

9-18-07

# Interagency Sustainability Working Group's Bi-Annual Newsletter

## Highlights:

- **ISWG Receives White House Closing the Circle Award**
- **New Report Tracks Progress for Incorporating Green Practices**
- **Update on LEED® Certifications and ENERGY STAR® Ratings for Federal Facilities**

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## ISWG Accomplishments

**ISWG Receives White House Closing the Circle Award** During a June 12, 2007 ceremony, the Department of Energy received a *White House Closing the Circle Award* for the agency's efforts to advance sustainable design in Federal facilities. The Department's Federal Energy Management Program (FEMP) was presented the special "Sowing the Seeds" award for its leadership in coordinating the Interagency Sustainable Working Group (ISWG) efforts to achieve a voluntary commitment among Federal agencies to adopt high performance, sustainable design building practices. The award was accepted by Current ISWG Chair, Mathew Gray from FEMP and past ISWG Chairs Anne Crawley and Beverly Dyer.

**FEMP Updates Sustainable Design and Operations Website** In April 2007, FEMP's Sustainable Design and Operations website was updated to include information on *Executive Order 13423 – Strengthening Federal Environmental, Energy, and Transportation Manage-*

*ment*, recent sustainable building design case studies, an updated list of Federal and non-Federal resources, and a modified ISWG webpage. The site has four new features: a link to ISWG's bi-annual newsletter, an updated list of past ISWG bi-monthly meeting presentations, a link to the U.S. Green Building Council's list of Federal Leadership in Energy and Environmental Design (LEED) Accredited Professionals, and an updated password-protected site with links to ISWG meeting reports, subgroup working documents, and references such as Federal Leadership in High Performance and Sustainable Buildings Agency Implementation Plans. To visit the site, go to: [www1.eere.energy.gov/femp/sustainable/sustainable\\_workinggroup.html](http://www1.eere.energy.gov/femp/sustainable/sustainable_workinggroup.html)

**ISWG Revises Technical Guidance Document in Response to New Executive Order** The implementation guidance for Executive Order 13423 assigned ISWG the responsibility of developing and updating the *Executive Order 13423 Technical Guidance for Im-*

*plementing the Five Guiding Principles for Federal Leadership in High Performance and Sustainable Buildings* to help agencies meet the executive order's goals and statutory requirements. In January 2006, ISWG formed a Technical Guidance Task Group to develop a technical guidance document to accompany the Federal Leadership in High Performance and Sustainable Buildings Memorandum of Understanding; the document was finalized in June 2006. In March 2007, the task group reconvened to update the technical guidance document, which can be viewed at: [www.wbdg.org/sustainableEO/](http://www.wbdg.org/sustainableEO/).



Matthew Gray, Current ISWG Chair, and former ISWG Chairs Anne Crawley and Beverly Dyer Receive White House Closing the Circle Award from OFEE

## Overview of Federal Sustainable Design Successes

**American Institute of Architects (AIA) Recognizes Green Projects** On May 3, 2007, AIA's Committee on Environment awarded ten projects encompassing sustainable

architecture and green design solutions during the association's annual conference in San Antonio, Texas. The projects were recognized for providing an

integrated approach to architecture, natural systems, and technology; for positive contributions to their communities, improving (Continued on pg. 2)

The Closing the Circle award recognizes outstanding achievements of Federal employees and their facilities for promoting environmental stewardship, focusing on waste prevention, recycling, green purchasing, environmental management, green/sustainable buildings, reduced fuel usage, and electronics stewardship. This year, the Department of Defense received six awards, Department of Energy received three, the U.S. Postal Service received two, and the Environmental Protection Agency, Department of Commerce, and Department of Veterans Affairs received one award each. The award ceremony was held at the Eisenhower Executive Office Building in Washington D.C. and showcased a total of 17 winners and 13 honorable mentions. The awards are presented each year by the Office of the Federal Environmental Executive on behalf of the White House. For more information on the event, visit: [www.ofee.gov/whats/07CTC\\_winners.htm](http://www.ofee.gov/whats/07CTC_winners.htm).

Risk Management Series

## Design Guide

for Improving Hospital Safety in Earthquakes, Floods, and High Winds

FEMA 577 / June 2007

## Overview of Federal Sustainable Design Successes

(Continued from pg. 1) building occupants' comfort, and reducing environmental impacts. The General Services Administration's Wayne L. Morse U.S. Courthouse building in Eugene, Oregon was one of the award recipients. For the complete list of awardees, log onto the AIA website at: [www.aia.org/release\\_042307\\_COTE](http://www.aia.org/release_042307_COTE).

**GSA's 2007 Design Excellence Awards** On March 29, GSA presented awards for 18 agency building projects in the following

## Showcase of Federal Resources

**General Services Administration Releases FY 2006 Federal Real Property Report** Completed in July 2007, the report provides a summary of the Federal Government's inventory of owned and leased real property from September 30, 2006 and onwards. Refer to the press release at: [www.gsa.gov/Portal/gsa/ep/contentView.do?contentType=GSA\\_BASIC&contentId=23325](http://www.gsa.gov/Portal/gsa/ep/contentView.do?contentType=GSA_BASIC&contentId=23325).

**Department of Energy's Building America Program Publishes the High-Performance Home Technologies: Solar Thermal & Photovoltaic Systems Guidebook.** The guidebook explains current photovoltaic and solar thermal building practices and provides useful tips for builders and homebuyers. Download a copy of the guide at: [http://www.eere.energy.gov/buildings/building\\_america/pdfs/41085.pdf](http://www.eere.energy.gov/buildings/building_america/pdfs/41085.pdf)

**DOE Updates EnergyPlus Software** Version 2.0 of the software, which was released on April 12,

categories: Architecture - Completed Projects; Architecture - On the Boards; Lease Construction; Modernization; Preservation; Conservation; Interior Design/Workplace Environment; Engineering and Technology; Sustainability Adaptive Reuse; Sustainability Workplace Environment; Graphics; and Construction Excellence. View the complete list of the awardees at: [www.gsa.gov/Portal/gsa/ep/contentView.do?contentType=GSA\\_BASIC&contentId=22831](http://www.gsa.gov/Portal/gsa/ep/contentView.do?contentType=GSA_BASIC&contentId=22831)

**DOE and EPA Honor ENERGY STAR® Partners** On March 21,

2007, DOE and EPA held its annual ENERGY STAR® awards ceremony in Washington, D.C. Eighty-five awards were presented in ten categories, including: Sustained Excellence, Partner of the Year - New Homes, Partner of the Year - Energy Management, Partner of the Year - Service and Product Provider, Partner of the Year - Retailer, Partner of the Year - Product Manufacturer, Partner of the Year - Energy Efficiency Program Delivery, Excellence in ENERGY STAR® Promotion, Excellence in Energy-Efficient Affordable Housing, and ENERGY STAR® Excellence in Home Improvement. For the

simulates the performance of a building by analyzing energy and thermal comfort effects at time intervals of less than an hour. To install the EnergyPlus software visit: [www.eere.energy.gov/buildings/energyplus/cfm/reg\\_form.cfm](http://www.eere.energy.gov/buildings/energyplus/cfm/reg_form.cfm).

**Federal Emergency Management Agency Publishes Design Guide for Improving Hospital Safety in Earthquakes, Floods, and High Winds** Produced in June 2007, the guide addresses hospitals risks as a result of earthquakes, flooding, and high-winds. The guide also outlines strategies hospitals can adopt to minimize the impact of these risks to hospital operations. For more information, visit: [www.wbdg.org/ccb/FEMA/fema577.pdf](http://www.wbdg.org/ccb/FEMA/fema577.pdf).

**Comments Solicited for a New Section on the Federal Green Construction Guide for Specifics** EPA, OFEE, and the WBDG are soliciting comments by September 17, for a new section of the Guide, entitled, *Continual Improvement of Environmental Quality* in the guide. This section

covers Federal directives for environmental management systems. View the guide at: [www.wbdg.org/design/greenspec.php](http://www.wbdg.org/design/greenspec.php).

**Department of Veterans Affairs Publishes Design and Construction Procedures Report** The August 2007 report includes 17 sections, including a section on energy efficient and sustainable design policy for the Department of Veterans Affairs new construction projects and sustainable buildings policy for new and renovated VA building projects. View the report at: [www.va.gov/facmgt/standard/proc\\_idx.asp](http://www.va.gov/facmgt/standard/proc_idx.asp).

**Environmental Protection Agency Produces New Water Quality Trading Guide** The August 2007 Guide, provides strategies for designing and implementing voluntary water trading programs in compliance with the Environmental Protection Agency's 2003 National Water Trading Policy. View the August 7 press release at: <http://yosemite.epa.gov/opa/admpress.nsf/Press%20Releases%20-%20Water!OpenView>.

## Summary of Non-Federal Resources

ASTM Publishes 3rd Edition of *ASTM International Standards for Sustainability in Buildings on CD-ROM* The August 2007 CD-ROM includes 143 ASTM standards covering sustainable design, construction and operation of building products. View a description of the CD-ROM at: <http://69.7.224.88/viewnews.aspx?newsID=1082>.

U.S. House of Representatives' Chief Administrative Officer Submits *Green the Capitol Initiative Report to House Leadership* The June 2007 report "recommends that the House adopt three goals for future operations: 1) operate the House in a carbon-neutral manner by the end of the 110<sup>th</sup> Congress, 2) reduce the carbon footprint of the House by cutting the energy consumption by 50 percent in 10 years, and 3) make the House operations a model of sustainability. Obtain the report at: <http://cao.house.gov/greencapitol/green-the-capitol-final-report.pdf>.

U.S. Green Building Council Research Committee Prepares a report, *Green Building Research Funding: An Assessment of Current Activity in the United States* According to the April 2007 report, approximately \$193 million per year in Federal funds has been allocated to high-performance green building practices and technologies; this is based on averages from 2002 - 2005. The report recommends an increase of 10 percent of the annual construction value. To

view the report, visit: [www.usgbc.org/ShowFile.aspx?DocumentID=2465](http://www.usgbc.org/ShowFile.aspx?DocumentID=2465).

American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) Develops Standard 90.2-2007, *Energy-Efficient Design of Low-Rise Residential Buildings* Published in June 2007, the standard covers the minimum requirements for the energy-efficient design of residential buildings. Read a summary of the standard on the ASHRAE website at: [www.ashrae.org/pressroom/detail/16337](http://www.ashrae.org/pressroom/detail/16337).

Authors Lisa Fay Mathiessen and Peter Morris Publish New Report, *2007 Cost of Green Revisited* The July 2007 study states that there is no substantial difference in the average cost of building a green facility compared to a non-green facility. Download the report at: [www.dladamson.com/upload/images/publications/USA/The%20Cost%20of%20Green%20Revisited.pdf](http://www.dladamson.com/upload/images/publications/USA/The%20Cost%20of%20Green%20Revisited.pdf).

EyeforProcurement Publishes, *Green Purchasing Report* The July 2007 report summarizes the advantages and barriers businesses encounter to implement green purchasing practices. Obtain a copy of the report at: [http://www.eyeforprocurement.com/green/free\\_report.shtml](http://www.eyeforprocurement.com/green/free_report.shtml).

National Wildlife Federation Creates Score Card List of Major Retailers that Produce Forest Stewardship Council (FSC) Certi-

fied Wood Garden Furniture The list ranks retailers in five categories based on FSC-certified products. FSC-certified wood products help support forest management for water, soil, and wildlife habitat protection. View the score card list at: [http://www.nwf.org/nwfwebadmin/binaryVault/Garden\\_Furniture\\_Scorecard\\_2007.pdf](http://www.nwf.org/nwfwebadmin/binaryVault/Garden_Furniture_Scorecard_2007.pdf).

McGraw-Hill Construction and Siemens Building Technologies Publishes *Construction Greening of Corporate America SmartMarket Report* The May 2007 report, covers green market trends of U.S. corporations. According to the report, by 2009, 82 percent of U.S. companies are expected to incorporate green practices in 16 percent of their building stock. To purchase the report, visit the McGraw-Hill website at: [http://construction.ecnext.com/coms2/summary\\_0249-238822\\_ITM\\_analytics](http://construction.ecnext.com/coms2/summary_0249-238822_ITM_analytics).

U.S. Green Building Council Maintains Federal Leadership in Energy and Environmental Design Accredited Professionals (LEED® AP) Database To view LEED® APs for an agency, visit: <http://www.usgbc.org/LEED/AP/ViewAll.aspx?CategoryID=1306&CMSPageID=1585> enter the agency name in the affiliation field and click on search to obtain a listing of certified LEED AP agency representatives.

American Society for Testing and Materials International Develops CD-ROM

U.S. House of Representatives Issues Three Recommendations in Green Capitol

McGraw Hill Construction and Siemens Building Technologies Summarize Green Market Trends

American Society of Heating, Refrigerating, and Air Conditioning Engineers Publishes Standard 90.2-2007

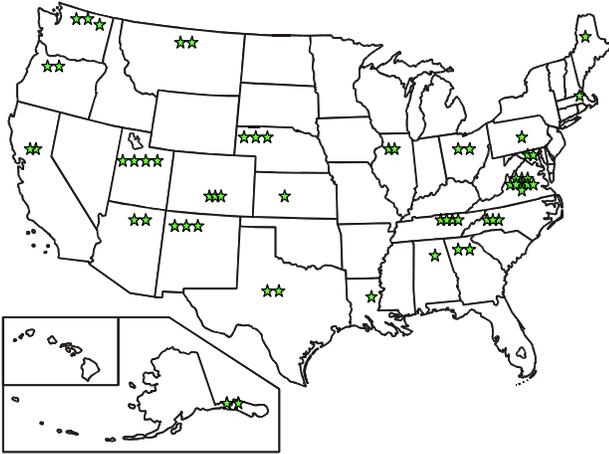
## Update on Federal LEED® Certified Buildings

According to FEMP, the National Renewable Energy Laboratory (NREL), and USGBC, as of August 23, 2007, a total of 14 agencies report that 60 Federal

facilities have earned a LEED® certification. This represents 7.2 million square feet of building space. Agencies with LEED® certified facilities include the

Departments of Commerce, Defense, Energy, Health and Human Services, Homeland Security, Interior, Justice, Labor, Transportation, and the (Continued on p.4)

## Update on Federal LEED® Certified Buildings



Federal LEED® Certified Facilities Nationwide

(Continued from p.3) Environmental Protection Agency, the General Services Administration, the National Aeronautics and Space Administration, and the Social Security Administration. Fifty-seven of the 60 projects are LEED®-NC certified, two are LEED®-EB certified, and one is LEED®-CI certified. Fifty-eight of the facilities are located in the U.S. and two are located in Italy and Bulgaria. Refer to the demographics map for a national geo-

graphical representation of the fifty-eight Federal LEED® certified facilities. For the complete list of the Federal LEED® certified projects, including agency representative, project name, city, state, certification date, LEED® rating, LEED® version, and building square footage, visit the FEMP website at: [www1.eere.energy.gov/femp/pdfs/fed\\_leeed\\_bldgs\\_sum.pdf](http://www1.eere.energy.gov/femp/pdfs/fed_leeed_bldgs_sum.pdf). Find more information on LEED® at: [www.usgbc.org](http://www.usgbc.org).

To date 60 Federal Facilities have Earned LEED® Certification and 162 Federal Facilities have Achieved the ENERGY STAR® Label

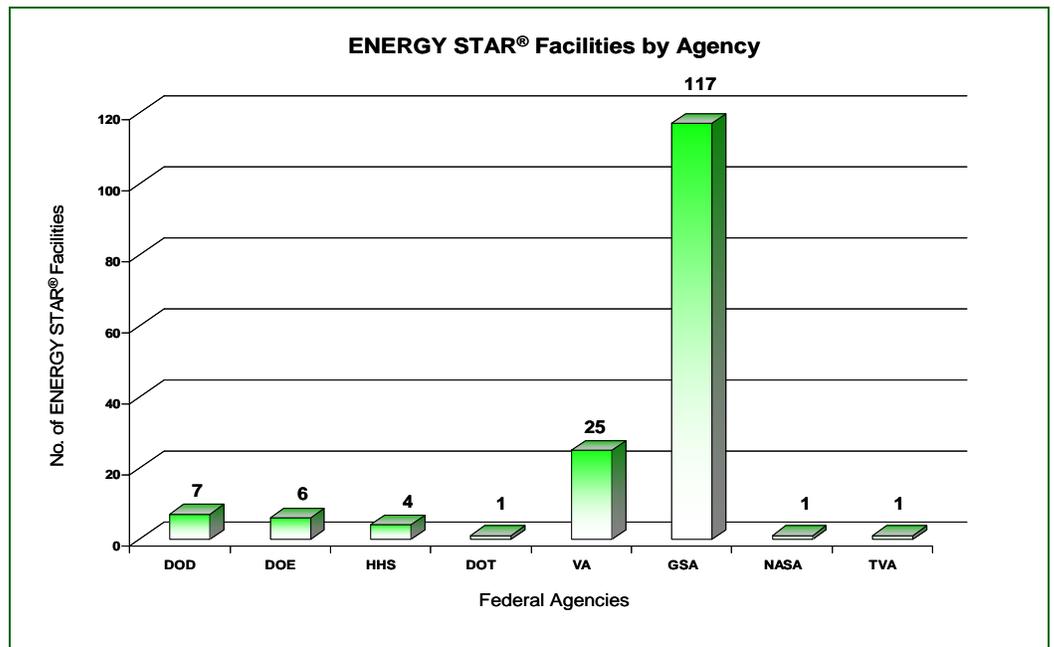
## Recap on Federal ENERGY STAR® BUILDINGS

An August 2007 analysis performed by FEMP and NREL ([www1.eere.energy.gov/femp/pdfs/fed\\_energy\\_star.pdf](http://www1.eere.energy.gov/femp/pdfs/fed_energy_star.pdf)) of Federal ENERGY STAR® buildings reveals that 162 Federal facilities from seven agencies including the Departments of Defense, Energy, Health and Human Services,

Transportation, Veterans Affairs, General Services Administration, National Aeronautics and Space Administration, and Tennessee Valley Authority, have ENERGY STAR® labeled facilities.

The bar graph demonstrates a breakdown of ENERGY STAR®

facilities by agency. For the complete list of Federal ENERGY STAR® labeled facilities, visit the ENERGY STAR® website at: [www.energystar.gov/index.cfm?fuseaction=labeled\\_buildings.showRegionSearch&building\\_type\\_id=ALL&s\\_code=ALL&profiles=0&also\\_search\\_id=FEDERALBLDG](http://www.energystar.gov/index.cfm?fuseaction=labeled_buildings.showRegionSearch&building_type_id=ALL&s_code=ALL&profiles=0&also_search_id=FEDERALBLDG).



## Selection of Federal Sustainable Design Case Studies

The National Renewable Energy Laboratory's *Science and Technology Facility* in Golden, Colorado The facility, completed in August 2006, is the first Federal laboratory building to receive LEED® platinum, which occurred in March 2007. The 71,000 square foot facility incorporates sustainable features, including daylighting, variable-air-volume supply, exhaust fans in sequence, fan coil units, energy recovery, efficient heating and cooling, under floor air distribution in offices, water-saving strategies for irrigation, and process cooling. For more information, view the Labs21 Case Study at: [www.labs21century.gov/pdf/cs\\_nrel\\_508.pdf](http://www.labs21century.gov/pdf/cs_nrel_508.pdf).

Army Corps of Engineers and Air Force's *Consolidated Support Facility* at Edwards Air Force Base, California Army Corps of Engineers and Air Force held a ribbon cutting ceremony in June

2007 for the February 2007 awarded LEED® Silver certified facility. The 49,000 square foot facility also received the Concept Design Merit Award under the 2004 Air Force Material Command Design Awards Program, a program recognizing building design projects that address environmental quality. The facility consists of a cooling system that stores thermal energy generated overnight; recycled materials, including broken concrete for the parking lot; recycled petroleum products for the carpet; and recycled structural steel for beams. Other features include drought-resistant native plants and five curved roofs providing electricity-saving natural light and shade for windows. For more information, visit: [www.spl.usace.army.mil/cms/index.php?option=com\\_content&task=view&id=236&Itemid=2](http://www.spl.usace.army.mil/cms/index.php?option=com_content&task=view&id=236&Itemid=2)

General Services Administration's *John Duncan Federal Office Building* in Knoxville, Tennessee The 172,683 square foot, LEED® certified facility, which received its award in January 2007, reduces 20 percent of water use by utilizing low-flow kitchen sinks and lavatories, encourages the use of alternative fueled vehicles by offering users preferred parking, utilizes energy-efficient building system maintenance and monitoring procedures, and applies sustainable cleaning products and materials. To learn more about other sustainable features of the facility, view the John Duncan case study at: [www.gsa.gov/Portal/gsa/ep/contentView.do?programId=11433&channelId=16863&oooid=18005&contentId=22939&pageTypeId=8195&contentType=GSA\\_BASIC&programPage=%2Fep%2Fprogram%2FgsaBasic.jsp&P=PLASD](http://www.gsa.gov/Portal/gsa/ep/contentView.do?programId=11433&channelId=16863&oooid=18005&contentId=22939&pageTypeId=8195&contentType=GSA_BASIC&programPage=%2Fep%2Fprogram%2FgsaBasic.jsp&P=PLASD).

## Synopsis of Federal Sustainable Design Program

*The Environmental Protection Agency's Internal and External Green Building Efforts: The Sustainable Facilities Practices Branch and Green Building Work Group* EPA's Sustainable Facilities Practices Branch works to improve the environmental performance of EPA's facilities. For example, EPA's new Denver Regional Office, was acquired by the General Services Administration for EPA through a design competition and build-to-suit lease. On March 6, 2007, EPA Administrator Stephen Johnson, GSA Administrator Lurita Doan, and Denver Mayor John Hickenlooper, participated in the opening ceremony for the facility.

Sustainable features include natural daylighting in 85 percent of the floor space, wind energy pur-

chases offsetting 100 percent of building electricity use, high efficiency and waterless plumbing fixtures accounting for 50 percent of water savings compared to the baseline, use of low volatile organic compounds to promote indoor air quality, an underfloor air distribution system which will make this building EPA's most energy efficient Regional Office, and a 20,000 square foot green roof to reduce stormwater impacts and heat island effects. The U.S. Green Building Council awarded the building its LEED-NC Gold certification on September 18, 2007.

Established in 2003, the EPA Green Building Work Group is an informal network of Agency programs which jointly informs, coordinates, and guides the develop-

ment of EPA policies, programs, partnerships, communications, and operations related to the environmental impacts of building. Ken Sandler and Alison Kinn Bennett from EPA, Co-Chair the work group.

EPA's green building web site provides an overview on green buildings, environmental issues, building types, additional resources and EPA green buildings, including the Denver Regional Office Learn more about the EPA Green Building Work Group and Greening of EPA efforts at: [www.epa.gov/greenbuilding/index.htm](http://www.epa.gov/greenbuilding/index.htm).



NREL's LEED® Platinum Science and Technology Facility in Golden, CO



Army Corps of Engineers and Air Force's LEED Silver Certified Consolidated Support Facility, Edwards Air Force Base, CA



GSA's LEED Certified John Duncan Federal Office Building, Knoxville, TN



EPA's Owned Denver Regional Office,

Denver, CO

# Interagency Sustainability Working Group's Bi-Annual Newsletter

## Sustainable Design Calendar of Events

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Date	Event	Sponsor	Web Site
September 20-22, 2007	West Coast Green - Residential Building Conference and Expo-San Francisco, CA	City and County of San Francisco, Google, Sunset, USGBC, and AIA San Francisco	<a href="http://www.westcoastgreen.com/">http://www.westcoastgreen.com/</a>
September 24-25, 2007	Green Building and Technology - Finance, Construction, and Investment Summit -New York, NY	Financial Research Associates LLC, Sustainable Business.com, VC Experts, and others.	<a href="http://www.frallc.com/conference.aspx?ccode=b502">http://www.frallc.com/conference.aspx?ccode=b502</a>
September 24-27, 2007	Solar Power 2007 - Long Beach, CA	SEPA, SEIA, and SHARP	<a href="http://www.solarpowerconference.com/">www.solarpowerconference.com/</a>
September 27-30, 2007	International Conscious Design Conference and Expo-Parsippany, NJ	Morris Habitat for Humanity, International Feng Shui Guild, Emy Louie Radio Show, Conscious Design Magazine, and AACD	<a href="http://www.ConsciousDesignExpo.com/">http://www.ConsciousDesignExpo.com/</a>
October 1-2, 2007	Green + Design Conference and Expo-Atlanta, GA	Nielsen Business Media	<a href="http://www.greendesignexpo.com/gdexpo/index.jsp">www.greendesignexpo.com/gdexpo/index.jsp</a>
October 2-4, 2007	2007 Laboratories for the 21 <sup>st</sup> Century Conference-North Charleston, SC	EPA, DOE and the International Institute for Sustainable Laboratories,	<a href="http://www.labs21century.gov/conf/">http://www.labs21century.gov/conf/</a>
October 5-6, 2007	Tenth Annual Green Building Expo-Scottsdale, AZ	City of Scottsdale and many others	<a href="http://www.greenbuildingexpo.com/">www.greenbuildingexpo.com/</a>
October 16-18, 2007	Commonwealth of Virginia Energy and Sustainability Conference-Lexington, VA	Virginia Military Institute Research Laboratories, Virginia Sustainable Future Forum, and the Department of Mines, Minerals and Energy (DMME).	<a href="http://www.energyvacon.org/">http://www.energyvacon.org/</a>
November 1-2, 2007	International Conference on Sustainability and the Supply Chain-Portland, OR	Portland State University	<a href="http://www.pdx.edu/sustainability/ap_center_supply_chain_conf.html">http://www.pdx.edu/sustainability/ap_center_supply_chain_conf.html</a>
November 7-8, 2007	Mid-Atlantic Buildings and Facilities Management Show and Conference- Somerset, NJ	IFMA, New Jersey BPU, AFE, New Jersey Chapter Community Associations Institute and others	<a href="http://www.proexpos.com/MABFM/index.php?PHPSES-SID=53dd4e3bb10c57fe12815593c4e531a1">http://www.proexpos.com/MABFM/index.php?PHPSES-SID=53dd4e3bb10c57fe12815593c4e531a1</a>
November 7-9, 2007	2007 Greenbuild	USGBC	<a href="http://www.greenbuildexpo.org/">http://www.greenbuildexpo.org/</a>
November 17, 2007	Opportunity Green Conference Los Angeles, CA	UCLA and GSA	<a href="http://www.opportunitygreen.com">http://www.opportunitygreen.com</a>
December 10-13, 2007	Ecobuild Fall-Washington, D.C.	Ecobuild America and others	<a href="http://www.ecobuildamerica.com/fallhome.html">http://www.ecobuildamerica.com/fallhome.html</a>

This newsletter is produced by the Interagency Sustainable Working Group (ISWG) to provide ISWG members with timely information on topics relevant to Federal sustainable design activities. The ISWG, which is chaired by the Department of Energy's Federal Energy Management Program (FEMP), was established in September 2001 in response to Executive Order 13123 - Greening the Government Through Efficient Energy Management and re-established in January 2007, under the new executive order, Executive Order 13423 - Strengthening Federal Environmental, Energy, and Transportation Management. The purpose of the ISWG is to: serve as a forum for the exchange of information within the Federal Government on individual agency sustainable design activities; foster and encourage each Executive branch department and agency to consider the adoption of sustainable design practices and the technologies in new Federally owned, operated, and leased buildings as well as major renovations of existing Federal facilities; and identify and propose solutions to barriers for the adoption of sustainable design in the Federal sector. If you are interested in submitting information to include into the next newsletter, please provide your input by February 1 to Seema Vyas at: [svyas@energetics.com](mailto:svyas@energetics.com). For more information on ISWG visit: [www1.eere.energy.gov/femp/sustainable/sustainable\\_workinggroup.html](http://www1.eere.energy.gov/femp/sustainable/sustainable_workinggroup.html).