

Broad Agency Announcement for Innovative Technologies and Methodologies for Reducing Various Environmental Problems

General Information

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Notes:

- This is the first solicitation to FY13 BAA announcement. If an Offeror has submitted to previous AFCEC BAA solicitations and would like to be reconsidered under this announcement, the Offeror will need to re-submit a new or revised pre-proposal/white paper as stated below.
- Please review all past AFCECBAA-11-001 Complete Questions and Answers (attached) before submitting a question to the Contracting Officer (CO).

Synopsis/Announcement:

This solicitation constitutes a Broad Agency Announcement (BAA) for the Air Force Civil Engineer Center (AFCEC), Restoration Technical Support Branch (CZTE) under FAR 6.102(d)(2). This announcement seeks out proposals that demonstrate and validate innovative, sustainable, and cost-effective technologies and/or methodologies that will lead to accelerated closure of environmental sites across the Air Force and serve the Air Force's future environmental needs. Validated technologies and methodologies must comply with all applicable regulatory requirements, policies and guidance in the Environmental Restoration Program (ERP) and Military Munitions Response Program (MMRP). This solicitation is not to test theoretical concepts or technologies and methodologies that currently exist solely in a laboratory research and development (R&D) phase or that have already been tested and validated multiple times in the field (i.e., a service). The Restoration Program areas of need for this announcement are:

- a. **Perfluorinated Compounds (PFCs) Remediation Technologies:** To date the Air Force has experienced little to no success regarding low energy technologies (i.e., passive in situ) for the remediation of PFCs. Additionally, discussions with 3M and a review of Vecitis et al., 2009 indicate that simple oxidative and reductive approaches may not work with these recalcitrant compounds. Furthermore, proposers should be aware of ongoing studies funded through AFCEC BAA Program and DoD SERDP/ESTCP to avoid redundancy. In addition, the Air Force prefers in situ remediation technologies; however, PFC remediation challenges may dictate the use of ex situ technologies. For example, treatment trains as part of an existing pump and treatment system may be appropriate. Beware that the Air Force has a policy that prohibits the installation of a new pump and treat system without Headquarters level approval. Therefore, proposals should identify PFCs innovative treatment technologies but any technology or methodology should consider any relative successes or failures as highlighted by Vecitis et al., 2009, AFCEC BAA Program, and DoD SERDP/ESTCP.

Vecitis, C.D., H. Park, J. Cheng, B.T. Mader, and M.R. Hoffmann. 2009. Treatment technologies for aqueous perfluorooctanesulfonate (PFOS) and perfluorooctanoate (PFOA). *Front. Environ. Sci. Engin. China* 3(2):129-151.

- b. **1,4-Dioxane Remediation Technologies:** To date AFCEC BAA Program and DoD SERDP/ESTCP have funded many projects with particular focus on in situ treatment technologies for 1,4-dioxane groundwater remediation. Proposers should be aware of ongoing studies to avoid redundancy. The Air Force prefers in situ remediation technologies but recognizes the limitations of 1,4-dioxane remediation and will support the use of ex situ technologies. For example, treatment trains as part of an existing pump and treatment system may be appropriate. Additionally, the Air Force has a policy that prohibits the installation of a new pump and treat system without Headquarters level approval. Therefore, proposals should identify 1,4-dioxane innovative treatment technologies but any technology or methodology should consider any relative successes or failures as highlighted by AFCEC BAA Program and DoD SERDP/ESTCP.

Eligible Offeror/Applicants: This requirement is restricted to US - companies, academic institutions, non-profit institutions, and/or government agencies. Foreign participants and/or individuals may participate as subcontractors to the extent that such participants comply with any necessary Non-Disclosure Agreements, Security Regulations, Export Control Laws, and other governing statutes applicable under the circumstances.

Acquisition Overview: The AFCEC BAA is a two-step process that includes two phases of proposal submittals:

Phase I – submit a 2 page online form (white paper/pre-proposal) at <http://www.afcee.jackland.af.mil/contracting/baa>

Phase II – if invited, submit a full proposal that details the technology, the demonstration, and validation approach, and the costs for the proposed effort.

Relevant forms, samples and guides are found on FedBizOps and the AFCEC BAA Website. Evaluation criteria for Phase I are included in the proposal instruction document provided in this announcement. The anticipated award of AFCECBAA-13-001 is Fiscal Year 13, 3rd Quarter.

How to Apply: All Phase I white papers/pre-proposals must be submitted as an online form and can be accessed through AFCEC's website (<http://www.afcee.lackland.af.mil/contracting/baa>). Each electronic submission shall address only one area of need and shall be in accordance with this announcement. **PHASE I SUBMITTALS ARE DUE NO LATER THAN 4:00 PM CST, 11 JANUARY 2013.** Phase I submittals received after 11 January 2013 will be handled according to the rules under FAR52.215-1(c)(3).

Evaluation/Notification: Phase I white papers/pre-proposals are evaluated by the Air Force's Technical Evaluation Board (TEB) using the evaluation criteria included with the proposal instructions. It is critical that proposals convey the requested information accurately and concisely to facilitate their review. Offerors whose proposals are judged innovative and that meet Air Force needs (as indicated in the Phase I evaluation criteria) are notified electronically via email to submit a proposal to Phase II (request for proposal); those not selected are notified accordingly. Offerors invited to submit a Phase II proposal are sent to key personnel contact information listed in Phase I white paper/pre-proposal along with a Request for Proposal (RFP) Package, Phase II instructions, how and when Phase II proposals are to be submitted to the Air Force. To be eligible for an award, submission of Phase I is required.