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2005-11-18

**Effects of Contract Delivery Method on the  
LEED™ Score of U.S. Navy Military  
Construction Projects (Fiscal Years 2004-2006)**

Carpenter, Deanna Shane

Monterey, California. Naval Postgraduate School

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<http://hdl.handle.net/10945/44431>

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Team Members,

You will be receiving a request for FY04-FY06 MCON project data by August 8, 2005, to support the NAVFAC Sustainable Development Program, the Department of Navy (DON) Annual Energy Management Report and the DON Annual Implementation Plan. The data that will be reported this year (and from now on) will be more inclusive than in years' past. To clearly demonstrate the benefits of sustainable development to the Department of Defense, CNI, the comptrollers and other senior Navy personnel, we need to consistently report the results of the NAVFAC Sustainable Development Program. Program metrics are used to measure and evaluate progress, demonstrate value added of the program investment and guide initiatives to improve the program. To address the need for more consistent and result-focused data, the following program metrics were developed:

1. Level of Sustainable Development. Sustainable in project, Self LEED Certified, USGBC LEED Certified, USGBC LEED Silver, USGBC LEED Gold and USGBC LEED Platinum.
2. Energy Savings (kWh/yr)
3. Energy Cost Savings (\$000/yr)
4. ASHRAE Reduction (%)
5. Water Savings (gal/yr)
6. Water Cost Savings (\$000/yr)
7. Water Savings (%)
8. Additional Construction and Design Costs for Sustainable Development

LT Deanna Carpenter, CEC, USN, a graduate student at Oregon State University will be assisting us as part of her graduate research project. Her tasks include:

1. Develop data template.
2. Research/collect NAVFAC sustainable program metrics data.
3. Analyze and summarize NAVFAC sustainable program metrics data and prepare summary report.
4. Recommend a protocol for collecting and reporting of data for sustainable program metrics for NAVFAC projects.

In addition, we want to collect LEED Project Checklists for those projects that completed the Checklist and obtain a copy of the project specifications for any projects that integrated sustainable strategies and features.

Deanna will be initiating this effort by email by August 8, 2005.

Thanks, Dennis

Dennis O. Talton, R.A.  
LEED Accredited Professional

Special Assistant for Architecture and Accessibility  
Sustainable Development Program Manager

Naval Facilities Engineering Command  
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