

THE NAVY'S ENERGY & ENVIRONMENTAL MAGAZINE

Currents

spring 2011

Spotlight on the WORLD WILDLIFE FUND

Bill Eichbaum, Vice President of Arctic and Marine Policy, Talks About the Challenges Facing the Arctic & Other Ecologically Significant Places

Assessing the Extent of Plastic Debris in the Ocean
NASA & the Navy Developing the Fuel of the Future
NAVFAC Headquarters Announces 2010 Drum-E Award Winners



Developments of Interest: October 2010 through January 2011

THIS ARTICLE HIGHLIGHTS significant environmental regulatory changes and indicators suggesting future changes to the regulatory landscape.

Revolutionary changes in management of energy and environment in federal buildings and facilities are expected to happen in the near future. The Energy Independence and Security Act of 2007, the Federal Buildings Personnel Training Act of 2010, the Telework Enhancement Act of 2010, and the FY 2011 National Defense Authorization Act requirements include, but are not limited to the following:

Newly constructed or renovated facilities must meet the following requirements:

- New facilities must achieve stepwise reductions beginning in 2011 in the amount of fossil energy used by each new or renovated building, with the ultimate goal of zero fossil energy use by 2030.
- The use of solar hot water in these facilities must meet at least 30 percent of the hot water demand.
- These facilities must minimize indoor air pollutants from construction materials.
- Facility managers must commission building Heating, Ventilation and Air Conditioning systems that attend to efficient maintenance and operation



Solar hot water panel.

- Department of Defense (DoD) facility repairs and renovations, and new construction must consider and use renewable energy and energy efficient products including items such as “hybrid vehicle plug-in charging stations.”

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in federal buildings and facilities are expected to happen in the near future.

All existing facilities must meet the following requirements:

- All existing facilities must be metered (for electricity by October 2012, and natural gas and steam by October 2016).
- Energy managers must be assigned.
- Energy managers must demonstrate core competencies by registration or certification (details to be outlined by the General Services Administration by July 2012).

All agencies must meet the following requirements:

- Establish a policy on Telework, and determine the eligibility for each agency employee to participate in telework (by July 2011).
- DoD will annually update the DoD Energy Performance Master Plan and coordinate it with annual budget submissions.

Meeting the zero fossil energy use goal will almost certainly stimulate significant changes in building design

and operation in addition to the use of renewable energy. These goals will likely be supplemented in years to come by even more ambitious energy conservation goals so that many buildings become not only fossil fuel neutral but net energy neutral.

Additional regulatory and environmental news items of interest (October 2010 through January 2011) include the following:

EPA Comments to Final Environmental Impact Statement and Draft Supplemental Environmental Impact Statement of F-35 Fighter East Coast Basing; Marine Corps Air Stations & Eglin Air Force Base (30 November 2010)
<http://yosemite.epa.gov/oeca/webeis.nsf/viEIS04LA?OpenView>

Final Council on Environmental Quality (CEQ) Guidance for Establishing, Applying, and Revising NEPA Categorical Exclusions (06 December 2010)
<http://edocket.access.gpo.gov/2010/pdf/2010-30017.pdf>

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Air

National Emission Standards for Hazardous Air Pollutants Emissions; Hard Decorative Chromium Electroplating & Chromium Anodizing Tanks (21 October 2010)
<http://edocket.access.gpo.gov/2010/pdf/2010-23839.pdf>

Protection of Stratospheric Ozone: Amendments to the Section 608 Leak Repair Requirements (15 December 2010)
<http://edocket.access.gpo.gov/2010/pdf/2010-31337.pdf>

Drinking Water

Reduction of Lead in Drinking Water Act—Defines Lead Free Fittings and Fixtures (04 January 2011)
<http://www.gpo.gov/fdsys/pkg/BILLS-111s3874enr/pdf/BILLS-111s3874enr.pdf>

Chromium-6 Reported at Potential Levels of Concern Reported Widely Present in Drinking Water—Press Release from Non-governmental Organization Environmental Working Group (23 December 2010)
<http://static.ewg.org/reports/2010/chrome6/html/home.html>

National Environmental Policy Act (NEPA)

U.S. Environmental Protection Agency (EPA) Comments to United States Marine Corps F-35B West Coast Basing Environmental Impact Statement (22 November 2010)
[http://yosemite.epa.gov/oeca/webeis.nsf/\(PDFView\)/20100417/\\$file/20100417.PDF?OpenElement](http://yosemite.epa.gov/oeca/webeis.nsf/(PDFView)/20100417/$file/20100417.PDF?OpenElement)

Occupational Safety and Health Act (OSHA)

Occupational Exposure to Carbon Nanotubes and Nanofibers—Recommendations for Safe Handling (30 November 2010)
<http://www.cdc.gov/niosh/docket/review/docket161A/default.html>

OSHA Administrative or Engineering Controls of Occupational Noise—"Feasibility" Not to be Based on Cost (19 October 2010)
<http://edocket.access.gpo.gov/2010/pdf/2010-26135.pdf>

OSHA Cranes and Derricks in Construction Standard—Recordkeeping Requirements (08 November 2010)
<http://edocket.access.gpo.gov/2010/pdf/2010-27947.pdf>

Greenhouse Gasses, Climate Change & Energy

Fossil Fuel-Generated Energy Consumption Reduction for New Federal Buildings and Major Renovations (15 October 2010)
<http://edocket.access.gpo.gov/2010/pdf/2010-25852.pdf>

Department of Energy Draft Guidance on Management of Energy and Water Efficiency in Federal Buildings (15 December 2010)
<http://edocket.access.gpo.gov/2010/pdf/2010-31467.pdf>

Federal Buildings Personnel Training Act of 2010 (14 December 2010)
<http://www.gpo.gov/fdsys/pkg/BILLS-111s3250enr/pdf/BILLS-111s3250enr.pdf>

Fiscal Year 2011 Defense Authorization Act (07 January 2011) (Contains various environmental and energy provisions)

<http://www.gpo.gov/fdsys/pkg/BILLS-111hr6523enr/pdf/BILLS-111hr6523enr.pdf>

Ocean Acidification—Guidance to States on Listing Impaired Waters (15 November 2010)

http://water.epa.gov/lawsregs/lawsguidance/cwa/tmdl/oa_memo_nov2010.cfm

EPA Mandatory Greenhouse Gas Reporting—Date Deferral for Emission Equation Input Data Elements (27 December 2010)

<http://edocket.access.gpo.gov/2010/pdf/2010-32450.pdf>

CEQ Recommended Actions in Support of a National Climate Change Adaptation Strategy (14 October 2010)

<http://www.whitehouse.gov/administration/eop/ceq/initiatives/adaptation>

Procurement

Final (Round 6) Designation of Biobased Items for Federal Procurement (18 October 2010)

<http://edocket.access.gpo.gov/2010/pdf/2010-26122.pdf>

Designation of Proposed (Round 7) Biobased Items for Federal Procurement (23 November 2010)

<http://edocket.access.gpo.gov/2010/pdf/2010-29191.pdf>

EPA Green Purchasing Guides Available (16 December 2010)

<http://www.epa.gov/epp/pubs/greenguides.htm>

Direct Final Rule Staying Numeric Stormwater Turbidity Limitation for the Construction and Development Point Source Category (05 November 2010)

<http://edocket.access.gpo.gov/2010/pdf/2010-28033.pdf>

Other

Spill Prevention Control and Countermeasures Plans Final Rule; Compliance Date Postponed to 10 November 2011 (14 October 2010)

<http://edocket.access.gpo.gov/2010/pdf/2010-25899.pdf>

Compatibility of Underground Storage Tank Systems With Biofuel Blends (17 November 2010)

<http://edocket.access.gpo.gov/2010/pdf/2010-28968.pdf>

Telework Enhancement Act of 2010 (09 December 2010)

<http://www.gpo.gov/fdsys/pkg/BILLS-111hr1722enr/pdf/BILLS-111hr1722enr.pdf>

Economic Case Against Disposing U.S. Naval Vessels at Sea (report from nonprofit Basel Action Network) (13 December 2010)

http://www.ban.org/ban_news/2010/101213_huge_bill_and_lost_jobs.html

Next Generation Risk Assessment Public Dialogue (30 December 2010)

<http://edocket.access.gpo.gov/2010/pdf/2010-32977.pdf>

Web-Distributed Labeling for Pesticides—Request for Comments (29 December 2010)

<http://edocket.access.gpo.gov/2010/pdf/2010-32036.pdf>

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Water & Stormwater

Federal Facility Responsibility to Contribute to Payment for State or Local Stormwater Programs (Public Law) (04 January 2011)

<http://www.gpo.gov/fdsys/pkg/BILLS-111s3481enr/pdf/BILLS-111s3481enr.pdf>

Total Maximum Daily Load for the Chesapeake Bay (05 January 2011)

<http://edocket.access.gpo.gov/2011/pdf/2010-33280.pdf>

The Naval Facilities Engineering Service Center provides a free Weekly Federal Regulatory Summary that DoD personnel or contractors supporting DoD may receive by e-mail. To subscribe or unsubscribe, contact NFESRegulatorySupportDesk@navy.mil or 805-982-2640. 

CONTACT

Paul McDaniel
 Naval Facilities Engineering Service Center
 805-982-2640
 DSN: 551-2640
paul.mcdaniel@navy.mil