

PLEASE SUPPORT THE INTERFAITH COALITION ON ENERGY



There are a number of reasons to support our work:

- Perhaps you want to support an energy conservation organization that has been working in your best economic interests since 1980.
- Maybe one of our articles or a phone conversation saved your congregation money.
- Your contribution is tax-deductible.
- We are supported only by congregations and denominations, not by foundations, corporations, utilities, or governments... just you.

Whatever your reasons, please send ICE a check so that we may continue to serve.

ICE, 7217 Oak Avenue, Melrose Park, PA 19027

Thanks ICE

www.interfaithenergy.com

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PLEASE ROUTE TO:
☐ Building and Grounds Chairperson
☐ Congregation President
☐ Treasurer
☐ Clergy

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A Newsletter from the Interfaith
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Volume 109 • Winter 2012

Comfort & Light



The Metropolitan Christian Council of Philadelphia



The Board of Rabbis of Greater Philadelphia



The American Jewish Committee Philadelphia Chapter

The Archdiocese of Philadelphia

We are 32 years old!

The Interfaith Coalition on Energy (ICE) is a non-profit organization that started in 1980. Since then, we have sent this newsletter to about 6,100 congregations within a 50-mile radius of Philadelphia's City Hall. We have also negotiated utility rates, developed an energy use database and done energy audits for thousands of buildings.

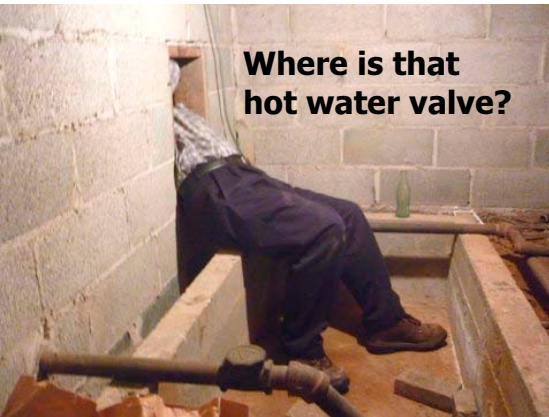


ICE workshop

We are supported only by congregations and denominations

Only people of faith fund our work – not utilities, governments, corporations or foundations. ICE helps congregations reduce their energy use and cost through this newsletter, workshops, publications and consulting. See our website www.interfaithenergy.com for more information.

We specialize only in buildings owned by congregations



Where is that hot water valve?

As part of our energy surveys, we rate your use of electricity and fuel compared to averages from similar buildings in and around Philadelphia. We measure the efficiency of your heating system, when possible. We measure the electricity used by refrigerators, freezers, ice machines, vending machines, etc. Based on what we measure and observe, we write a report that describes your facility and makes recommendations to lower your energy cost.

What does our survey cost?

Our prices are lower than you can get from professional engineering firms and more comprehensive than those of non-engineering firms. We know that every dollar we charge comes from a congregation member. The cost of a survey is based on our time and expenses, and varies according to the number of your buildings and their complexity. We don't charge congregations for gathering some initial data and submitting a fixed-price proposal.

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What you can do to lower billing demand

Most residential electric accounts bill only for electric usage, measured in kilowatthours (kWh). Unlike your residential electric account, commercial accounts usually include demand, which is the maximum number of kilowatthours used per hour during a billing period. Demand is measured in kilowatts (kW). If you turn everything on at once, you set a high demand.

(Continued on Page 2)

When you lower the kW in your electric bill, you also lower how much you pay the utility. Most congregations benefit from changing to an off-peak electric rate. For example, PECO Energy has a Night Service Rider. The on-peak hours are 8am to 8pm Monday through Thursday and 8am



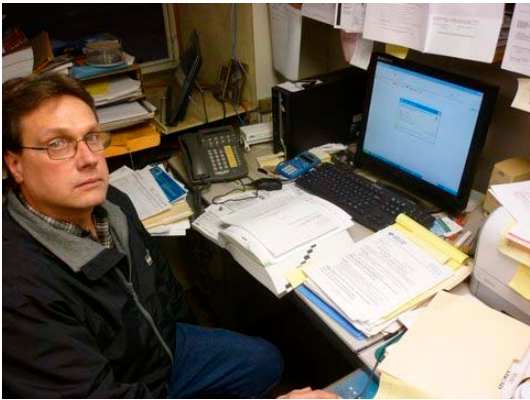
to 4pm on Friday. Major holidays and weekends are off peak for all hours day and night. If you are not certain if you are already on an off-peak rate, you can fax us an invoice from your utility and we can give you our opinion.

Whether or not you change to an off-peak electric rate, there are electric loads that you can move to times when they are not likely to be added to the daytime demand of your building. Here is a partial list:

- Install timers on ice machines, dehumidifiers, electric water heaters, electric kilns, and condensate evaporators on large kitchen refrigeration equipment.
- Interlock air conditioning compressors so that they cannot operate coincidentally
- Precool the worship space and social halls during off-peak periods

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Two of our success stories...



The Germantown Friends School

In 1992-93, ICE did a survey of the more than dozen buildings at the Germantown Friends School. They did a lighting retrofit and automated temperature controls. In 2011, we again gathered the utility and fuel data for the School to find out that they were saving about \$41,000 per year. Their facility manager Nick Dobrowolski managed these improvements.

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Har Zion Temple

A few years ago, Har Zion in Penn Valley replaced its rooftop heating and cooling units during a major renovation. They were stuck with a complicated energy management system they could not control. We advised them to abandon the system and to use individual programmable thermostats. We also advised them on a lighting retrofit. In 2008-09, the Temple used 1,115,000 kilowatthours of electricity and 26,343 CCF of natural gas. Last year, they used 975,000 kWh and 21,210 CCF, also saving about \$41,000.



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What you can turn off

- Add timers to photocell-controlled lights so they are not on all night
- Disconnect lights and ballasts in vending machines
- Adjust power settings on computers and peripherals
- Consolidate refrigerated appliances. Clean and turn off ones that are not needed.
- Time condensate evaporators
- Replace coffee warmers with carafes
- Use vacancy sensors for lighting. Unlike an occupancy sensor, you must manually turn on the lights, and they turn off automatically.
- Turn off heating pilot lights in non-heating months
- Close off unused rooms by drawing shades, closing doors and covering radiators.
- Cover overheating radiators/convectors
- Use one of multiple boilers piped in parallel
- Don't operate ceiling fans during the winter



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From ICE enthusiasts:



***We wish you were in Pittsburgh!**
Jack Schmidt – St. Sebastian Catholic Parish

***ICE is simply the best in the business.**
Don Kane – Main Line Unitarian Church

***Thanks very much for the thorough and excellent work.**
Rev. Hentzi Elec – St. Alban's Episcopal Church,
Newtown Square

***Andy Rudin is the true fountain of information on this subject and will be the most helpful to you I suspect. Andy has audited more than a thousand religious and non-profit facilities....**
Michael Kriegh, Architect – Pratt Center for
Community Development

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