

December 2011

HAPPY HOLIDAYS!

What's Inside:

- Outreach Mini-Survey – Please participate!
- Spotlight: Solar PV, Cool Roof and Lighting Upgrade at 114th Precinct

Outreach Mini-Survey – please participate!

The purpose of our outreach program is to teach and motivate behaviors that reduce energy use in City buildings. We do this by focusing our efforts on four distinct audiences: 1) agency energy teams, 2) city building users, 3) agency management and leadership, and 4) the private sector and other municipalities. To ensure we best serve these groups, we would like your input to inform updates to our outreach strategy. Please respond to this email with your answers and other suggestions by Friday 12/23/11.

1. As an Energy Team member, do you feel that you have enough information to effectively manage your agency's energy use? If not, what other information would you like to have?
2. What are the most effective ways to motivate energy-saving behaviors in your agency's facilities?
3. Does your agency's management and leadership know about the 30x17 goal, and do they exhibit leadership in this area? If not, what do you think would motivate them?
4. New York City is definitely leading the way on municipal GHG emission reductions. How can we share our story with the private sector and other municipalities?

Spotlight: Triple Threat! Solar PV, Cool Roof and Lighting Upgrade at 114th Precinct

In partnership with NYPD, DCAS Energy Management has led three complementary GHG-reduction efforts at the 114th precinct in Astoria, Queens. This month DCAS will kick off installation of a thirty seven (37) kilowatt solar photovoltaic (PV) system on the roof of the 114th precinct. This PV system is one of eight rooftop solar PV projects funded by a federal stimulus grant program administered by the New York State Energy Research and Development Authority. The PV system assembly includes several small inverters, a data acquisition system (DAS) with web-based monitoring software, a ballasted fixed angle racking system, and approximately 152 PV panels. The PV system will provide electricity to the precinct's main electrical distribution panel and will save the City an estimated \$20,000 in avoided electricity costs each year.

In 2009, the precinct's roof became one of the City's first [Cool Roofs](#). Cool or white roof coating helps lower the ambient temperature of the roof, which reduces cooling loads and will help the new PV system perform even more efficiently in the hot summer months.



The third energy-saving project is a comprehensive lighting system upgrade that will improve the quality and efficiency of lighting in locker rooms, hallways, offices, stairways, bathrooms, cells, mechanical rooms, a gym, storage spaces, the garage, and on the exterior of the building. The lighting project will cost \$182,000 and will reduce the precinct's electricity bill by \$24,000 annually. The more efficient lighting will reduce annual energy use by 181,000 kwh and GHG emissions by 64 metric tons annually.

Together, these three measures will save the City \$44,000 a year and reduce GHG emissions by 81 metric tons annually.