
GHR Consulting Services, Inc.

Funding for Residential Alternative Energy and Energy Efficiency Projects

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Residential Alternative Energy & Energy Efficiency Funding Programs

- Federal Tax Credits
- Pennsylvania Tax Credits
- Pennsylvania Grants and Loans
- PECO Incentives
- The Hilbert's Geothermal Project

Fed. Tax Credits: Energy Efficiency

Tax credits are available at 30% of the cost, up to \$1,500, in 2009 & 2010 (for existing homes only) for:

- Windows and Doors
- Insulation (batting or blown-in)
- Roofs (Metal and Asphalt)
- HVAC
- Water Heaters (non-solar)
- Biomass Stoves

Each homeowner may apply for no more than \$1,500 in tax credits per year

Fed. Tax Credits: Energy Efficiency

Tax credits are available at 30% of the cost, with no upper limit through 2016 (for existing homes & new construction, including second homes) for:

- Geothermal Heat Pumps
- Solar Panels
- Solar Water Heaters
- Small Wind Energy Systems
- Fuel Cells

Installation Costs

Installation costs up to \$1,500 ARE COVERED for:

- HVAC (heating, ventilation and air conditioning) systems
- Biomass Stoves
- Non-Solar Water Heaters

Installation costs with no upper limit ARE COVERED for:

- Solar Panels and Solar Water Heaters
- Geothermal Heat Pumps
- Wind Energy Systems
- Fuel Cells

Installation Costs

Installation costs are NOT covered by the tax credit for:

- Windows
- Doors
- Insulation
- Roofs

For more information, search the web for “Energy Star Tax Credits.”

PA Tax Credits: *Alternative Energy*

Alternative Energy Production Tax Credit

Tax credits may be available at 15% of the cost through 2016 (for existing homes only):

- Pennsylvania taxpayers are eligible
- Solar, both voltaic and thermal
- wind & hydro power projects
- Geothermal
- Credit may be carried forward 5 years
- Now closed, pending reauthorization

PA Incentives: Home Efficiency

High Performance Building Program

Grants and loan funds to underwrite the cost premiums associated with the design and construction or major renovation of high performance buildings

- Buildings must meet LEED Gold Standard
- 10% of the total eligible building construction/renovation costs
- Includes most equipment associated with energy efficiency or alternative energy

Keystone HELP Program

- Special, low interest rates locked in for the life of the loan
- Longer terms and lower rates than typically available
- No penalty for pre-payment
- From \$1,000 to \$15,000: 5.99% to 6.99%; 3, 5 or 10 year term
- Up to \$35,000: 3.875% to 6.375%; 10, 15 or 20 year term
- Eligible improvements must be installed by one of 1,600 Keystone HELP Approved Contractors in Pennsylvania.
- Qualifying homeowners can get a \$325 cash energy audit credit for energy-saving "whole house" improvements performed by a Keystone HELP Trained or Certified Contractor implementing the recommendations of a Certified Auditor who has conducted a comprehensive energy audit of your home.

PA Sunshine Solar Program

- Includes solar voltaic and solar hot water
- Must select an approved installer
- Must be at a primary residence
- Systems sized between 1kW and 10kW
- Pays \$2.25 per watt
- Typically covers 30% of installed cost
- Solar hot water rebates are capped at \$2,000

PECO Rebates and Incentives

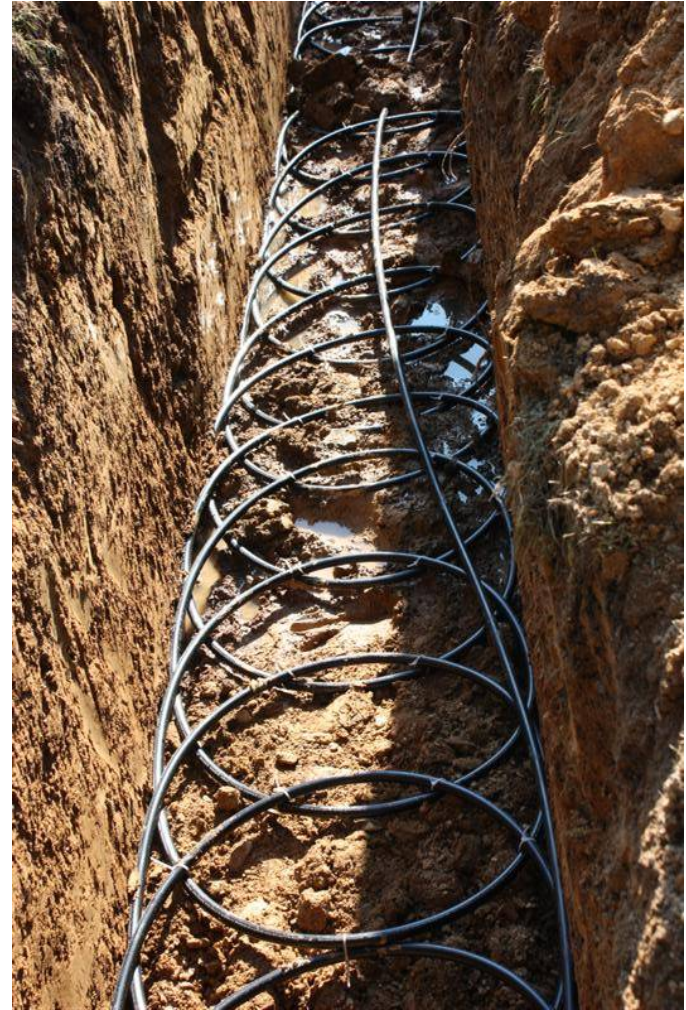
- \$300 rebate for new HE gas furnace or boiler
- \$50 rebate for new HE gas water heater
- \$200 incentive for gas conversion from oil, etc.
- \$800 heat pump rebate to installing contractor
- Reduced electric rate is available for heating your home with electric
- After first 600kWh, rate decreases 50% between October and May

The Hilbert's Geothermal Project

- 30% federal tax credit
- 15% PA tax credit
- \$800 PECO rebate to contractor
- Reduced electric rate for heating season

- \$30,000 installed cost
- \$14,300 tax credits plus rebate
- \$2,000 energy savings
- Instantaneous to 7 year payback

The Hilbert's Geothermal Project



The Hilbert's Geothermal Project

