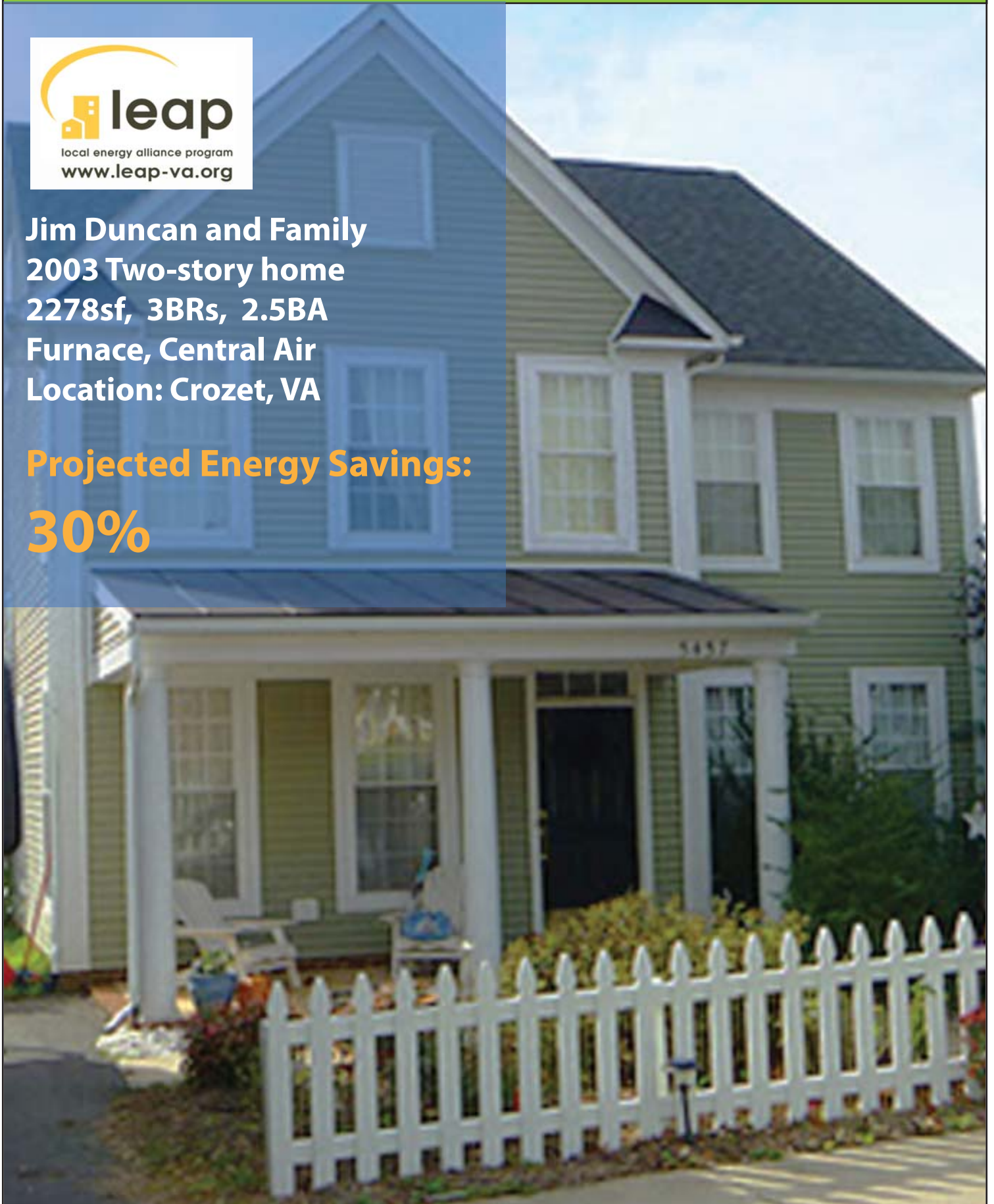


LEAP SUCCESS STORY



Jim Duncan and Family
2003 Two-story home
2278sf, 3BRs, 2.5BA
Furnace, Central Air
Location: Crozet, VA

Projected Energy Savings:
30%



LEAP SUCCESS STORY

Living in a relatively new home, Jim Duncan and his family were confused and concerned about their excessively high energy bills and very drafty house. He decided to enter the 2011 PowerSaver Home Energy Makeover Contest to get to the bottom of his home's issues but also, as one of the area's leading real estate agents, to learn more about the home energy assessment and improvement process to share with buyers and sellers. Indeed, his family discovered insufficient insulation throughout the house, and Jim now has the experience and results to better inform his clients..

Basic Issues Uncovered in the Home Performance Assessment:

- No insulation in attic above bedrooms
- Bath exhaust ducts not vented to the exterior nor insulated
- Air handler and duct work in unconditioned attic
- Walls of one story utility room uninsulated

Energy Improvement Measures Implemented:

- Condition entire attic with 4-6 inches open cell foam
- Replace bath exhaust ducts and connected to vents
- Roof vents sealed and insulated, creating conditioned space for furnace, AC unit and ductwork
- Walls and ceiling of utility room insulated with densepack cellulose

Expected Benefits:

- 30% energy savings, increased comfort and lower energy bills.



"I'm grateful for having won the \$2,500, for the education and for the opportunity to go above the suggestions to make my home more energy efficient, more financially efficient and more comfortable. The first night we had the foam insulation, the house felt better. My wife said, 'it's like someone put a blanket on our house.' We're planning on staying in our house longer, so making this decision to invest in our house was a no-brainer." -- Jim Duncan

Contractors*: APM-Energy, WeatherSeal