

21st Century Technology in Rebecca's Historic Home

INSULATION, AIR SEALING, AND OTHER ENERGY EFFICIENCY IMPROVEMENTS



“ We didn't realize that we had those air leaks, so that was a motivating factor for us in doing the project [...] Between the air leaks and the heat loss, it was obvious to us that we were going to need to do something. ”

-Rebecca Oling, Rye Brook

YEAR: 1941

BEDROOMS/BATHS: 3 BR/2.5 BA

STYLE: BRICK RANCH

HEAT SOURCE: OIL BOILER/STEAM HEAT

SQUARE FEET: 1,886

CONTRACTOR: NY ENERGY CONSERVATION
PHOENIX MECHANICAL

**ENERGY & COST SAVINGS,
AND IMPROVED COMFORT**

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Rebecca Oling's 1940s-era Rye Brook home is full of historic character, from its glass-block windows and corner entrance to its charming brick exterior. But when a home energy assessment revealed that these historic features were actually costing the Olings in heating bills due to improper insulation, Rebecca knew that making energy efficiency upgrades was a must.

With the help of her contractors, Rebecca was able to install proper insulation and new energy-efficient lighting without sacrificing the character of the home. More recently, the Olings have built an addition onto their home, maintaining energy-efficient insulation throughout, and have installed solar panels. Rebecca's heating bills have plummeted since combining these home energy solutions, showing just how much homeowners can save in the long run from these investments.

HOMEOWNER CONCERNS

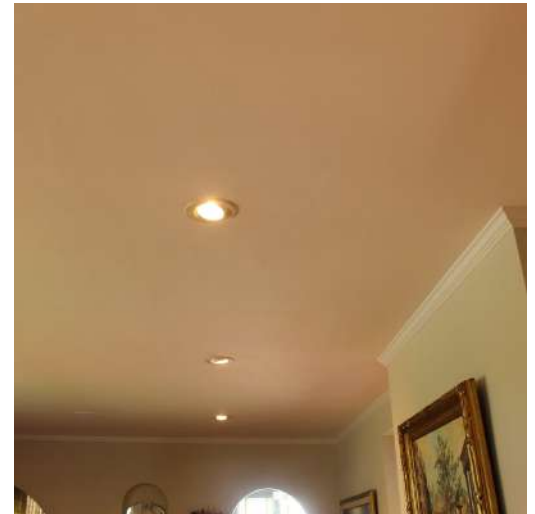
- Loss of heat through the uninsulated high hats
- Cold drafts throughout the house
- Uneven room temperatures
- Extremely high heating bills

IMPROVEMENTS COMPLETED

- Insulated exterior walls with R-13* cellulose insulation
- Insulated attic floor with R-32 cellulose insulation
- Air sealed the house to reduce overall air leakage of heated area from 2800 CFM50 to 2400 CFM50
- Replaced 13 existing incandescent light bulbs with 13 new 15-watt fluorescent bulbs
- Replaced clothes washer with EnergyStar unit

BENEFITS & IMPACT

- Cold drafts have been eliminated
- Even room temperatures throughout the home
- Savings from lower heating bills



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