18. OTHER PUBLIC AGENCY ORDERS

The Washington State Interlocal Cooperative Act, RCW 39.34, provides that other governmental agencies may purchase goods or services on this RFP or contract in accordance with the terms and prices indicated herein if all parties agree. The Port does not accept any responsibility or involvement in the purchase orders or contracts issued by other public agencies.