

RESIDENTIAL ENERGY SOLUTIONS

HOME ENERGY SOLUTIONSSM INCOME ELIGIBLE CASE STUDY:

Susan Weretelnik
Waterbury, CT

"I am so ecstatic! There is no way I would have been able to afford any of this on my own. I would've bought the less efficient, cheaper products on the market and even that would've been a financial burden," said **Susan Weretelnik, homeowner**. "Thank you Eversource and BantamWesson. I am forever grateful."

Background

Budgeting for home repairs on a fixed income can be stressful especially for senior adults. After years of spending money on DIY solutions and still dealing with drafty doors and windows, Susan Weretelnik of Waterbury, Connecticut had had enough. She wanted to be able to walk around her 1,024 square foot condominium comfortably during the frigid winter months.

Upon receiving a mailer about the Energize Connecticut Home Energy Solutions – Income Eligible program provided by Eversource, she decided to apply and was approved. Susan was then connected with Eversource-approved contractor, BantamWesson, to get the project started.

Goal

Susan's primary goal for her 1988 condo was to ensure comfort of her home. After Susan's application was approved, she worked with BantamWesson to schedule a no-cost Home Energy Solutions – Income Eligible visit. Upon completing the home energy performance assessment, the contractor identified a hole in the basement and the need for additional insulation, a new water heater, and windows.

Outcome

Later that month, the basement hole was patched, and insulation was added to essential areas of the condo, including 515 square feet of attic floor insulation and 502 square feet of basement ceiling insulation. An energy-efficient heat pump water heater was installed to replace Susan's 15-year-old inefficient electric water heater.

Heat pump water heaters efficiently heat and cool water by transferring heat energy from ambient air into a refrigerant, which is used to bring water to the desired temperature for use. The installation of tinted, triple-pane windows and sliding glass doors was delayed due to product and shipping delays and were installed.

Triple-pane windows can reduce energy bills by an average of 12% per year, stop cold air from leaking out in the summer, keep heat in during the winter, and can even reduce UV sun damage to floors, drapes, sentimental photographs, and furniture.

Susan immediately felt a difference in her home once the insulation, sliding doors and windows were installed. She no longer had to wear her winter coat inside or wrap up in a blanket – and she noticed she was using about 20% less energy.

Due to a combination of factors particular to this project, Susan qualified for additional incentives that offset the cost and is projected to save \$23,012 and 73,072 kWh over the lifetime of the upgrades. This is the equivalent of planting 856 tree seedlings that are grown for 10 years.

The information in this case study is an accurate representation of this customer's experience at the time of publication. Results, including cost savings, from heat pump installation and/or other energy efficiency measures can vary based on each individual customer's situation.

**Total Annual Savings
(kWh): 5,616**

**Total Annual Savings
(\$): \$1,291**

**Total Project Lifetime
Savings (kWh):
73,072**

**Total Project Lifetime
Savings (\$):
\$23,012**

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