



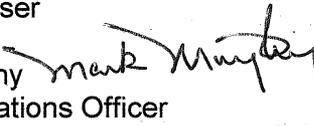
THE Ames Laboratory

Creating Materials & Energy Solutions

U. S. DEPARTMENT OF ENERGY

DATE: January 20, 2011

TO: Environmental Management System (EMS) Steering Committee
% Dan Kayser

FROM: Mark Murphy 
Chief Operations Officer

SUBJECT: **“Environmental Management System Steering Committee (EMSSC) Energy Conservation and Pollution Prevention Goals Recommended for CY2011” dated December 6, 2010**

In regards to your letter referenced above the Executive Council (EC) has reviewed the recommendations and provides the following response:

- Item 1. Target to reduce Scope 3 greenhouse gases (GHG) by 1% based on the FY08 baseline - Executive Council supports this target for CY2011. The EC directs the EMSSC to develop a GHG usage statement showing FY2008 and FY2010 usage and a FY2011 GHG detailed plan to show the impacts of various options to help meet the GHG reduction target. The EMSSC should also work with the EC, PDs and Public Affairs to schedule awareness event and help educate the staff on the GHG goals. Initial FY2011 GHG detailed plan and educational materials due May 31, 2011.
- Item 2. Target to install touchless water faucets in the four main Lab buildings - Executive Council does not support this target for CY2011. FSG has already installed low-flow aerators in all the faucets so any savings would be minimal and there is no evidence of faucets being left on. The Lab is planning to install low flow urinals and stools as funding becomes available. The EC will ask FSG to develop a timeline for the replacement of the fixtures. Timeline due June 30, 2011.
- Item 3. Reduce the use of desktop printers and move to networked copiers – Executive Council supports this target for CY2011. EC asks EMSSC to work with Purchasing to commission a study on printing and copier services throughout the lab and issue standards for use of printers and copiers to reduce energy consumption and printing costs. The team will also need to consider security for sensitive documents and possible safeguards to restrict printing until the requester is present. Study due September 30, 2011.
- Item 4. Building energy use conveyed to users in real time via the Ames Lab web-page – Executive Council supports this target. The FSG is looking into the various option for real time reporting. Select reporting option by June 30, 2011.
- Item 5 Strongly encourage future computer purchasers to request laptops rather than desktop computers. Executive Council supports this initiative from an energy savings perspective but feels the issue needs further consideration from an operations and cyber

security perspective. The EC will instruct IS to perform a study of this recommendation. Due to a major cyber security project that's due August 31 this report is due December 31, 2011.

Item 6. Recommend use of hybrid vehicles when renting from ISU Transportation Services. The Executive Council agrees with this recommendation. The Travel Office will encourage travelers to request hybrid vehicles where possible. This change will take place immediately.

In addition, we will work to increase awareness of the Lab's short and long to energy goals contained in the Lab's Site Sustainability Plan and we will require greater compliance with the EPEAT standards.

In case you are not aware, last summer Lab management worked with the scientific programs to encourage the replacement of CRTs with LCD monitors. Approximately 70 CRTs were replaced. Further, the FSG and ESG have been commissioned to perform studies on the energy usage of various building components and equipment throughout the Lab. Once the energy consumption is known they will look at new equipment specifications and make recommendations for future replace equipment that would most effectively reduce energy consumption. You may want to contact those offices to see if there are areas where the EMSSC can support those efforts.

If you have any questions regarding this response please contact me. Thank you for your efforts on this year's recommendations.