



Volume 1, 2011

Welcome to the e-Newsletter for the Renew Penfield community.



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Sponsor



## Supervisor's Welcome



Tony LaFountain, Penfield Supervisor

As we move into 2011, I want to challenge all of our residents to look for a new way to reduce energy costs in your home and to recycle even more than you are doing today. For little to no cost we can seal up cracks around windows and doors, take shorter showers, use warm or cold water for laundry, and reduce the thermostat by a few degrees. Additionally, the County of Monroe has updated their curbside recycling program to include more materials to be picked up; a copy of that brochure is available [here](#) and on the Renew Penfield website. Our family continues to look for the little things to reduce energy cost and to be better recyclers, you would be amazed at what you can do and save with very little effort...and every little bit helps!

## Did You Know?

### Raise Your Energy IQ



"Energy Vampires" are the standby energy used by some products when they are turned off but still uses power from a wall outlet while not providing any useful functions such as remote control and clock displays. These "Energy Vampires" are slowly sucking energy from your home!

According to ENERGY STAR, an average U.S. household spends \$100 per year to power devices while they are off (or in standby mode).



You can slay the energy vampires by (1) look for ENERGY STAR products; (2) Use power saver mode when available; (3) Use a power strip as a central "turn off" point and (4) unplug chargers for cell phones, battery chargers, when not in use.

## Pass it On!

Help RenewPenfield reach as many residents as possible by forwarding this email to your Penfield neighbors, friends and family - encourage them to sign-up for the RenewPenfield email-newsletter. They only need to provide an email address in the Sign-Up form.

Yes, I want to become a member of the RenewPenfield mailing list.

Enter your e-mail address:

Please confirm your e-mail address:

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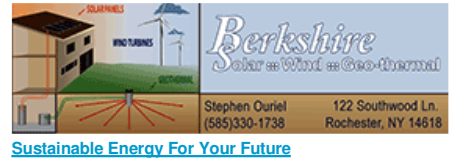
[A Home Performance Contractor Serving the Community](#)



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[Guarantee to save money on your Utility Bill!](#)



[Save Energy & Save Money](#)  
Free Home Improvements!

Contact Hawn for a Free Whole House Assessment. Find out how much in Home Performance with ENERGY STAR® Program savings you can use toward a new Carrier System.

"Make the Wise Choice" Wise Home Energy. Only contractors accredited by the Building Performance Institute (BPI) can offer the Home Performance with ENERGY STAR® Program.

### Penfield Hosted "EmPower New York" Energy Efficiency Workshop

The Town of Penfield's Energy & Environmental Advisory Committee and Town Board hosted an "EmPower New York" Energy Efficiency Workshop for its residents on January 15. The program was sponsored by the New York State Energy Research and Development Authority (NYSERDA) and developed by Cornell Cooperative Extension and NYSERDA.

Local experts, led by sustainability expert Kimie Romeo, shared tips on low-cost and no-cost ways for residents to save energy and reduce energy bills. Participants learned about programs that can help qualifying households afford energy-efficiency improvements with subsidies, low-interest loans, and free services. They also received a free package of energy saving items including an electrical outlet insulating kit, weather stripping, flexible caulk strips and CFLs.

Supervisor Tony LaFountain, chair of the Energy & Environmental Advisory Committee, said, "About 50 people joined us on a snowy Saturday morning to learn practical, low-cost ideas for reducing home energy consumption. The dialog between our presenters and residents was lively and informative, and I think most participants left with very do-able action items for their own homes. We look forward to presenting more workshops like this in 2011."

Many thanks to Kimie Romeo, Lee Loomis, NYSERDA, Cornell Cooperative Extension, and all who participated.

PCTV recorded the program; it will be re-broadcast on PCTV 12 and posted for viewing/download at [www.Penfield.org](http://www.Penfield.org)

To learn the location of other workshops visit <http://ccetompkins.org/energy/empower-ny-workshops>

The workshop was made possible by the center for Environmental Information. "EmPower New York" workshops are sponsored by the New York State Energy Research and Development Authority (NYSERDA) and developed by Cornell Cooperative Extension and NYSERDA.



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### How to Handle Broken and Burned Out Compact Fluorescent Light (CFL) Bulbs?

ENERGY STAR qualified CFLs use up to 75 percent less electricity than incandescent light bulbs, last up to 10 times longer, cost little up front, and provide a quick return on the the additional cost of the CFL bulb over incandescent bulb.



CFLs contain a very small amount of mercury sealed within the glass tubing – an average of 4 milligrams (mg). By comparison, older thermometers contain about 500 milligrams of mercury – an amount equal to the mercury in 125 CFLs. Mercury is an essential part of CFLs; it allows the bulb to be an efficient light source. No mercury is released when the bulbs are intact (not broken) or in use.



Electricity use is the main source of mercury emissions in the U.S. CFLs use less electricity than incandescent lights, meaning CFLs reduce the amount of mercury into the environment. **The Environmental Protection Agency (EPA) recommends that CFLs are recycled where possible, to further maximize mercury savings by avoiding CFLs in landfills.**

[Click here for a list of CFL Recycling Centers in Monroe County](#)

CFLs are made of glass and can break if dropped or roughly handled. Be careful when removing the bulb from its packaging, installing it, or replacing it. Always screw and unscrew the light bulb by its base (not the glass), and never forcefully twist the CFL into a light socket.



Fluorescent light bulbs contain a small amount of mercury sealed within the glass tubing. When a fluorescent bulb breaks in your home, some of this mercury is released as mercury vapor. **To minimize exposure to mercury vapor, EPA recommends that residents follow cleanup and disposal steps.** A cleanup overview is described below; please visit [epa.gov/cfl/cflcleanup.html](http://epa.gov/cfl/cflcleanup.html) for more information.

The most important steps to reduce exposure to mercury vapor from a broken bulb are:

**1. Before cleanup**

- a. Have people and pets leave the room.
- b. Air out the room for 5-10 minutes by opening a window or door to the outdoor environment.
- c. Shut off the central forced air heating/air conditioning (H&AC) system, if you have one.
- d. Collect materials needed to clean up broken bulb.

**2. During cleanup**

- a. Be thorough in collecting broken glass and visible powder.
- b. Place cleanup materials in a sealable container.

**3. After cleanup**

- a. Promptly place all bulb debris and cleanup materials outdoors in a trash container or protected area until materials can be disposed of properly. Avoid leaving any bulb fragments or cleanup materials indoors.
- b. For several hours, continue to air out the room where the bulb was broken and leave the H&AC system shut off.

Additional information is available on [www.RenewPenfield.org](http://www.RenewPenfield.org).

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**Comparison of New York State Energy Upgrade Financing Programs**

Most Monroe County households are eligible for a free or reduced cost residential energy audit, through the GREEN JOBS GREEN NEW YORK program.



A free energy audit is available for Monroe County residents with annual household income less than \$133,200 and not already received a free/reduced cost audit. A reduced cost energy audit is available for annual household income greater than \$133,200 but less than \$266,400.

The GREEN JOBS GREEN NEW YORK program is administered by NYSERDA (New York State Energy Research and Development Authority). Please visit [NYSERDA's program website](#) for more information on the program's free/reduced cost energy audit and financing program.

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**Should You Consider "LED" Lights?**



On the horizon and constantly improving are solid-state lights made of "Light Emitting Diodes" or LEDs. LED lights are already widely used in low-power flat screen TVs, holiday and decorative lights, and emergency lights in commercial buildings. LEDs are also beginning to be used in street lights, traffic lights and in certain interior lighting applications.

You can buy LED replacements for incandescent bulbs today in many different configurations. However, they are comparatively expensive and some may not perform very well. Source: U.S Energy Information Administration



You should look for LED products registered with the "Lighting Facts" program of the U.S. Department of Energy (DOE), and that have a "[Lighting Facts Label](#)" on the package before purchase.



Learn more about where LED lights should be considered:

- ▣ [Promising LED applications](#)



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**Small Business Increases Bottom Line with Energy Efficiency**

Small businesses are an underserved and hard to reach market for energy efficiency services. Many small businesses do not have the time or manpower to understand the benefits of energy efficiency. Consequently, most rely on their local contractors for recommendations. Many small businesses only interact with a contractor at times of emergencies, and some contractors don't offers planning services to reflect the benefits of energy efficiency improvements.

Small businesses, particularly the very smallest, can increase their bottom line by lowering utility costs. In this economy the difference can be posting a profit or a loss. Too many small businesses are not aware of the



opportunities to take advantage of incentives and programs designed especially for smaller commercial utility customers. One such a program is the Small Business Energy Efficiency Program offered by RG&E and NYSEG.

In commercial buildings and non-industrial facilities where many small businesses operate, electricity consumed by the lights can account for a significant portion of the utility cost - responsible for over 20% of the electricity bills. Many small businesses have concerns with the perceived high cost to upgrade to more efficient lights, or that the only way to save is to dimmed or eliminate lighting fixtures. These inaccurate perceptions are preventing too many small businesses to doing something that can improve their situation.



The RG&E and NYSEG Small Business Energy Efficiency Program offers their respective commercial customers with monthly demand less than 100 kilowatts a free energy assessment of their facility and installation of lighting upgrades identified by the energy assessment. The small business customers receives clear energy savings opportunities from the free energy assessment. If retrofitting lights is one of the identified energy savings opportunities, NYSEG and RG&E cover 70% of the cost of the recommended upgrades.

This direct install program includes retrofitting linear fluorescent fixtures with higher efficiency lamps and ballasts; exit signs to LED lighting; occupancy sensors; and incandescent bulbs with compact fluorescent lamps (CFLs). This is a great opportunity for RG&E and NYSEG small business customers to save on their energy costs using a professionally performed free energy assessment and to make informed, bottom-line business decisions based on clearly quantified information.

To learn more about the RG&E and NYSEG Small Business Energy Efficiency Program, please visit the "[BUY GREEN](#)" page or by calling EnerPath, the contractor hired by RG&E and NYSEG to administer the program, at **877-359-9814**. More information is also available on the NYSEG or RG&E websites:

For NYSEG customers, click [here](#) to learn more about your eligibility and how to get started.

For RG&E customers, click [here](#) to learn more about your eligibility and how to get started.

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