

FY13 Alternative Energy Initiatives BAA – NEXWC
Solicitation Number N39430-13-R-1267

Description:

This announcement constitutes a Broad Agency Announcement (BAA) for the Naval Facilities Engineering and Expeditionary Warfare Center (NEXWC) under FAR 6.102(d)(2) and 35.106. A formal Request for Proposals (RFP), other solicitation, or additional information regarding this announcement will not be issued.

FAR Part 35 restricts the use of BAAs such as this to the acquisition of basic and applied research, and that portion of advanced technology development not related to the development of a specific system or hardware procurement. Contracts made under BAAs are for scientific study and experimentation directed towards advancing the state of the art and increasing knowledge or understanding. This announcement is not for the acquisition of technical, engineering, or other types of support services.

NEXWC is soliciting abstracts for efforts related to either of the two (2) topic areas listed below.

Submission process: This announcement is for abstracts only, of approximately five (5) pages or fewer of technical material. Abstracts shall identify the specific topic area that the submission addresses. Each abstract must be specific to one of the topic areas. Abstracts will be evaluated on relevance and merit. The abstract may be supplemented by resumes and lists of relevant publications and prior contracts, which will not count against the five-page limit.

Subsequent to abstract review, the NAVFAC Technical Evaluation Board (TEB) may request a full proposal.

Submitters should follow the following format for abstract submissions:

1. Cover sheet identifying company, technical and contractual POC, Cage Code, topic submission, proprietary statement marking
2. Technical objective statement
3. Technology description and technical approach
4. Project schedule and milestones
5. Company's, principal investigators', and subcontractors' qualifications
6. Company's related work
7. Navy benefit impacts and implementation requirements
8. Supporting documentation and cost information sheets

Submission Information: Eligibility notification will be sent via email to all offerors who have submitted an abstract after the TEB has reviewed all abstracts submitted by the cut-off date.

Abstracts must be submitted by 15 July 2013. Abstracts received after this date will be considered non-responsive. For technical questions regarding this BAA, contact NEXWC Nick Olah at (805)982-1089 or via this e-mail address: nick.olah@navy.mil. Abstract submittals to

this BAA should be submitted on a single CD-ROM, in Microsoft word format (.doc), or Adobe format (.pdf) along with three (3) printed hard copies.

Packages shall be mailed via USPS, UPS, or Federal Express, to: NAVAL FACILITIES ENGINEERING AND EXPEDITIONARY WARFARE CENTER, CODE Business Office BD6, ATTN: N. J. Olah, BAA ENERGY INITIATIVES PROGRAM AREA, 1100 23RD AVENUE, PORT HUENEME, CA 93043

Offerors should indicate that their proposals are valid for 120 days.

Technical Evaluation: Unsuccessful abstracts will not receive a detailed description of the reasons for abstract rejection due to the anticipated volume of submissions. Unsuccessful full proposals will receive a debriefing in accordance with FAR 15. Awards will be in the form of contracts. Government/FFRDC/UARC entities interested in responding should read NOTE 6 below. The average size of awards ranges from \$100K to \$3M over an average contract duration of one (1) to three (3) years. It is the intent to fully fund selected proposals, and the period of performance will not exceed three (3) years.

The abstracts will be evaluated based on the following criteria of approximately equal weight:

1. TECHNICAL APPROACH: The scientific/technical merits and objectives in terms of meeting the stated need, as well as evidence that the science/technology is mature enough for a demonstration program, including any design or development work required prior to demonstration. All full proposals must demonstrate an approach that will achieve a DOD Technology Readiness Level (TRL) of 5/6, and that will successfully manage risk while achieving technological advance. Provide an explicit, detailed description of the approach. The abstract should indicate what tasks are planned, how and where the work will be conducted, a schedule of major events, and the final product(s) to be delivered. Offeror's effort should convincingly articulate the technical feasibility of the proposed concept. The methods planned to achieve each objective or task should be discussed in detail. This section should be a substantial portion of the abstract.

2. OFFEROR'S EXPERIENCE: This entails two specific items, which shall be clearly identified in the abstract:

A) The offeror's corporate experience and facilities, or a unique combination of these, that are integral factors in achieving the offerors 's proposed objectives. This equates to past performance, and will be assessed based on both relevance and confidence. See NFAS 15.304.

B) NEXWC also requires the offeror to provide their EMR and DART ratings. Safety is an integral and important aspect of all NAVFAC work. If the offeror does not have an EMR/DART rating, they should state this and provide the rationale. See NFAS 15.304.

3. PRINCIPAL INVESTIGATOR'S AND KEY MEMBERS' RELATED EXPERIENCE: The qualifications, capabilities, and experience of the principal investigator, team leader, and/or key personnel who are critical in achieving the objectives of the abstract. Principal investigator and key personnel should be clearly identified in the abstract as such. A short biography or abbreviated curriculum vitae may be appended to the abstract if desired.
4. COST/PRICE: The cost relative to the proposed scientific/technical approach. For the abstract phase, this information may be limited to a total cost estimate by federal fiscal year (October 1 – September 30). A full, detailed budget is not required in the abstract phase. Those who are invited to submit a full proposal will receive detailed pricing submission information.
5. NAVY BENEFITS AND IMPACT: Expected benefits in terms of energy reduction or savings in MBTUs and/or cost (simple payback and ROI), and life cycle cost advantages over current technologies.
6. IMPLEMENTATION REQUIREMENTS: Likely Navy user targeted by this effort and requirements for implementing the proposed products of this effort by the Navy.

All technology demonstrations or prototype field tests must be performed in Hawaii, Guam, or Washington State. However, design, laboratory, and administrative work may be done outside of these locations. The proposed technology shall address one of the following two technology areas.

- TOPIC 1: Alternative Energy Technology. Innovative alternative and renewable energy technologies are sought that can provide on-site energy generating capabilities to Navy facilities at or below the cost of conventional power.

A technology may be considered innovative if it:

- 1) significantly reduces the unit cost of energy acquisition, or
- 2) significantly increases the annual energy production per unit of area used, or
- 3) provides energy availability at times when other renewable energy sources would not normally be available.

Renewable energy includes, but is not limited to, marine and hydrokinetic renewable energy (such as energy from waves, tides and currents in oceans, estuaries, and tidal areas), offshore wind energy, waste-to-energy, and hybrid technologies.

- TOPIC 2: Energy Storage. Innovative energy storage technologies are sought to integrate renewable sources at Naval facilities. Energy storage will be evaluated in the context of an enabling technology that supports renewable energy systems or microgrid management

systems. A technology may be considered innovative if it significantly reduces capital investment, reduces weight, increases total storage capacity (kWh), or increases maximum energy discharge rate beyond what is commercially available.

NOTE: An eligible abstract does not guarantee a contract. NEXWC reserves the right to select for award any, all, or none of the proposals received. NEXWC also reserves the right to select for award a portion of the work proposed in any single proposal.

CRITICAL NOTE: AN OFFEROR IS REQUIRED TO REGISTER WITH THE SYSTEM FOR AWARD MANAGEMENT (SAM). NO CONTRACT AWARD WILL BE MADE TO ANY OFFEROR THAT IS NOT REGISTERED. SAM.GOV MAY BE REACHED AT [HTTPS://WWW.SAM.GOV](https://www.sam.gov). The registration process may take up to three weeks.

NOTES:

1. The preceding data should be sufficient for completing the abstract.
2. There are no solicitation documents applying to this BAA. Request for a solicitation package will not be acknowledged. Those interested in participating in the BAA program must follow the instructions described herein to submit an abstract.
3. There is no commitment by the Navy either to make any contract awards or to be responsible for any money expended by the offeror before a contract award.
4. Eligibility notification will be sent to all offerors who have submitted an abstract, after the TEB has reviewed all abstracts submitted by the cut-off date.
5. Correspondents are advised not to include Personally Identifiable Information (PII). Business proprietary or competition-sensitive information shall be marked as such. The offeror should expect to receive notification of receipt of the abstract by the Government within one week of submission. If the contractor does not receive a notification of abstract receipt, the contractor should call or e-mail NEXWC by using the phone number or e-mail address provided.
6. Historically Black Colleges/Universities and Minority Institutions (HBCU/MI) will be recognized according to DFARS 226.3. All responsible sources from academia and industry may submit proposals. No portion of this BAA will be set aside for HBCU and MI participation, due to the impracticality of reserving discrete or severable items of this research for exclusive competition among the entities. Non-DOD Federally Funded Research and Development Centers (FFRDCs) including Department of Energy National Laboratories, are not eligible to receive awards under this BAA. However, teaming arrangements between FFRDCs and eligible principal bidders are allowed so long as they are permitted under the sponsoring agreement between the Government and the specific FFRDC. DFARS 235.017-1 allows DOD FFRDCs which function primarily as research laboratories to apply. Naval laboratories and warfare centers as well as other DOD and civilian agency laboratories are not eligible to receive awards under this BAA and should not directly submit an abstract response to this BAA. As with the FFRDCs, these organizations may team with other responsible sources from industry and

academia that are submitting proposals under the BAA. University Affiliated Research Centers (UARC) are eligible to submit proposals under this BAA unless precluded from doing so by their DOD UARC contract or an organizational conflict of interest.

7. Do not call the Contracting Office for verification. The abstract is not received by the Contracting Office.