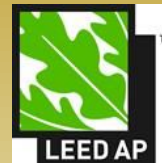


11 Home Energy Savings Tips

Senator Pinsky Town Hall Meeting
Berwyn Heights Elementary School
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presented by Valerie M Shelton, PhD
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1. Turn off lights when not in use.

****Annual Savings: \$30 and 375 lbs CO₂ emissions***

- ✓ Reduce the number of bulbs
- ✓ Lower the wattage of incandescent light bulbs
- ✓ Consider installing motion and occupancy sensors



**For leaving 3 bedroom lights off for 4 hrs between dinner and bedtime.*

2. Replace 5 incandescent light bulbs with ENERGY STAR CFL's.

****Annual Savings: \$73 and 438 lbs CO₂ emissions***

- ✓ Replace 60 to 100 watt bulbs in high use areas.
- ✓ Use dimmable CFL's in fixtures on a dimmable circuit



**For replacing five 75-watt bulbs with 20-watt compact fluorescent bulbs.*

3. Replace old refrigerator with an Energy Star model.

****Annual Savings: \$54 and 525 lbs CO₂ emissions***

- ✓ Clean the coils on your refrigerator regularly.
- ✓ Keep the refrigerator and freezer doors closed as much as possible.
- ✓ Keep the freezer full but don't stuff the refrigerator.



**For replacing a 15+ year old refrigerator.*

4. Use a clothes line or drying rack for half of your laundry.

****Annual Savings: \$42 and 411 lbs CO₂ emissions***

- ✓ Use the Energy Savings setting on your dryer.
- ✓ Use Dryer Balls to reduce drying time and for additional savings.



**For substituting air drying instead of an electric dryer for half of the time.*

5. Enable the sleep feature on your computer and monitor.

****Annual Savings: \$11 and 107 lbs CO₂ emissions***

- ✓ Screen savers on computers DON'T save electricity. Only the Sleep, Standby and Hibernate modes do.
- ✓ Turn off the computer when not in use for more than a day.



6. Replace a desktop computer with an ENERGY STAR qualified laptop.

****Annual Savings: \$20 and 114 lbs CO₂ emissions***

- ✓ Replace your CRT (cathode ray tube) monitor with LCD (flat liquid crystal display) if you can't replace with a laptop.



7. Turn down your thermostat by 8 degrees F on winter nights.

****Annual Savings: \$338 and 2,837 lbs CO₂ emissions***

Setting	Time	Set point Temperature (Heat)
Wake	6:00 a.m.	≤ 70° F
Day	8:00 a.m.	Setback at least 8° F
Evening	6:00 p.m.	≤ 70° F
Sleep	10:00 p.m.	Setback at least 8° F



8. Replace old gas furnace with an ENERGY STAR model.

****Net Life Cycle Savings: \$4,920 and 75,305 lbs CO₂ emissions***

- ✓ Plug air leaks
- ✓ Add insulation to walls, floors & ceilings
- ✓ Seal ductwork
- ✓ Perform seasonal tune-ups
- ✓ Caulk and weather-strip around doors and windows



****For replacing a 20+ year old 68 AFUE gas furnace with a 90+ AFUE furnace.***

9. Wash your clothes in cold water instead of hot.

****Annual Savings: \$38 and 366 lbs CO₂ emissions***

- ✓ Wash clothes in warm or cold water, not hot
- ✓ Rinse clothes in cold water
- ✓ Wash only full loads of clothes

**For 6 loads per week.*

10. Replace old water heater with an ENERGY STAR model.

****Annual Savings: \$115 and 1,012 lbs CO₂ emissions***

- ✓ Lower temperature to 120 °F
- ✓ Insulate hot water lines
- ✓ Reduce hot water usage with low flow shower heads and aerators



**For replacement with an ENERGY STAR gas tankless water heater.*

11. Have a comprehensive home energy assessment.

****Annual Savings: 30 – 50% of total energy bill.***



Green Power Living LLC

www.greenpowerliving.com

-Ask for Valerie Shelton



Green Homes Blue Sky LLC

www.greenhomesbluesky.com

-Ask for David Brosch

****For implementing the recommendations from a comprehensive home energy assessment.***

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 <p>1000 Watt Power Strip</p>	Energy Conservation With a Kill A Watt see what each appliance costs to run! <ul style="list-style-type: none">• Energy-Saving Power Strips• Laundry Dryerballs Saves 25%	 <p>All Purpose Cleaner</p>	Toxic Free Living Keep your home clean with non-toxic products! <ul style="list-style-type: none">• All Natural Cleaning Products• Biodegradable Sponges and Bamboo Cleaning Cloths
 <p>LED Shower Head</p>	Water Conservation Save \$4,300 with our \$133 2 Bathroom Water Conservation Kit! <ul style="list-style-type: none">• Low-Flow Shower Heads• Faucet Aerator• Toilet Tank Bank	 <p>Water Radon Detector Kit</p>	Safety & Emergency Preparedness Prepare your family for home emergencies! <ul style="list-style-type: none">• Carbon Monoxide Detector• Home Radon Detector Kit
 <p>Fountain 10-Stage Water Filter</p>	Water Purity Removes chemicals and chlorine from drinking and bathing water! <ul style="list-style-type: none">• Premium Shower & Bath Tub Filters• 10-Stage Water Filters• Filtered Portable Bottles	 <p>Stainless Steel Water Bottle</p>	Waste Reduction <ul style="list-style-type: none">• Stainless Steel Water Bottles• Soda Maker• Reusable Nylon Bags• Indoor and Outdoor Composters• Rechargeable Batteries
 <p>Green Gift Bag</p>	Green Gift Bags Have an eco-friendly gift shipped directly to the recipient with a personalized card! <ul style="list-style-type: none">• Green gifts for any occasion• "Create Your Own" Gift Bag and have any item placed in it	 <p>Carbon Offsets</p>	Carbon Footprint Offset your CO ₂ emissions! <ul style="list-style-type: none">• Available in many different options to reduce your carbon footprint• Drives Home and Flying Offsets

About the speaker:

Valerie M Shelton is a green entrepreneur, green building consultant, energy auditor and instructor. She is the founder of Green Power Living LLC, where she provided ENERGY STAR certification and consulting for the first LEED-certified home in Prince George's County, MD.

Founded in 2007, Green Power Living has provided services for local governments, Habitat for Humanity affiliates, neighborhood associations, and private clients in Maryland, the District of Columbia, and Northern Virginia.

Valerie is a RESNET-certified HERS Rater & Green Rater, a BPI-certified Building Analyst & Envelope Professional, and a LEED Accredited Professional. She serves as an adjunct faculty member at Prince George's Community College (Construction and Energy Institute).