



Home Performance with ENERGY STAR®

New Jersey Residents Benefit from Lower Energy Bills

PROJECT INFORMATION

Program Name

- Home Performance with ENERGY STAR

Customer

- Robert Hoffmann

Location

- Franklin Lakes, NJ

About the Home

- 2,152 square feet

Installed Measures

- Central air conditioning
- Gas furnace
- Gas water heater
- Air sealing
- Cellulose insulation in garage and inside exhaust to exterior
- Low density foam in attic and rim joist area

Project Cost

- \$17,093

NJCEP Incentives

- \$5,000 incentive
- \$10,000 0% interest loan

PROJECT SAVINGS

Estimated Total Energy Savings

- 25.7%

Estimated Annual Savings

- \$700 on utility bills
- 1200 kWh
- 340 therms natural gas

Estimated Annual Emission Reductions

- 5,797 pounds of carbon dioxide eliminated

Environmental Benefits

- The annual savings are equivalent to the carbon dioxide emissions from approximately 300 gallons of gasoline consumed.



Homeowners, Bob and Paula Hoffmann

“Every homeowner should participate in this program. It saves energy and money, and provides peace of mind. Each homeowner who participates is helping New Jersey and the United States become energy self-sufficient. We are helping save the environment. That’s a great lesson and legacy to pass along.”

Bob Hoffmann,
homeowner

Challenge

Bob and Paula Hoffmann have lived in their 1957 split-level home for ten years and had already put insulation in the attic, walls, ceiling and floors. They knew the furnace (from the 1970’s) and central air conditioning (from 1981) likely needed an upgrade. The home was losing heat from the basement, both in the rim joist area and air leaks in the ductwork. Heat that should have been reaching the bedrooms was venting into the basement, making the basement warm, but the bedrooms cold!

As the former Borough Administrator for Westwood, Bob had implemented energy efficiency initiatives through the Local Government Energy Audit Program and reduced the municipality’s carbon footprint by 10%. Having witnessed what Westwood accomplished, he knew that the same type of results could be achieved at home.

Bob had learned about the program from one of his colleagues, Marlena Schmid, when he saw her being interviewed on a local New Jersey television station about her experience with the Home Performance with ENERGY STAR Program. After speaking with Marlena, Bob learned that her home was now completely draft-free and far more comfortable. He wanted to take advantage of this great opportunity, so he began calling contractors.

What is Home Performance with ENERGY STAR?

Home Performance with ENERGY STAR offers whole house solutions to improve comfort and reduce energy costs by up to 30%. To get started, a Building Performance Institute contractor performs a home assessment to identify energy efficient recommendations. Attractive incentives and zero interest financing are available to help pay for the upgrades.

Solution

An extensive array of energy efficient upgrades were installed, including a new central air conditioner, a new furnace and a new water heater, plus insulation in the attic, basement, garage, rim joist area and exterior. As a result, he says, the house is much quieter, and energy use and utility bills have been reduced substantially.

For six of the seven months after the energy improvements were made, Bob said he averaged a 42.63% reduction in his electric energy consumption compared to the same months of the previous year – that’s nearly half!