



Energy Savings Case Study

Property:

Crofton Village
917 Eastham Ct.
Crofton, MD 21114

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

April 18 to April 22, 2013

Summary:

Crofton Village apartments in Crofton, Maryland has one, two and three bedroom apartments for rent. From April 18 to 22, 2013, greenNEWit serviced the premises of Crofton Village with a Quick Home Energy Check-up (QHEC) and installed a total of 2,237 CFL light bulbs, 527 faucet aerators 47 showerheads, 18 smart strips and 179 counts of pipe insulation in 208 units on the premises. These energy upgrades will prevent nearly 112 tons of CO₂ from being released into the atmosphere; the CO₂ saved is equivalent of nearly 560 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
149,670 kWh



Water

Estimated Water Savings
2,352,060 gal



Savings

Total Savings in \$
\$32,290.53
Average Savings Per Unit in \$
\$155.24