



## Energy Savings Case Study

**Name:**  
Jayaprakash Radhakrishan

**Resides:**  
Ellicott City, Maryland

**Date:**  
May 4, 2013

*"We were happy about the service. The greenNEWit associate who visited our house was very professional and helped to reduce the carbon footprints."*

- Jayaprakash Radhakrishan

### Summary:

On May 4, 2013, greenNEWit serviced the home of Jayaprakash Radhakrishan with a BGE Quick Home Energy Check-up. As part of the Empower Maryland Energy Efficiency Act of 2008, Radhakrishan was able to get energy-efficient products installed in his home at no additional cost to his regular utility bill. He received nearly \$200 worth of products and with greenNEWit, his installation was free. Through the service, he received six CFLs, one faucet aerator and one showerhead. As a result, he'll save 374 pounds of CO2 a year, the equivalent to nearly one tree 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  
212 kWh



#### Water

Estimated Water Savings  
11,680 gal



#### CO2

Estimated CO2 Savings  
374 pounds



#### Savings

Total Savings in \$  
**\$102.04**