



Katie and John's Renewable Energy Garden

**GEOHERMAL, HEAT PUMP HOT WATER HEATER, INSULATION,
AND MORE**



“ My husband and I are really concerned about climate change, and want to do what makes sense for us to cut our carbon footprint, and when we started looking at geothermal, we realized it actually made a whole lot of sense. ” -Katie Alberte, Ossining

YEAR: 1958

BEDROOMS/BATHS: 4 BR/1 BA

STYLE: CAPE COD

HEAT SOURCE: GAS FURNACE

SQUARE FEET: 1,200

CONTRACTOR: DANDELION ENERGY

FOSSIL FUEL SAVINGS: 76%*

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Katie Alberte and John Bell have a long history of making their Ossining home as sustainable as possible, from installing energy efficient insulation to cultivating a fruit and vegetable garden in their backyard. So when their air conditioning compressor began to break down last year, they knew it was time to make another eco-friendly upgrade. Katie scheduled a home energy assessment with Dandelion Geothermal, who helped them to install new geothermal heating and cooling systems.

The couple also decided to install a new heat pump hot water heater, with Bell Heating and Cooling, as well as solar panels to power their home. With the help of government incentives and tax credits, Katie and John ended up paying less than half of the original price for the entire project. Today, the couple's new systems have drastically lowered their energy bills and their fossil fuel emissions, making their home more efficient and comfortable than ever.

HOMEOWNER CONCERNS

- Uncomfortable & inconsistent temperatures
- AC compressor needs replacement
- High utility costs
- Burning fossil fuels

IMPROVEMENTS COMPLETED

- Geothermal heat pump
- Heat pump hot water heater
- Air sealing
- Insulation
- Solar panels on the roof
- Central air conditioning

BENEFITS & IMPACT

- **A More Comfortable Home:** Gone are the drafts and sleeping with hats in the winter!
- **Less Energy Use:** Katie and John are staying home more and using less energy.
- **Reclaiming the Yard:** As avid gardeners, their yard is growing beautifully over the geothermal system!
- **Peace of Mind:** Their carbon footprint has been significantly reduced. That is climate action!



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*Estimated savings based upon based upon available energy usage data