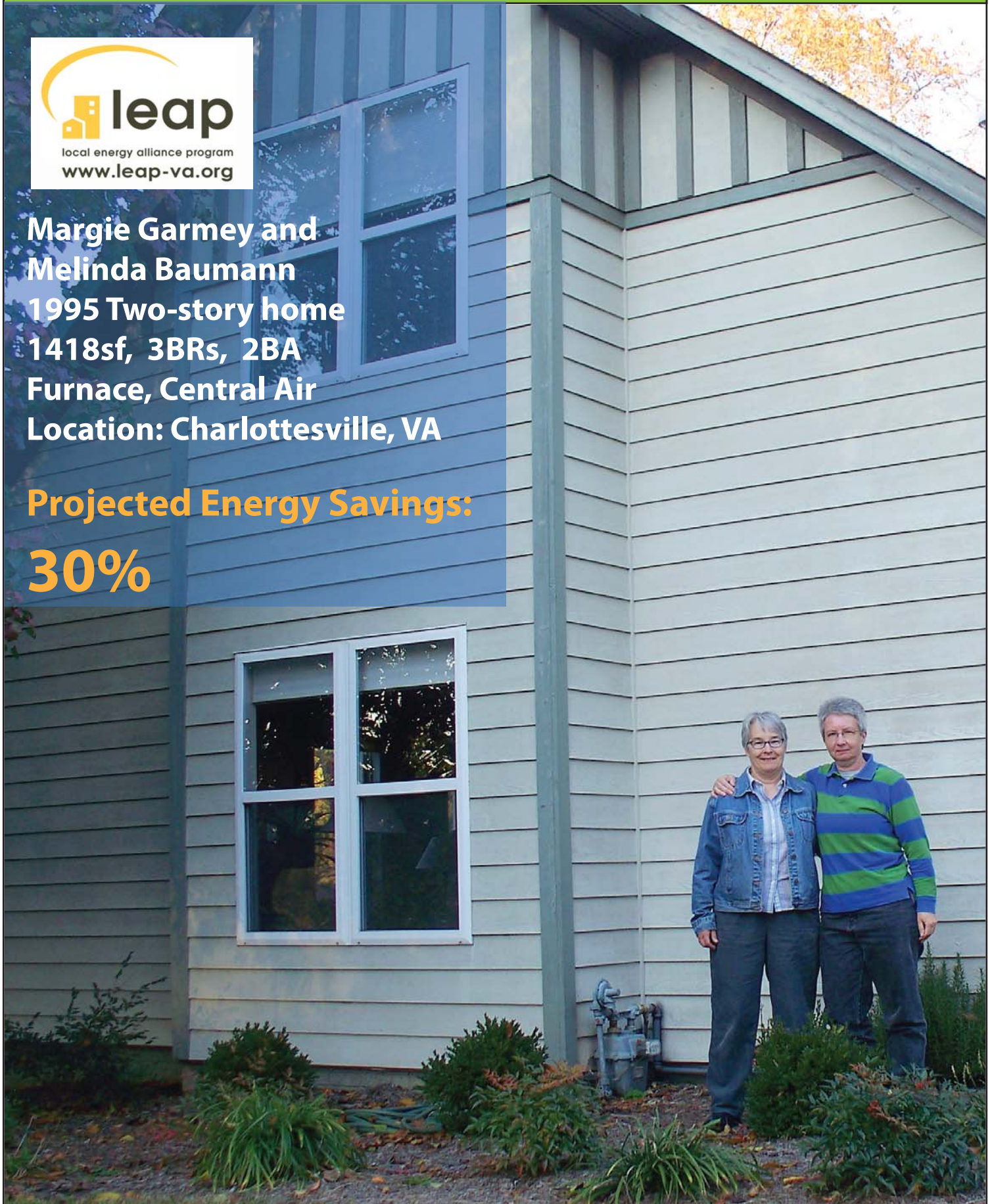


LEAP SUCCESS STORY



**Margie Garmey and
Melinda Baumann**
1995 Two-story home
1418sf, 3BRs, 2BA
Furnace, Central Air
Location: Charlottesville, VA

Projected Energy Savings:
30%



LEAP SUCCESS STORY

Margie Garmey and Melinda Baumann knew something was wrong with their house. The second floor of their home offered little relief from oppressing summers, but for years contractors gave them limited solutions. A full home energy assessment with LEAP changed that, and the team that completed a suite of home energy improvements finally helped them achieve a comfortable home.

Basic Issues Uncovered in the Home Performance Assessment:

- Gas leak detected under kitchen stove
- High carbon monoxide level produced by oven during preheating
- Outside air getting into floor system between first and second floor
- No insulation over mudroom or on attic hatches
- Window air conditioner needed in bedroom because central AC wasn't enough

Energy Improvement Measures Implemented:

- Health and safety issues were addressed
- Floor system and other air leakage locations sealed
- Insulation level increased in both attics and on attic hatches
- Ductwork re-configured so upstairs temperature can be controlled separately
- Adjustments made to reduce noise from air handler in living room
- Added dampered vent for combustion air to water heater/furnace closet

Expected Benefits:

- 30% energy savings, improved comfort on the second level, reduced heat pump noise on the first level



"We had lived in our home for 16 years, and the entire time the upstairs floor was extremely hot in the summertime despite having central air. Several conversations with HVAC people over the years yielded only one suggestion for relief: put in a window air conditioner. Once we had our home energy assessment, the LEAP Certified Contractor came up with a plan to make the house dual zone. The work has been completed, and for the first time EVER we are comfortable on the second floor. Apparently it just took someone who knew how to address the problem."

– Margie Garmey

Building Analyst: Key Green Energy Solutions

Contractors*: WeatherSeal, Comfort Source, Johnson Custom Windows and Doors. *This team won LEAP's 2011 "Creative Collaborators" award.