



## Energy Savings Case Study

### Property:

Grove at Piney Orchard  
2404 Ash Grove Ln.  
Odenton, MD 21113

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

February 25 to March 1, 2013

### Summary:

Groves at Piney Orchard apartments in Odenton, Maryland is an apartment community with two and three bedroom apartments for rent in a wooded country setting. From February 25 to March 1, 2013, greenNEWit serviced the premises of Groves at Piney Orchard with a Quick Home Energy Check-up (QHEC) and installed a total of 3,620 CFL light bulbs and three smart strips in 253 units on the premises. This is the first property smart strips were available for install. These energy upgrades will prevent nearly 116 tons of CO<sub>2</sub> from being released into the atmosphere; the CO<sub>2</sub> saved is equivalent of nearly 579 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.)



Estimated Electricity Savings

**154,280 kWh**



Total Savings in \$

**\$21,162.59**



Average Savings Per Unit in \$

**\$83.65**