

# Green Product Evaluation and Implementation Program (Task N.0556)

## Statement of Need

The Farm Security and Rural Investment Act (FSRIA) of 2002 established the BioPreferred Program that directs all military and civilian agencies to give preference to biobased products in the procurement process. FSRIA also directs the United States Department of Agriculture (USDA) to develop and implement a comprehensive program for designating biobased products. The Federal Acquisition Regulation (FAR) 52.223-2 contains new provisions that require Federal Agencies to implement procurement preference for biobased products designated by USDA as established in section 9002 of the 2002 Farm Bill. Multiple Executive Orders also support the use of domestically produced agricultural materials and the reduction of the Department of Defense's (DoD) dependency on products produced from foreign oil reserves. However, before these green and biobased products are utilized by federal agencies, their performance must be proven to meet government requirements.

Each federal agency is required to establish an affirmative procurement program for biobased products. A critical step in the DoD's implementation of the BioPreferred Program is the identification and evaluation of biobased products against existing government product requirements (e.g., military specifications, commercial item descriptions, and industry consensus standards such as the automotive standards). This Green Product Evaluation and Implementation Program (GPEIP) worked with existing stakeholders within the Defense Logistics Agency (DLA), DoD, and the Tri-Services to coordinate and avoid duplication of effort and expand the acceptance of green products within the federal government. The GPEIP supported the DoD and the DLA in the implementation of and compliance with the BioPreferred Program and supported awareness and participation in the DLA Green Procurement Programs.

## Technical Approach

The GPEIP supported the DLA in the identification and evaluation of potential green product alternatives to currently used baseline non-green products at several DoD demonstration sites. Product data was collected from biobased sorbent and penetrating lubricant manufacturers, and compared to government specifications and participating

installation requirements. Demonstration plans were developed and executed at several DoD installations and the Pentagon for biobased penetrating lubricants and sorbents. The NDCEE prepared demonstration reports for each product category, documenting all activities and collected and analyzed the data.

## Results and Benefits

As a result of the successful demonstration, new National Stock Numbers (NSNs) were requested from the participating demonstration sites and established by DLA for both biobased penetrating lubricants and biobased sorbents. The establishment of new NSNs for biobased penetrating lubricants and biobased sorbents will allow all DoD activities to procure these items.

## Technology Transfer and Outreach

The NDCEE developed a Green Product Demonstration Video which captured the demonstration activities at the participating installations and interviews with key DoD stakeholders. The video will be available through multiple DoD websites. The NDCEE will continue working with the DLA, DLA Aviation, USDA, and other government agencies to promote the implementation of green and biobased products that meet DoD performance requirements.

### Government POC

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### Status

Completed

