

# Department of Defense Sustainable Product Demonstration and Implementation Program (Task N.0839)

## Statement of Need

The Department of Defense (DoD) is the largest buyer of goods and services in the Federal Government. The Office of the Assistant Secretary of Defense (Energy, Installations, & Environment) coordinates with Defense Logistics Agency (DLA) and other DoD stakeholders to identify areas where implementing sustainable products can potentially reduce DoD's use of toxic and hazardous materials, improve mission capability, and reduce cost over the lifecycle of the products. The performance of these sustainable alternatives must be proven to meet DoD specifications and operational requirements. The successful implementation of sustainable products will assist DoD in meeting its Strategic Sustainability Performance Plan (SSPP) goals, Federal Acquisition Regulations (FAR) requirements, and Presidential Memorandums and Executive Orders (EOs) that direct the Military Services to use sustainable products as alternatives at DoD Installations.

Improving sustainable procurement practices throughout the DoD facilities enhances mission readiness while protecting human health and the environment, and further incentivizes the sustainable economy. Greening the supply chain and increasing sustainable offerings is a high priority for DoD. This project will identify needs and opportunities within the Military Departments and DoD Components to further assess, demonstrate and implement sustainable product alternatives. The goal of this project is to increase Tri-Service procurement of sustainable alternative products, and raise awareness of DoD's Green Procurement Program and SSPP.

## Technical Approach

The NDCEE will conduct 3 regional sustainable product demonstrations, in the Hawaii/Pacific Northwest, Mid-Atlantic/Southeast, and Midwest/Central United States regions, to validate performance of the candidate products to military requirements. The sustainable product categories include, but are not limited to, the following areas: biobased/biopreferred, recycled content, energy efficient, water efficient, EPEAT registered, environmentally preferable, non-ozone depleting, and non-toxic or less-toxic alternatives. The project team will prepare a Product Demonstration Plan for each different product to be demonstrated prior to the site visits that is tailored to meet the installation needs, and that has been coordinated with and approved by the installation and TM.

The NDCEE will develop a Product Demonstration Report for each regional site visit documenting all activities, collected data and analysis of data, including cost and/or life cycle analysis for each site visit. The information will be disseminated to the DoD Environment, Safety and Occupational Health Network and Information Exchange (DENIX) for upload to the DoD Sustainable Products Center (SPC) Website (<http://www.denix.osd.mil/spc/>). The team will then develop a Gap Analysis Report that evaluates technology, policy, and information need areas found during the site visits, and incorporate results of the Product Demonstration Reports, for use in identifying trends and common gaps proper to all the sites.

### Government POC

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### Status

Ongoing

## Anticipated Results and Benefits

The successful implementation of sustainable products will assist DoD in meeting its SSPP goals, FAR requirements, Presidential Memorandums and EOs that direct the Military Departments to use sustainable products at DoD Installations. Before new sustainable alternative products are implemented, their performance must be proven to meet DoD specifications and operational requirements. The FY14 DoD SSPP references the DoD SPC as a resource to evaluate, demonstrate and provide awareness on sustainable alternatives to DoD Agencies. This task order will expand on the sustainable product demonstrations previously conducted under NDCEE Task No. 0791, DoD Sustainable Procurement Support for Military Installations, and expand the repository of sustainable product information maintained by the DoD SPC.

## Technology Transfer and Outreach

The NDCEE will coordinate demonstration findings with Federal Item Managers of demonstrated products to facilitate establishment of new, sustainable National Stock Numbers. The project team will identify other potential users and organizations that may be able to implement this technology, and provide a description to the Government as to the potential need for technology implementation.

The project team will conduct outreach visits, targeting three large regional installations or Joint Bases with multiple DoD tenants to maximize exposure of the sustainable product demonstration and implementation program. This task's outreach activities will increase awareness and educate the DoD community on sustainable procurement initiatives and sustainable product availability.

