

THE



HERALD

Comfort today. Energy for tomorrow.

Since 1984

Fall 2012

Your One Source For Plumbing, Heating, Air Conditioning & Electrical Service



What happens when you have no heat at 4:00 on a freezing morning? Or your sink leaks at 8:00?

If you call Halco, you can be sure that an experienced technician will come and fix the problem. He is probably your neighbor since our technicians live in the communities we serve. That cuts down on travel time.

We were founded 28 years ago on a foundation of the most professional, timely and affordable plumbing, heating and air conditioning service. And, we have not wavered from that commitment.



Had we not remained true to our calling, we would not have grown to the size we are today.

With so much of today's heating and air conditioning technology being electrical, as well as mechanical, having an electrical division is an advantage for you. In addition to providing electrical expertise to furnace and air conditioner installation and service, our highly trained and licensed electricians also provide full service electrical work from completely new wiring for home additions to wiring upgrades to your home.



Halco is truly your one source for all essential systems in your home!

Size does matter. Our size allows us to staff our office seven days a week from 7:00 AM until 9:00 PM, and not charge overtime during those hours. It also allows us to provide our technicians with more training than smaller companies. Many of our technicians hold one or more NATE certifications.

Next time you need plumbing, heating, A/C or electrical service, the only call you have to make is to Halco any time, any day.



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



ACCREDITED CONTRACTOR

SEVEN DAYS TIL NINE – WITH NO OVERTIME

CNY Couple Achieves Net Zero



Shirley and Steve Eadline and friend.



Solar system control panel.



The geothermal overflow tank and heat pumps.



Solar panels.



Geothermal water heaters and hydronic boilers systems.

Steve and Shirley Eadline have achieved net zero with solar power and a geothermal comfort system in their 6,000 square foot New Hartford home.

New Hartford is a suburb of Utica, where Dr. Stephen Eadline is a pediatrician. Shirley Eadline is a retired Air Force pilot who now owns a specialized landscape company.

The environmentally-conscious couple contacted Halco for a home performance energy audit. From this audit, they decided that they wanted to achieve “Net Zero.”

Net zero means that the onsite systems generate all of the energy the Eadlines need on an annual basis, both for electricity and heating/cooling their home. This doesn’t mean that the solar system always generates enough power to meet the family’s needs. Sometimes, electricity is purchased from the utility grid. During periods when the sun is bright and the family’s electricity demands are low, they sell power back to the grid. When they sell back as much as they buy, that is net zero.

The Eadline’s net zero achievement also includes non-dependence on gas from the utility. They heat and cool their home and heat water with two geothermal

The solar system is a 37 kW. Nine poles holding 18 solar panels each is in the field next to the house. The controls are mounted on a basement wall, and the Eadlines can monitor their power generation activity on the Internet.

The geothermal installation has two four-ton direct exchange units in which environment-friendly refrigerant circulates through underground tubes. The refrigerant absorbs the earth’s heat or carries the home’s heat away. A heat pump uses the heat from the system or cools the house by exchanging the home’s heat for the ground-cooled temperatures. The heat pumps are powered by the solar power system.

One unit heats the in-floor radiant heat on the first floor. This unit is also a forced air system for supplementary heating in winter and for cooling in summer. The second unit provides forced air heat and cooling to the second floor.

The project was completed in April and put into operation in May, so the Eadlines have not had a full season to determine whether they have actually met their goal of net zero. However, the system is designed to generate 100 percent of the family’s power needs.



The solar panel tilt can be adjusted seasonally to follow the sun’s angle in the sky.



Solar Quenches Thirsty Owl's Thirst For Electric Power



The scene as you approach the Thirsty Owl. Note the solar panels on the winemaking building.

Ol' Sol helps make wine in more ways than one at the Thirsty Owl. This 150 acre winery, midway down the west side of Cayuga Lake, is only about 10 years old, but has already made its mark on the Finger Lakes wine scene. Now, the Thirsty Owl is making its mark on the Finger Lakes environment as well.

The Thirsty Owl, owned by the Cupp family, is in its second generation of family management. President Jon Cupp, the founder's son, looked for ways to reduce expenses while maintaining the

winery's award-winning quality. Halco helped by designing and installing a solar power system.

The 50kW solar power system is one of the largest that Halco has designed and installed. Melissa Kemp, manager of our renewable division, notes that the system is currently designed to supply around 70% of the winery's electrical power needs

All of the solar panels are mounted on building roofs. The wine production



A closer view of the tasting and bistro building.



A closer view of the winery building.

building has panels on its roof that are capable of generating 35 kW. The remaining 15 kW's are supplied by panels on the roof of the building housing the tasting room, bistro and offices.

If you are planning a Finger Lakes wine tour, be sure to include the Thirsty Owl. It is on Route 89 in the town of Ovid. It is one of the few wineries in which you will see how environmentally responsible electricity is made right along side award winning wines.

Home Energy Audits Your Best Bargain

Imagine finding out exactly how and where you are wasting energy, and it won't cost you a penny for that information. When you call us to do a home energy audit, we are paid as energy consultants by the Regional Greenhouse Gas Initiative Auction fund.

As consultants, our job is to check every possible place in your home where you can be wasting energy. We then show you where this leakage is occurring and recommend various ways in which you can stop those leaks and the energy waste that accompanies them. What you do next is your decision.

Not every contractor can perform these audits. They must be accredited by the

Building Performance Institute (BPI). We have the knowledge, special training, test instruments and software to show you exactly where your home is wasting energy.

Halco is so committed to this process that we have 20 full time BPI certified energy advisors – more than any other contractor in New York State. This means that we can schedule a home energy audit for you within days of your call, not weeks.

NYSERDA (New York State Energy Research & Development Authority) recognized our outstanding work in home energy performance by honoring us as Top Contractor of 2011 from among the 300 participating contractors.

Knowing exactly where your house is

leaking, and eliminating those leaks can also help improve your family's health, especially allergies. A tight house reduces allergens like pollen from trees, grasses and other outside plants, as well as other environmental allergens.

With days getting shorter and temperatures cooling down, there isn't a lot of time before fall arrives and evolves into winter. Don't wait until you feel the cold inside your house and the energy bill skyrockets. Put the money you have paid your utilities for energy savings programs to work for you. Call now for a home energy audit. Receive the benefit you have already paid for and reduce your energy use by up to 40 percent.



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865 County Road 6
Phelps, New York 14532

**Growing To Serve
You Better**

Where We Are

Call any of our local phone numbers listed below and a real, live person will answer 24/7, and will dispatch a service or installation team, quickly from right nearby.

Phelps

(O) 315.946.6200
(F) 315.946.6676
800.533.3367



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Binghamton	607.724.3802	Owego	607.724.3802
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Corning	607.248.9009	Rochester	585.271.4330
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