



Computer Power Management Pilot is a Success

Last summer employees from the Aeronautics, Rail & Transit joined 107 other employees from Administrative Services, Environmental Services, Office of Energy and Planning, Health & Human Services, and Employment Security in a one-month computer power management pilot program. The goal; to reduce energy. Summaries produced after 30 days by the Office of Information Technology (OIT) showed an overwhelming percentage of participants reducing energy by adopting a few simple steps in computer power management.

With support from OIT we are now moving forward to implement this program Department wide beginning with Finance and Contracts.

Stay tuned, for those of you that are anxious to get started, OIT will be offering guidance on the intranet for all of you to participate on your own.

Bureau of Traffic - Energy Audit

In January Clough Harbour & Associates began a detailed facility energy engineering audit on the

buildings located at the Bureau of Traffic located on Route 106. Project tasks include; survey of existing systems, boiler replacement, building thermal review, natural gas overhead infrared heat, utility curtailment, energy management system, and retrocommissioning of the HVAC system. The audit is scheduled to be completed in April and will provide the Department with a draft RFP/RFQ to be used in moving forward with the audit findings.

State's Energy Management Annual Report

The Governor's annual report on energy offers a look at the energy status of state-owned facilities. While the report states that energy use overall has increased, 11 of the 17 State agencies have realized a decrease in energy consumption and yes; NHDOT was one of the 11. Congratulations are in order.

The report goes on to encourage the implementation of energy efficient lighting, motion detectors, and better management of fans, heaters, water dispensers, coffee makers, vending machines, and other appliances.

The report recommends that the State pursue funding dedicated to energy projects and training for building managers and employees to increase knowledge and implementation of energy efficiency practices.

ENERGY SAVING TIPS

- Tighten your gas cap. As much as 30 gallons of gasoline could be lost annually to evaporation when the fuel cap is not fully tightened.

Commissioner's Column

As I travel the state, I'm pleased to witness the Department becoming more involved in reducing energy. Many of your recommendations for reducing energy are underway in our 220 facilities around the state. Interior and exterior lighting is being turned off when not in use, vehicles are conserving fuel and idling less, and computers are being managed properly to reduce energy. Other activities I observe include; facility energy audits, window and door replacements (including overhead doors) and vinyl siding for buildings. Recycling is also becoming more commonplace.

The Department is off to a good start and I ask you to keep the energy reduction awareness program moving forward by spreading your energy use reduction knowledge to others. The best way to do this is by example.

I applaud your efforts to become involved and thank you for becoming a part of a culture shift at the DOT to conserve energy.

- George N. Campbell, Jr.

Leading By Example

Old Buildings Made New – Energy Success Story

NHDOT Franklin Yard is one of the Department's main energy consumers. In 2008 we spent nearly \$8000 on heat and power. Recognizing these high costs we are making a number of changes at this location to conserve energy.

To date we have replaced about half of the 17 single pane windows to our 1944 office building with energy efficient multi-pane windows.

Additionally, we have replaced 3 non-insulated overhead doors to our paint storage building with insulated doors. The facility manager, Norm Legere, feels that the fuel oil usage has been reduced by about 1/3 for this building due to the addition of these doors and this winter has been slightly cooler than last winter. Depending on the price of fuel we estimate pay back of about 4 years on these doors. We are also in the process of replacing 5 outdated non-insulated entry doors with new insulated ones. Our welding shop had 1970's era fluorescent light fixtures in it. We replaced these lights with new, brighter and 20% more efficient fixtures. The energy savings on the lighting has an estimated pay back of about 6 years.

The biggest initiative that we are undertaking at our Franklin Yard Facility is to update the heating

system. This yard has three buildings that are heated by a number of different systems. If all goes as planned we should be done this spring.

DOT Recycles!

In the wake of budget talks and questions about the viability of the recycling market, one thing is certain: the state and NHDOT will continue to recycle, bigger and better than before. Partly spurred by House Bill 877 (mandating recycling in all state agencies) and carried onward with the ideals of stewardship, the NHDOT is moving forward as part of the Interagency Recycling and Products Purchase Committee (IRPPC). The IRPPC and Administrative Services are working hard to ensure that all agencies are not only aware of, but have the contracts available to accommodate improved recycling efforts. For the Morton and Materials & Research buildings, this translates into more materials being recycled.

Currently, Administrative Services supports our bottles and cans (plastics 1 and 2) recycling. In the near future, they will be expanding efforts to include plastics 3-7.

Given the current recycling market, some may wonder, is recycling really fiscally responsible now? The answer: YES! Not only is recycling still a cheaper method of "disposal" than paying landfill tipping fees, but recycling is also environmentally responsible. To those not yet on the bandwagon: you're invited to save money, save the planet and recycle!



Recycling one aluminum can saves enough energy to run a TV for three hours -- or the equivalent of a half a gallon of gasoline.

Walmart Energy Audit

Last November the State was chosen to participate in a nationwide energy audit conducted by Walmart. The energy audit consisted of 3 State buildings; the State House, Safety Building, and the Morton building. The audit at the Morton building consisted of a 2 day walk-through and recommendations to follow. The audit recommended upgrade to lighting, adjust condenser water temps, recommission control system, disable boiler at 55 degrees instead of 65 degrees, adjust hot water reset system, install occupancy sensors for large conference room, adjust scheduling system to minimize system on time, and replace existing boilers with new condensing boilers. Some of the recommendations have been accomplished and it is the intention of the Department of Administrative Services (our landlord) to follow through with the audit recommendations as funding allows.



Contact Us:

Please send us an email with your comments, suggestions and feedback to:
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Energy Web sites:

- www.ecodriving.usa.com
- www.energystar.gov/
- www.recycling-revolution.com/