



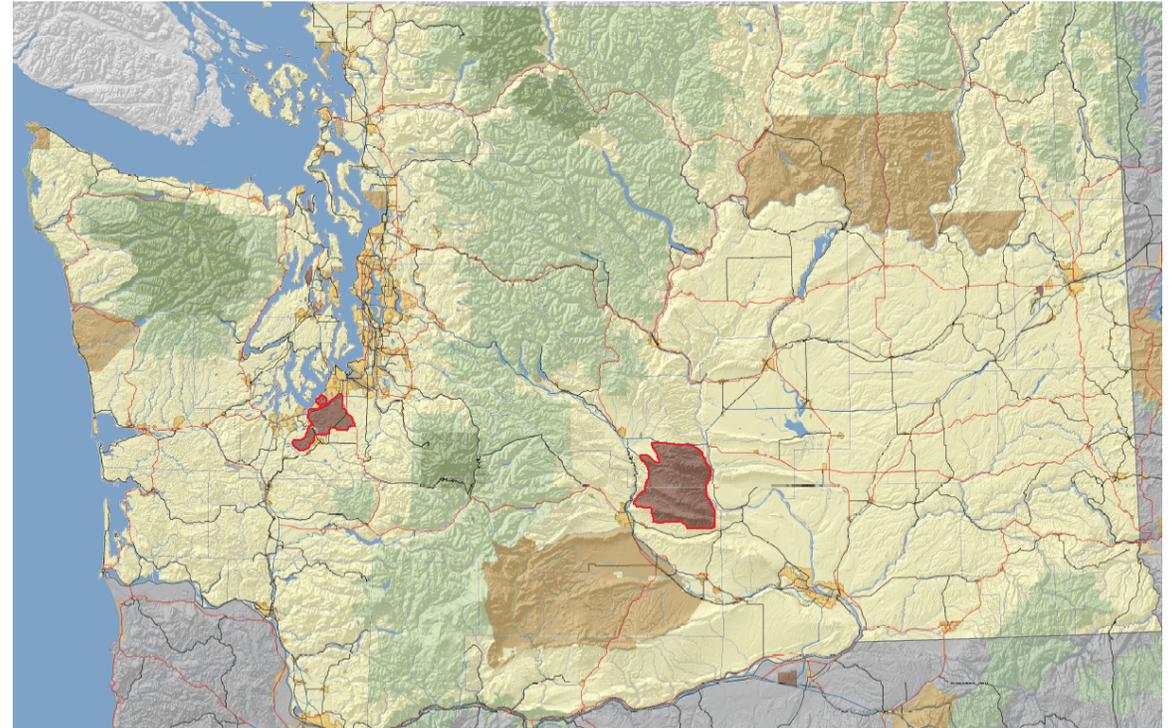
# Expos and Demos: Showcasing Sustainable Products on a DoD Facility

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# Joint Base Lewis-McChord, WA

- Over \$162 M in annual purchasing
- 55,000 Civilian and Military workforce
- Over 18 mi<sup>2</sup> of built environment
- 26M ft<sup>2</sup> of buildings
- Over 1M ft<sup>2</sup> of MILCON construction completed FY14-19





# Implementation

- Training, outreach, and communications
  - Testing and evaluation
  - Incorporation into standards and processes
  - Documentation and validation (forms/records)
  - Management review
- With support from DoD Sustainable Technology Evaluation and Demonstration (STED) Program



# Challenges at the Installation Level

- Managing the Daily Bustle
  - Scale and pace of procurement
  - Decentralized nature of purchasing
  - Contracting offices operate as tenants



# Challenges at the Installation Level

- Little influence on product chemistry and design
- Time required for product testing and evaluation
  - Establish baseline
  - Determine requirements and restrictions
  - Perform market research
  - Write demonstration plan
  - Testing
  - Evaluation



# DoD Support for Installation Programs

- Critical to overcoming the scale vs staffing disparity
- Leverage DoD purchasing power to ensure suitable products are available
  - **Product Expos** to raise awareness
  - **Product demonstrations** to test, evaluate, and improve products



# Product Expos

- Local event advertised to the installation community
- Manufacturers exhibit sustainable products
- Paired with training sessions
- Benefits
  - Targeted event
  - Allows operations, procurement, and specification personnel direct access to manufacturers and vendors
  - Facilitates in-depth Q&A to better determine feasibility
  - Can dispel preconceptions regarding 'green' products



# Product Demonstrations – STED Support

- Staff visits
  - Collect data and document requirements
  - Interface with participants
- Market research and manufacturer enlistment
- Demonstration Plan
- Provision of items for testing
- Review, evaluation and dissemination of findings



# Benefits to the Installation Program

- Increases number of product demos
- Provides informational resource (Sustainable Products Center)
- Offers mechanism for identifying and obtaining suitable test materials
- Evaluates product performance in operational environments (can also facilitate reformulation)
- Improves planning

**DENIX**  
DoD ENVIRONMENT, SAFETY AND OCCUPATIONAL  
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**DoD Sustainable Products Center** Menu

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### Welcome to the Department of Defense Sustainable Products Center

DoD's Sustainable Products Center (SPC) is an independent virtual center or focal point that integrates information on sustainable products and serves as DoD's informational repository for these products and their respective performances to include demonstrations of alternative green sustainable products and services conducted at DoD installations.

- The SPC Team conducts outreach activities to include site visits to various military installations in order to collect information on areas of need for sustainable alternatives.
- The Team identifies and evaluates Sustainable Alternatives against existing Military Specifications or Government requirements, and then selects the viable candidates for Pilot demonstrations at DoD installations in which the proposed sustainable alternatives will be evaluated side by side with the currently used non-sustainable ones.
- The SPC Website hosts demonstration results, success stories, technical data and lessons learned.

The SPC also serves as a forum for DoD personnel to submit questions regarding sustainable procurement and to share success stories. The intent of these actions is to improve compliance with FAR and DoD policies while increasing sustainable offerings and enhancing mission readiness.

[Sustainability Expos](#)

[GreenCircle Certified Multi-Attribute Pilot Program](#)

[The Sustainable Products Center \(SPC\) Video](#)

[Biobased Sorbents Demonstration](#)

[Biobased Hydraulic Fluid Demonstration](#)

### Request Information

If you have any questions or comments regarding sustainable products or the SPC, please contact us.

Please provide us with your name, title, installation, and the urgency of your question and the SPC will respond to you as quickly as possible.

[Contact Us](#)

### Latest News

[A Profile In Biobased Success: Going Green is Not Going Soft: Soy Biobased Penetrating Lubricants & Spill Sorbents Succeed in DLA Demonstrations](#)

### Featured Demonstration

[Biobased Penetrating Lubricant Demonstration](#)



# Example 1: Biobased Traffic Paint

- Compatible with existing equipment
- Fed Standard TT-P-1952
- Enhancements to Mission Effectiveness
  - Soil repellency and color retention
  - Lower VOC and toxicity
  - Easier to apply, doesn't require as much mixing



## Example 2: Biobased Grease

- Tested in existing golf course turf care equipment
- Performance on par with baseline products
- Enhancements to Mission Effectiveness
  - More Biodegradable
  - Reduced petroleum consumption



# Example 3: Compostable Food Ware

- Mixed performance reviews, but generally positive performance
- Differing ability to compost in our process
- Difficulty in keeping collection stream separate
- Now looking at reusable takeout products



# Example 4: LED ChemLight Alternative

- Tested in Army and Air Force field operations
- Enhancements to Mission Effectiveness
  - Superior performance and life cycle cost savings
  - Reduced waste
  - Simplified logistics
  - Benefits to warfighter safety



# Questions?

