



National Defense Center for Energy and Environment



DoD Executive Agent

Office of the
Assistant Secretary
of the Army
(Installations and
Environment)



The Fully-Burdened Cost of Waste in Contingency Operations



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Technology Transition – Supporting DoD Readiness, Sustainability, and the Warfighter

Report Documentation Page

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Background

- 2010 National Defense Authorization Act
- Health effects of open-air burning on military personnel
- Tool to select “best” technology for waste management



Project Goals



- Better manage solid, hazardous, and medical waste overseas
 - Create method to calculate the fully burdened cost
 - Draw on fuel and water fully burdened cost project methods



Pilot Objectives

- Build on lessons learned from Iraq and Afghanistan
- Develop method to calculate fully burdened cost
- Ensure easy transfer to potential users and stakeholders
- Demonstrate methods with unclassified data and scenarios



Recommendations

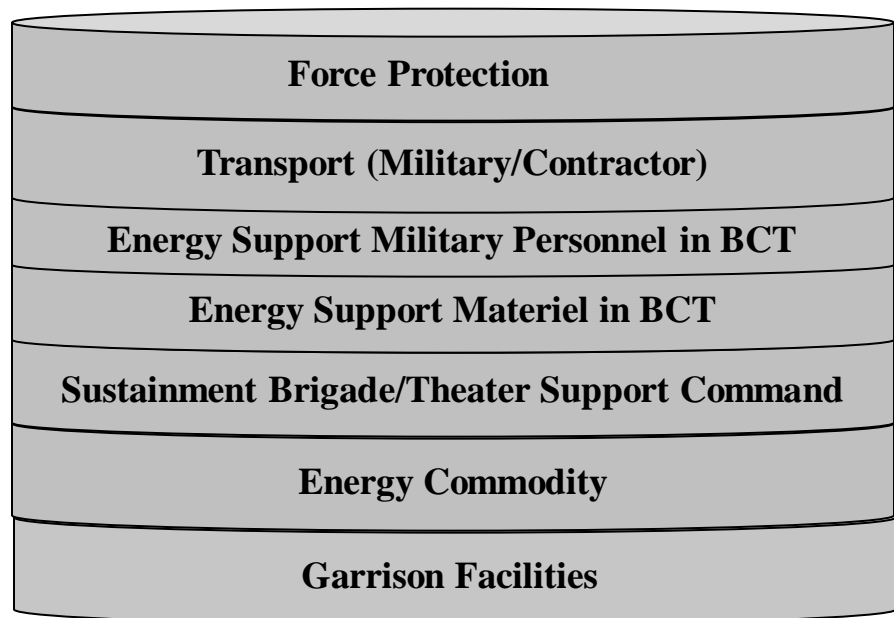


- Validate method with additional data
- Host roundtable with DoD personnel
 - Share information
 - Choose consistent cost metrics
 - Consider other management tools to increase efficiency
 - Examine implications of combining existing tools/approaches

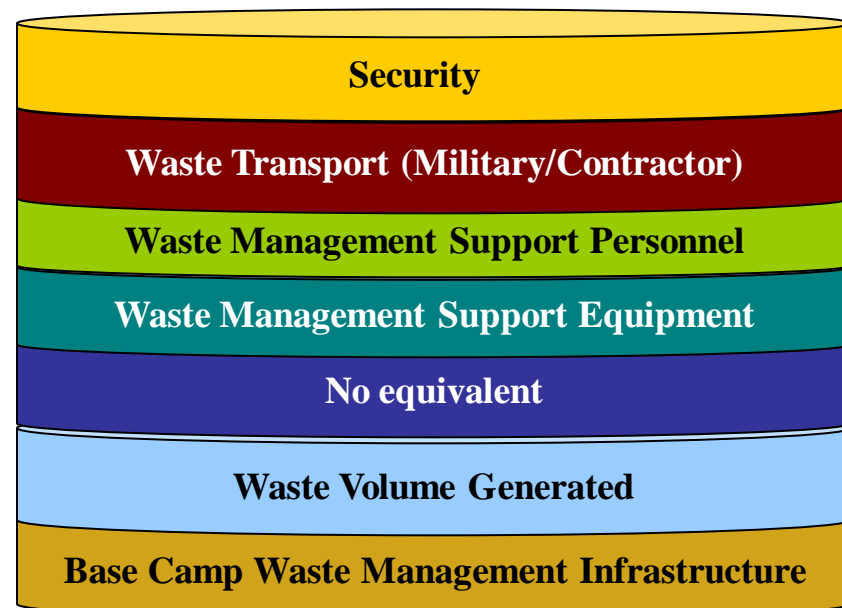


Methodology Comparison: Fully Burdened Costs of Fuel and Waste

Sustain the Mission Project Methodology: Fully Burdened Cost of Fuel Resource Components



DRAFT Fully Burdened Cost of Waste Management Resource Components (at a Mature Base Camp)





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