



Case Study: Robison Home

For the moderately handy homeowner the Robison house should inspire motivation to save energy. To increase comfort and warmth the Robison's invested in several new windows. To save on bills they then took it upon themselves to air seal and insulate high and low. Armed with plenty of spray foam sealant and batt insulation, they increased their home's tightness in the attic and crawlspace in one day, noting, "It was worthwhile, exciting, dirty fun!" Their insulation and sealing work amounted to \$900. These measures are usually the most cost-effective items for Colorado homes, often paying themselves back in just a few years.

Year Built: 1974

Home Size: 2,100 ft²

Contractors:

- 1. Hunter Douglas Windows
- 2. Do-It-Yourself

Energy Audit Date:

November 14, 2008

Pre-audit Annual Energy Consumption:

6,200 kWh electricity
760 therms Nat. Gas

Post-action Annual Energy Consumption:

5,700 kWh electricity
480 therms Nat. Gas

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Energy Efficiency Measures Installed:

- 1. Extensive air sealing
- 2. Attic/crawlspace insulation
- 3. Windows

Total Measure Cost:

\$3,800

Estimated Savings:

\$330 (annually)

Estimated Payback Period and Return on Investment:

Payback: 11.5 years

Return on Investment: 8.7%

Future Energy Efficiency Measures Planned:

- 1. Solar PV system

