

Environmental Security Technology Certification Program (ESTCP)

Environmental Technologies Solicitation

ENVIRONMENTAL RESTORATION

Proposals in this topic area should address the reduction of the Department's current liabilities and prevention of future liabilities through the demonstration of technologies or tools for the cost-effective management and remediation of chemical contaminants in soil, sediments, and ground and surface water. Areas of interest include:

Monitoring

Demonstrate technologies for the assessment or long-term monitoring of chemical contamination or biogeochemical indicators in soils, sediments, and water.

Reduction in Cost to Complete

Demonstrate innovative tools, methodologies or technologies that can reduce the Cost to Complete for contaminated groundwater or aquatic sediments by improving performance assessment or optimizing treatment.

Reduce Source Loading of Munitions Constituents

Demonstrate innovative tools, methodologies or technologies that can reduce source loading of munitions constituents during routine DoD operations and demilitarization activities. Proposers are encouraged to refer to the [Summary Report](#) from the July 2015 SERDP and ESTCP *Workshop on Research and Demonstration Needs for Management of Munitions Constituents*.

Stormwater Treatment

Demonstrate innovative tools, methodologies or technologies for management and treatment of stormwater runoff from DoD facilities. Consideration should be given to incorporation into existing Best Management Practices and to meeting National Pollution Discharge Elimination System (NPDES) permit requirements.

Wastewater Treatment

Demonstrate innovative, energy efficient, low maintenance systems for decentralized treatment or recycling of wastewater on fixed installations. Systems that are capable of operating in an energy neutral configuration, that produce power or materials that can easily be converted into power, and/or that are capable of generating water for potable or nonpotable re-use are of interest.

A recent area of interest is green and sustainable remediation related to Executive Order 13514, which sets sustainability and energy goals throughout the federal government. Specifically, DoD goals are focused on increased energy efficiency; measurement and reduction of greenhouse gas emissions from direct and indirect activities; conservation and protection of water resources through efficiency, reuse, and stormwater management; elimination of waste, increased recycling, and pollution prevention; and fostering markets for sustainable technologies and environmentally preferable materials, products, and services. When applicable, proposers should

consider how such issues may be addressed within the context of management and remediation of chemical contaminants in soil, sediments, and ground and surface water.

Point of Contact

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For pre-proposal submission due dates, instructions, and additional solicitation information, visit the ESTCP website at <https://www.serdp-estcp.org/Funding-Opportunities/ESTCP-Solicitations/Environmental-Technologies-Solicitation>.