



Energy Savings Case Study

Property:

Greystar's Aventine at Silver Spring
13615 Colgate Way
Silver Spring, MD 20904

Date of Multi-Family BGE Quick Home Energy Check-up Service:

February 4 to February 15, 2013

"Our experience with the Maryland Multi-Family Quick Home Energy Checkup Program has allowed us an opportunity to fund cutting edge 'green' initiatives that otherwise we would not have been able to incorporate into our developments."

- Tom Spangler, Energy Manager Procurement & Sustainability, Greystar

Summary:

The Aventine at Silver Spring are a 432-unit residential building owned by Greystar. From February 4 to February 15, 2013, greenNEWit serviced the premises of Aventine at Silver Spring with a Quick Home Energy Check-up (QHEC) and installed a total of 3,246 CFL light bulbs, 801 faucet aerators and 91 showerheads in 384 units on the premises. These energy upgrades will prevent nearly 166 tons of CO2 from being released into the atmosphere; the CO2 saved is equivalent of nearly 830 trees being planted.

Type of Service:

The following actions were taken by greenNEWit energy retrofit technicians in each in-unit QHEC:

- ☑ Visually inspected HVAC systems, water heaters, appliances, windows, lighting choices, and possible health and safety issues.
- ☑ Recorded existing conditions and suggested recommendations for improvements.
- ☑ Educated residents on how to further reduce the amount of energy they use on a daily basis.
- ☑ Created instant energy savings by directly installing measures wherever standard conditions existed (i.e. replaced incandescent light bulbs with CFLs, replaced both showerheads and faucet aerators with efficient-flow alternatives.)



Electricity

Estimated Electricity Savings:
221,195 kWh



Water

Estimated Water Savings:
3,519,330 gal



Savings

Total Savings in \$:
\$47,937.97
Average Savings Per Unit in \$:
\$124.84