



Energy Updates

November 2010

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Deputy Mayor Goldsmith Enforces Double-sided Printing

At the end of October, Deputy Mayor Goldsmith released the first of a series of memos to Agency Heads introducing the Quick Cost Savings Program, a new initiative to identify and eliminate unnecessary expenses across City agencies. One of the first three cost saving policies is a mandate enforcing duplex (double-sided) printer settings on local area network printers and copiers. Double-sided printing was originally required by Local Law 121 in 2005, but until now enforcement has been inconsistent. The memo also encourages the use of scanners, networked copiers, and electronic documents (i.e. PDFs) to further reduce paper use. The potential savings to the City of this new policy is \$1 million annually.

Overview of Energy Management Course Begins Dec. 3

There are a few remaining openings in the Overview of Energy Management Course beginning December 3rd. This three half-day course will be held at the Citywide Training Center and is being offered in partnership with the CUNY Building Performance Lab. Please visit nyc.gov/energy-conservation for information on how to register. This training is offered at no cost to agencies, but there is a penalty for no-shows.

Reminder: Testing dates for Interruptible Gas Account

Con Edison conducted a test of its communication systems at the end of October and tested interruption of the Notification and Off-Peak-Firm types of accounts in early November. For questions to Con Edison, contact Russell Sabella at (212) 460-2661.

National Grid will be testing on December 7th. At that time, facilities with temperature-controlled accounts will be required to switch to their alternate fuel as directed by National Grid. Remember that failure to switch accompanied by failure to immediately notify National Grid and to correct the situation will result in financial penalties. For questions to National Grid, call Aaron Choo at (718) 270-5742 or Ron Angst at (516) 545-3872.

Please also refer to the DEM fact sheet on Interruptible Accounts, online at nyc.gov/energy-conservation.

Reminder: 2010-11 Heating Season Guidelines

As we are entering the heart of the heating season, DEM would like to remind agencies of the City's heating guidelines, available at nyc.gov/energy-conservation. If you haven't already, please distribute these guidelines throughout your agency, and especially to facility managers, and print and post the guidelines where your colleagues will see them. DEM is happy to provide color copies as requested. Close adherence to the heating guidelines throughout the cold season will ensure that heating costs are kept at a minimum - especially critical during this time of fiscal constraint and budget cuts.

Heating Season Guidelines are to be implemented consistent with the Health Code and Building Code, which contain provisions for temperatures in special settings such as hospitals, schools or day-care centers. Please direct any questions to energy@dcas.nyc.gov, or call (212) 669-2568.

More information on Reactive Power

As follow up to last month's meeting regarding the new Reactive Power charges, we would like to share the following article about reactive power. It explains in more detail what reactive power is and discusses some of the considerations in determining the best way to mitigate the new charges: <http://www.csemag.com/single-article/the-economics-of-improving-power-factor/866d59278b.html>

Spotlight On: Brooklyn Central Library Audit

Earlier this month, DCAS DEM in partnership with the Department of Design and Construction (DDC) and its engineering consultant Dome-Tech, Inc. completed an energy audit of the Brooklyn Public Library at 1 Grand Army Plaza. This energy audit is the first completed in partnership with DDC, and three other similar audits are currently underway. The audit process satisfies the requirements of Local Law 87, which requires periodic energy audits, retro-commissioning and retrofits of buildings that exceed 50,000 square feet.



Photo source: http://vowelmovers.files.wordpress.com/2010/06/brooklyn_public_library_sunset_jeh.jpg

The energy audit at the Central Library reviewed energy use in the four main areas of the 350,000 square foot library: the main library consisting of the two wings lining Flatbush Avenue and Eastern Parkway along with the main lobby and circulation rooms; the "decks," which are four floors of book storage located below ground; the "new wing" along Flatbush Avenue which consists mainly of office space; and the Dweck Auditorium, which consists of a lobby and auditorium used for various events. The audit identified twelve energy

conservation measures (ECMs) and eight retrocommissioning measures (RCMs) which, if implemented, could save the library a total of almost \$333,000 annually in energy costs. With a current annual energy bill of over \$730,000, this represents a 45% reduction in energy costs for the library.

The ECMs with the greatest electricity savings are optimizing computer use by time of day, upgrades to the library's lighting and the installation of lighting occupancy sensors, and the installation of new or expansion of existing building management systems, which allow for centralized operation of multiple pieces of equipment. Other recommendations include replacing restroom sink aerators, installing software that allows vending machines to power down overnight, and a steam trap maintenance program.

