

DOE Environmental Sustainability Network (ESN)
January 2008 Conference Call
17 January 2008

1. DOE Order 450.1A Update – Jane Powers, 202 586 7301,
jane.powers@hq.doe.gov

The non-editorial comments submitted through REVCOM on draft DOE Order 450.1A were divided among three topics: (a) the deadline for EMS implementation, (b) the lack of funding to carry out the Order's requirements, and (c) the mandatory nature of the Order's sustainable practices. Responses to the 55 submitted REVCOM comments are due 11 February.

In regards to item (a), DOE has negotiated with the OFEE (Office of the Federal Environmental Executive) to extend the deadline for compliance with the EO 13423 requirement for full implementation of EMS from December 31, 2008 to March 30, 2009 – a year after the expected release of Order 450.1A.

2. DOE Order 430.2B Update – Skye Schell, 202-586-9015,
schuyler.schell@ee.doe.gov

One of the few remaining REVCOM comments awaiting resolution is the preferred order of operations for obtaining funding. The preferred ranking in Order 430.2B is energy savings performance contracts (ESPCs) first and the appropriations process second. The Office of Energy Efficiency and Renewable Energy (EERE) is working with program office representatives to reach a resolution.

3. TEAM Update – Skye Schell, 202-586-9015, schuyler.schell@ee.doe.gov

The development and implementation of executable plans are the keys to ensuring that achieving the goals of the DOE Transformational Energy Action Management (TEAM) Initiative become integrated into operations now and into the future. Third-party financing tools, such as ESPCs, are the preferred means to achieve the TEAM goals. However, there is recognition that they may be more compatible with some projects – such as those focusing on energy intensity reduction – than others, such as renewables and fleet management projects.

Thirty ESPCs, which range from \$1 million to hundreds of millions of dollars, are in various stages of development across the complex. Twelve ESPCs are in place and are projected to achieve about one-half of the TEAM goal of a 30 percent reduction in energy intensity.

Beginning now, all new buildings at Critical Design Level 1 or lower will be built to achieve LEED (Leadership in Energy and Environmental Design) Gold certification. For existing buildings, DOE is developing a cross-walk of LEED EB (Existing Buildings) certification with the Guiding Principles established in the Federal Leadership in High

Performance and Sustainable Buildings (HPSB) Memorandum of Understanding (MOU). Four DOE sites are presently pursuing LEED EB certification.

Actions are being made to locate renewable energy projects on DOE sites and, in an effort to reach the TEAM goal of reduced petroleum use, DOE is attempting to increase the number of its alternate fueling stations. Josh Silverman indicated that a new working group was formed to identify opportunities for achieving greater water efficiency.

4. Headquarters' Concessions Upgrade Project – Gerri Bullock, 202-586-4459, geraldine.bullock@hq.doe.gov

In response to customer surveys and ideas, Headquarters embarked on a series of short (less than 90 days) and long (90 days or longer) plans to upgrade concession services. The plans include modifying menus to offer healthier choices, phasing out the use of Styrofoam items, increasing the use of biodegradable and environmentally friendly products, and promoting recycling. Because of its larger scope of operations, the Forrestal concession service is the first to be upgraded; similar upgrades should be in place at Germantown by the end of the year.

5. Pollution Prevention Reporting – Don Lentzen, 202 586 7428
don.lentzen@hq.doe.gov

The data submitted through the PPTRS is under review to identify opportunities for sharing ideas on effective pollution prevention projects. Don will discuss the PPTRS results with sites, on an individual basis, in the coming weeks. Site personnel who entered PPTRS data were thanked for their patience and efforts in the face of the unfortunate glitches with the system.

The best-in-class projects designated by the program secretarial offices and NNSA will now be submitted for consideration for White House Closing the Circle awards and soon-to-be-renamed DOE P2 Star awards.

6. EMS Reporting – Steve Woodbury, 202 586 4371 steve.woodbury@hq.doe.gov

Based on reporting results, the OMB scorecard should show EMS status as “green.” A compilation of the responses to the open-ended questions that comprised the second part of the EMS reporting is under review.

The 2008 EMS report questions will be the same as those asked for the 2006 and 2007 reports. However, the Interagency Metrics Committee is initiating development of the questions for the 2009 EMS reporting. That effort will focus on reporting the integration of the EO 13423 sustainable practices in the EMS framework.

7. OFEE 2008 East and West Environmental Symposia – Beverly Whitehead, 202 586 6073, Beverly.Whitehead@hq.doe.gov

The East event will take place 2-4 June at the National Institutes of Health (NIH) in Bethesda, Maryland; the West event is scheduled for 17-19 June in West Yellowstone, Montana. The registration fees are \$125 and \$250, respectively, for the East and West Symposia; the \$250 registration fee includes meals. The East Symposia registration fee is waived for presenters.

The call for abstracts has been issued; please submit your ideas at <http://www.fedcenter.gov/calendar/conferences/symposium2008/cfp/>. The deadline for submission is 15 February.

8. DOE/EFCOG EMS Training Workshop -- Steve Woodbury, 202 586 4371
steve.woodbury@hq.doe.gov

A DOE/EFCOG training workshop, Environmental Management Systems: Integration, Lessons Learned, and Best Practices, is scheduled for Friday, 20 June. The workshop follows the 17-19 June OFEE West 2008 Environmental Symposia.

In order to reach the widest possible audience, the EFCOG environment committee will encourage the participation of other committees such as energy efficiency and infrastructure. Panel presentations are generally very effective at workshops so your ideas for panel topics are very welcome – Steve Woodbury, Jeff Eagan, and Bev Whitehead offered to help develop the panels on your topics.

The call for papers and panel ideas coincides with the call for papers for the OFEE Environmental Symposia and uses the same website: <http://www.fedcenter.gov/calendar/conferences/symposium2008/cfp/>. Please specify “DOE Training Workshop” in the title box after the “Presentation Title”.

9. DOE Workshop – Beverly Whitehead, 202 586 6073,
Beverly.Whitehead@hq.doe.gov

The DOE workshop normally held after the OFEE Symposium will be held on 5 June, the day after the OFEE East Symposia. The workshop, scheduled for 9 AM to 1 PM, will be held at Forrestal. Topics under preliminary consideration include water conservation, high performance sustainable buildings (HPSB), LEED EB, DOE Order 430.2B, ISM (Integrated Safety Management), and contracting to ensure that DOE order requirements cascade to contractors and sub-contractors. Please contact Bev regarding additional topics and/or your preference for these possible topics.

10. Electronic Stewardship Updates – Jeff Eagan, 202 586 4598,
Jeff.Eagan@hq.doe.gov

OMB Scorecard:

Indicators are that the Department could earn an OMB Scorecard “green” for electronics stewardship; OMB’s actual ranking should be released shortly.

EPEAT in the FAR:

As of 26 December 2007, the Federal Acquisition Regulation (FAR) was amended to require use of the Electronic Products Environmental Assessment Tool (EPEAT) when acquiring personal computer products such as desktops, notebooks, and monitors. The Federal Register notice of the change to the Code of Federal Regulations is at page 73215 of Volume 72.

DOE Achieves EO EPEAT Acquisition Goal:

Based on the results of the recent P2 data call, 95 percent of DOE’s electronics purchases in 2007 were EPEAT compliant – this is the goal established in EO 13423 and issued in 2007.

Federal Electronics Challenge FEC:

The few sites that have not yet become FEC partners are encouraged to do so. Jeff will gladly assist sites in completing the straight forward application process.

FEC Awards:

One of the many benefits of FEC membership is the multi-layered awards program. Each year, FEC Facility Partners may apply for and receive annual recognition at one of three levels - Gold, Silver or Bronze. Facility Partners may apply for a 2008 Federal Electronics Challenge Award for electronic stewardship activities completed between January 1 and December 31, 2007. PLEASE NOTE: Complete award applications are due January 31, 2008.

Electronics Reuse and Recycle Challenge (ERRC):

The Department is aiming for a three-peat, a hat-trick, or any other term that applies to winning the same award in three consecutive years. DOE won the ERRC in the last two years due to strong site participation. The website for the ERRC is www.federalelectronicchallenge.net/errc and membership is still open.

Data Centers as Topic of Interest:

Data centers have become an issue of recent interest and could be a topic for discussion at the EFCOG/DOE EMS Training Workshop. Please see item 8 for more information on the Workshop and abstract submission if you have information to share.

11. Tracking Weight of Recyclable Paper and Cardboard -- Jerry Hoch, 716 942 2409; Jerald.Hoch@wves.org

In the absence of a drive thru truck scale, the West Valley Demonstration Project was forced to issue a request for bids that stipulated that the recycler was responsible for

weighing the truck before and after pick-up. That provision reduced the number of bidders to one which led to a rather expensive recycling program. As an alternative, a new request for bids proposed that the recycler maintain a tally of bins picked up and report the total to the site. This resulted in several vendor responses and a better recycling contract. The recycler keeps track of full and half-full bins; payment is based on an estimated cubic foot weight per bin. Several other sites indicated they used a similar system and indicated that the National Recycling Coalition and the EPA Solid Waste website contain weight data that might also be useful.

Note: The next ESN conference call is scheduled for 21 February 2008. Please contact Bev Whitehead, 202 586 6073, Beverly.Whitehead@hq.doe.gov regarding any issues or areas you would like to see raised during the call.

DOE Environmental Sustainability Network (ESN)
February 2008 Conference Call
21 February 2008

1. Y-12 Silver Recovery Process – George Proffitt, 865-574-0068,
proffittge@y12.doe.gov

Oak Ridge Y-12 has set-up a contract with a refiner for silver reclamation from photographic supplies. This contract is available through December 2009. Material can either be shipped to George at Y-12 for accumulation or can be shipped directly to the refiner. Typically, Y-12 will accumulate between \$300,000 and \$400,000 worth of precious metals before shipping to the refiner. Y-12 is averaging \$5.5-6 million dollars a year in shipments.

The refiner, named Sipi Metals (www.sipimetals.com), has been audited by Oak Ridge staff to verify performance and compliance. For a copy of the audit, please contact Wayne Carlton at 865-576-0286 (carltonwp@y12.doe.gov).

2. DOE Order 450.1A Update – Jane Powers, 202-586-7301, jane.powers@hq.doe.gov

DOE Headquarters is currently working on the response to comments received during the RevCom process. The Order will re-enter the RevCom process in early March, with a two week review period. After this review period, hopefully all the PSOs will concur with the Order.

3. Toxic Reduction Reporting – Josh Silverman, 202-586-6535,
josh.silverman@hq.doe.gov

A brief side note: Andy Lawrence was given the opportunity to present DOE's environmental performance to Secretary Bodman. This is a fantastic opportunity to highlight DOE successes.

E.O. 13423 has the goal of reducing the quantity of toxic and hazardous chemicals and materials acquired, used, & disposed of. DOE developed a Recommended Approach to complying with the EO 13423 requirements for toxic chemical reduction and submitted a plan to OFEE on January 21, 2008.

DOE O 450.1A will require each DOE site to establish performance-based goals for toxic chemical reduction or elimination in its EMS. Sites will determine the chemicals, reduction goals, and actions, based on its conditions, costs, mission requirements, and ES&H features

Note: Slides were distributed prior to the conference call.

4. Results of P2 Funding Survey – – Beverly Whitehead, 202- 586- 6073,
Beverly.Whitehead@hq.doe.gov

Many sites have recently inquired about how other sites fund their P2 program. HS-22 sent out a questionnaire and 19 sites responded. The breakdown for funding is as follows:

- Annual Budget from Lab Overhead – 11 sites
- Tariff/Tax on Waste Generation – 3 sites
- Self-Perpetuating Program – 0 sites
- Generated Recycling Revenue – 1 site
- Internal Direct Funding Through Direct Allocation – 8 sites
- Other – 3 sites

Please note that some sites are funded using a combination of the methods listed above. A summary spreadsheet has been distributed with these minutes.

5. OFEE 2008 East and West Environmental Symposia – Beverly Whitehead, 202-586-6073, Beverly.Whitehead@hq.doe.gov

The East event will take place 2-4 June at the National Institutes of Health (NIH) in Bethesda, Maryland; the West event is scheduled for 17-19 June in West Yellowstone, Montana. The registration fees are \$125 and \$250, respectively, for the East and West Symposia; the \$250 registration fee includes meals. The East Symposia registration fee is waived for presenters.

6. Electronic Stewardship Updates – Jeff Eagan, 202-586-4598,
Jeff.Eagan@hq.doe.gov

The Department has earned an OMB Scorecard “green” for electronics stewardship. Congratulations to everyone for their hard work!

DOE Achieves EO EPEAT Acquisition Goal:

Based on the results of the recent P2 data call, 95 percent of DOE’s electronics purchases in 2007 were EPEAT compliant – this is the goal established in EO 13423 and issued in 2007.

FEC Awards:

One of the many benefits of FEC membership is the multi-layered awards program. Each year, FEC Facility Partners may apply for and receive annual recognition at one of three levels - Gold, Silver or Bronze. This year, there are 7 FEC award applicants. Results of the award process will be announced in about a month.

CIO Conference

The CIO Conference is being held after 2 years. It is “THE IT” meeting for DOE. Jeff Eagan will be attending. Please let him know if your IT staff is attending.

Electronics Reuse and Recycle Challenge (ERRC):

The Department is aiming for a three-peat, a hat-trick, or any other term that applies to winning the same award in three consecutive years. DOE won the ERRC in the last two years due to strong site participation. The website for the ERRC is www.federalelectronicschallenge.net/errc and membership is still open.

7. Pantex Metals Moratorium – Bob Fleming, 301-903-7627;
robert.fleming@nnsa.doe.gov

The planned pilot may now include two sites (i.e. Pantex and one other site). Currently a draft memo is being prepared for the Deputy Secretary. At this time, two sites have volunteered to partake in the pilot, one Science and one NNSA site.

Please contact Beverly Whitehead, 202- 586- 6073, Beverly.Whitehead@hq.doe.gov regarding any issues or areas you would like to have discussed during the ESN monthly conference calls.

DOE Environmental Sustainability Network (ESN)
March 2008 Conference Call
20 March 2008

1. DOE Order 450.1A Update – Josh Silverman, 202 586 6535,
josh.silverman@eh.doe.gov

The 2-week RevCom review and concurrence period ends on Monday, 24 March. Several concurrences have already been received. The Office of the General Council (GC) has non-concurred on several minor points and has suggested alternative language which will be accepted and integrated into the order. After all concurrences have been obtained, the revised order will be routed to GC again via the Office of Management (MA) before it receives final approval.

2. Spent Smoke Detector Disposition – John Harley, 803 557 6332,
john.harley@srs.gov

The Savannah River Site is experiencing difficulty in finding recyclers who will agree to sign contracts to recycle spent smoke detectors. All recyclers contacted to date refuse to agree to the contract terms that the site's general counsel requires – the export control provision is one of the objectionable terms. In response to a survey of disposition methods for spent smoke detectors, 7 sites dispose, 5 recycle, and 4 return the detectors to the manufacturer.

3. Green Purchasing Training Seminar – Don Lentzen, 202 586 7428
don.lentzen@hq.doe.gov

The Green Purchasing Training Seminar conducted by Richard Langston will be offered once again via a conference call on Monday, 24 March, at 11:00 a.m. (EDT). The call in number is 301 903 9196.

4. Electronic Stewardship Updates – Jeff Eagan, 202 586 4598,
Jeff.Eagan@hq.doe.gov

Opportunities still exist for sites to make brief presentations on their electronic stewardship programs at the OFEE 2008 East and West Environmental Symposia. The presentations will be part of a larger DOE presentation that highlights site activities. Please contact Jeff for more information.

FEC award recipients have received an environmental compliance questionnaire which is part of the awards process. Contact Jeff for any assistance in completing the questionnaire.

The Pollution Prevention Tracking and Reporting System (PPTRS) data are being reviewed to identify opportunities for strengthening procurement and disposal of electronic equipment. The opportunities might be site-specific or they may have

applicability across several sites. An example of one opportunity which is on the horizon: electronics reporting will move from reporting by weight to reporting by number of monitors, lap tops, and desk tops.

During a discussion on solid ink printers, the point was made that these printers are not Energy Star qualified yet procurement requires such rating. EPEAT will soon be reviewing imaging equipment and that review may lead to allowing the purchase of solid ink printers.

In response to a query regarding the existence of lines of inquiry or a Criteria Review and Approach Document (CRAD) to evaluate recyclers, Jeff mentioned that EPA will be issuing voluntary standards for certification of recyclers. Those standards might be available this summer. Two sites observed that electronic recycling is not done due to concerns regarding the possible release of classified material.

Please send Beverly Whitehead any guidelines or considerations in use now to evaluate possible recyclers.

5. OFEE 2008 East and West Environmental Symposia – Beverly Whitehead, 202 586 6073, Beverly.Whitehead@hq.doe.gov

Registration via FedCenter is now open for the West Symposium; registration for the East Symposium will open in early April.

During the East Symposium (June 2-4) at the NIH in Bethesda, MD, a tour of the U.S. Green Building Council (USGBC) Headquarters is scheduled for Tuesday, 3 June. The interior of the USGBC suite is LEED Platinum. The tour is open to 20 people; an additional tour could be arranged if there is sufficient interest. For more information on the tour, please contact Thomas McGeachen at (609) 915-6393 or e:mail him at tmcgeachen@pppl.gov.

6. DOE Environmental Sustainability Session – Beverly Whitehead, 202 586 6073, Beverly.Whitehead@hq.doe.gov

The DOE Environmental Sustainability Session is scheduled for 9 AM to 1 PM on Thursday, 5 June; it will be held at Forrestal. Three topics are planned: Integration of IMS and EMS; EMS Implementation, and DOE Order 450.1A. Also, there will be a ceremony for the P2 Star Awards winners.

7. Toxic Reduction Reporting – Josh Silverman, 202 586 6535, josh.silverman@eh.doe.gov

The effort to develop a process for tracking performance and progress in reducing the use of toxic and hazardous chemicals and materials is continuing. The P2 site profile reporting will be modified to accommodate the new goals established in DOE O 450.1A.

The objective of the modification is to obtain a better understanding of the types of activities, programs, and products that are being used to reduce the use of these materials and chemicals and then share that information as lessons learned.

Note: The next ESN conference call is scheduled for 17 April 2008. Please contact Bev Whitehead, 202 586 6073, Beverly.Whitehead@hq.doe.gov regarding any issues or areas you would like to see raised during the call. I am particularly interested in featuring what you have planned for Earth Day observances.

Happy Easter!!