

**FOSSIL-FREE HEATING AND COOLING AT THE THE THIELKING FAMILY  
COTTAGE**

**INSULATION AND AN AIR SOURCE HEAT PUMP**



“ We've been enjoying the benefits of a whole house heat pump for over 16 years.  
A/C, clean heat and no more oil, smoke, and smell. ”

-Mark Thielking, Katonah

YEAR: 1920

BEDROOMS/BATHS: 2BR/1BA

STYLE: DUTCH COLONIAL

HEAT SOURCE: OIL

SQUARE FEET: 1,000

CONTRACTOR: PHOENIX

**LOW MAINTENANCE ENERGY  
EFFICIENCY & SAVINGS**

## THE THIELKING FAMILY COTTAGE IS 100% FOSSIL FUEL FREE

Mark is the Town of Bedford's Energy Director, so it's no surprise that his home is as energy efficient as possible. The cottage has been insulated for many years and is heated and cooled by a whole-house air source heat pump.

After 16 years of providing efficient heating and cooling, it was time for a new heat pump in the cottage. Mark worked with Phoenix Mechanical Corp to do the installation.

The air source heat pump provides fossil-fuel free heating and cooling because it is powered by 100% renewable electricity through Westchester Power, a program of Sustainable Westchester.

### HOMEOWNER CONCERNS

- No air conditioning
- No insulation
- Burning a lot of oil just to keep warm

### IMPROVEMENTS COMPLETED

- Air Source Heat Pump - upgraded to a more efficient whole home system
- Home energy efficiency
- Installed insulation throughout the cottage
- Garden

### BENEFITS & IMPACT

- Cozier: Heat pumps provide quiet, even heating and cooling. No more listening to the furnace turn on and off in the wintertime or dealing with uneven temperatures created by the window A/C unit.
- Easier: Heat pumps last longer than conventional furnaces and A/C units and require minimal maintenance.
- Healthier & Safer: There is no combustion of fuel, no fuel storage nor carbon monoxide emissions associated with heat pumps.



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