



Interoffice Communication

Date: December 18, 2012

To: Executive Council
Dr. Alex King, Dr. Cynthia Jenks, Dr. Duane Johnson, Dr. Thomas Lograsso, Mark Murphy and Debra Covey

From: Environmental Management System Steering Committee
Jim Brazelton, Diane DenAdel, Terry Herrman, Dan Kayser, Ryan Ott, Rebecca Shivvers, Michael Vaclav, and Dan Zamzow.

RE: Environmental Management System Steering Committee (EMSSC) Energy Conservation and Pollution Prevention Recommend Targets for CY 2013

The EMSSC submits the following recommendations for energy, resource conservation, and pollution prevention that it believes will help meet the DOE's sustainability goals and reduce the Laboratory's environmental footprint. The Committee also recommends the Executive Council communicate responsibility for the performance of each of the approved recommendations listed below, as well as the Laboratory's Site Sustainability Plan (SSP), which encompasses all aspects of the Laboratory's efforts to help meet DOE's sustainability goals.

Recommended Objectives/Targets:

- 1) The DOE has a goal to reduce Green House Gases (GHG) 30% by 2015, using 2008 as the baseline year. Ames Laboratory Employee Commuting (ALEC) is a web application to obtain data for the Department of Energy's (DOE) reporting requirements. Current reporting assumes each employee drives a car and approximates commute distances using zip-code mileages. The data contributed will provide a more accurate picture of the Laboratory's employee commuting practices (to and from work) by taking into account other modes of transportation, such as car/van pools, walking/jogging, mass transportation, bicycles, and hybrid vehicles. Information will be kept confidential and will not be shared. Data will be displayed cumulatively on Ames Laboratory's main website. The Committee recommends the Executive Council supports, promotes, and encourages employee participation by way of Director's Messages, announcement in *The Insider* and a contest for Ames Laboratory clothing or other items. **Responsibility:** Executive Council and EMSSC.
- 2) Thin clients have the potential to save \$6,073.70, annually in energy savings, based on the replacement of 100 desktop devices, and help meet DOE's energy efficiency goal of reducing energy usage 30% by 2015. **Target:** Install thin clients for all compatible administration staff computer systems by December 31, 2017. **Responsibility:** Information Systems.

- 3) DOE sustainability goals require facilities to purchase Environmentally Preferred Products (EPP) to the maximum extent. CY2013 will be used as a baseline year to establish tracking and to provide additional training for EPP purchasing. **Target:** Earn DOE's Silver GreenBuy award for CY2014, accomplished through purchasing six EPPs in three or more categories. **Responsibility:** Purchasing.
- 4) Reduce energy usage by removing or replacing incandescent bulbs in fixed lighting fixtures in Laboratory owned buildings with CFLs and/or LEDs. **Target:** Remove/Replace 100% by December 31, 2013. **Responsibility:** Facilities & Engineering Services.
- 5) The DOE has a goal to reduce greenhouses gases (GHG) 30% by 2015. The Committee recommends adding hybrid rental cars to the Laboratory's rental car contract with Enterprise, and promote and encourage travelers to use hybrid vehicles when feasible. Hybrid rental cars will cost \$5/day more than standard vehicles. However, the gas savings alone could offset the additional cost. **Responsibility:** Purchasing and Travel.
- 6) The Laboratory has expanded its recycling efforts to include newsprint, mixed paper, and food/beverage containers. These efforts will help meet DOE's goal to divert 50% of non-hazardous solid waste by 2015. Email and an *Insider* article have encouraged employee participation. The Committee recommends the Executive Council acknowledge these efforts, and encourage and promote employees to "think" recycle first before disposing unwanted materials. **Responsibility:** Executive Council
- 7) To help reduce and meet the DOE's reduction of green house gases by 30%. Encourage video conferencing, and webinars. **Responsibility:** Executive Council and Program Managers.
- 8) A recent inventory of desktop printers found over 300 desktop printers. Most printers are not energy star and do not have duplexing capabilities. It cost more to print with a desktop printer than a multifunction printer in both energy and consumables. The Committee recommends reducing the number of desktop printers by 10% by 12/31/2013 and streamlining desktop printers to three-four approved models by 12/31/2013. **Responsibility:** Executive Council, Program Managers, and Purchasing.

The EMS Steering Committee looks forward to the Executive Council's approval of these recommendations. Any comments or questions are appreciated. Please send your reply to Dan Kayser, kayser@ameslab.gov. Dan can also be reached at 294-7923.

cc: Tom Wessels, ESH&A Manager
Andrea Spiker, Purchasing & Property Manager
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