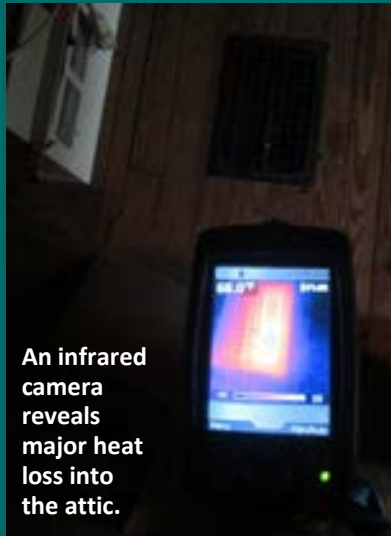




CASE STUDY:

1930s Colonial Retrofit



An infrared camera reveals major heat loss into the attic.

Single-Family Home

1,640 sq ft
Built in 1931

Improvements:

- Attic air sealing
- Attic floor insulation
- Attic stairwell insulation
- Cellulose sidewall insulation
- Weatherstripping
- Storm windows
- Lock-Top chimney damper

Special Financing:

10% rebate

Measured Savings:

52% air leakage reduction



When Charlie and Joanie decided to seal up their house as tightly and as greenly as possible, they called Snug Planet. Motivated to lower their energy bills and ecological impact, the couple hoped Snug could also help their home stay warmer in the winter.

A Snug Planet energy audit identified high air leakage plus empty wall cavities and insufficient attic insulation as major causes of heat loss – and opportunities to improve comfort and energy savings.

The Snug crew installed dense-pack cellulose insulation in the exterior walls, removing and reinstalling siding to hide any signs of the work. The crew also sealed attic air leaks and installed cellulose insulation in the attic floor. These measures, plus new storm windows, weatherstripping and an innovative Lock-Top chimney damper, cut the building's air leakage by over 50%.

Computer modeling software predicts that these improvements will help Charlie and Joanie save 42% on their heating bills. Snug Planet will collect energy usage data over the next year to determine actual savings.

In the Customer's Words

We were impressed by the level of detail that goes into all the small and large steps involved in improving the building's insulation. The two improvements we've noticed most are the relative quiet from outside and how well the house maintains heat.

We're very happy with the financing we chose. The rebate from NYSERDA really helped us out. Thanks again for everything!

- Charlie G,
Snug Planet customer



Lock-Top Energy Saving Damper