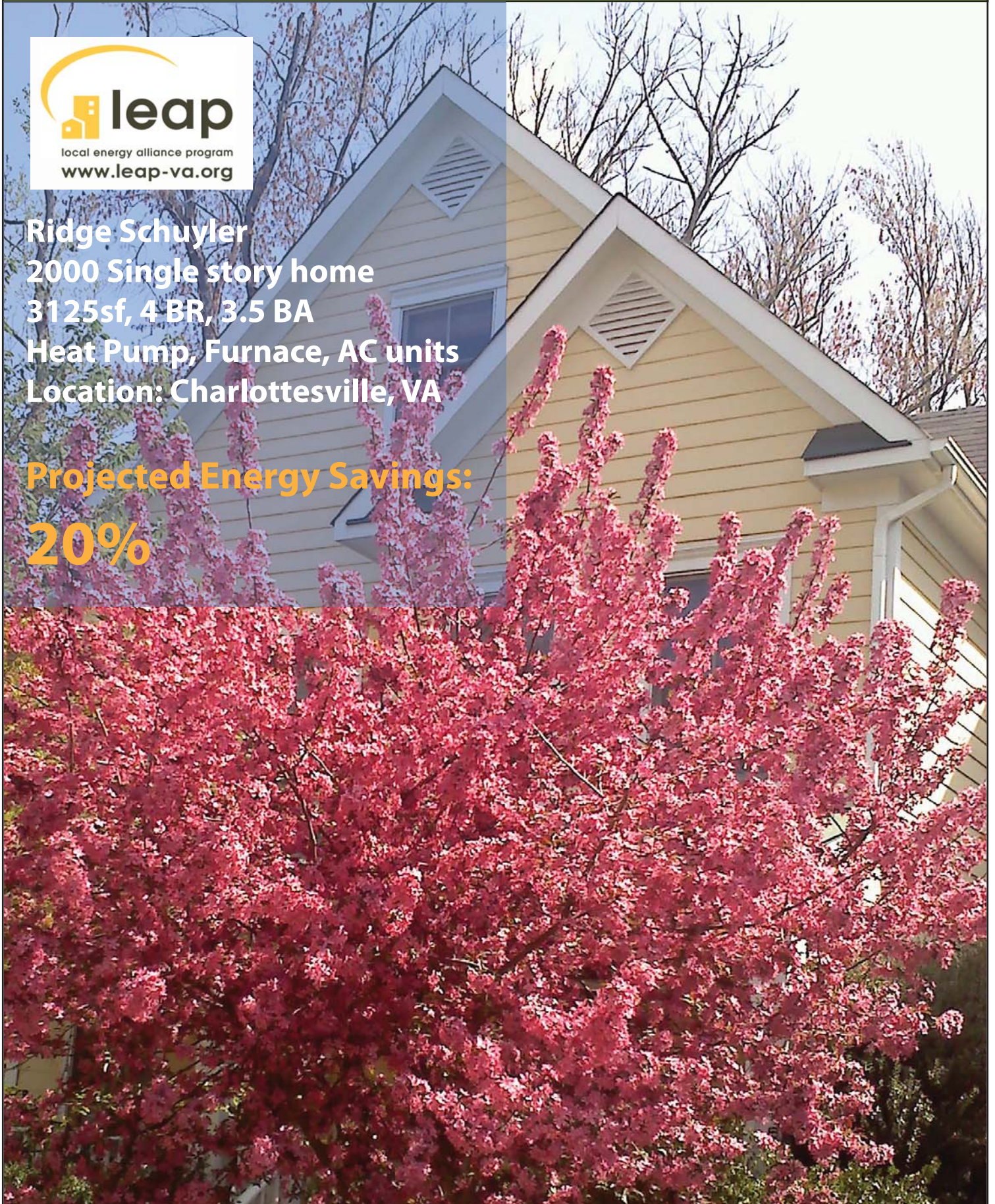


LEAP SUCCESS STORY



Ridge Schuyler
2000 Single story home
3125sf, 4 BR, 3.5 BA
Heat Pump, Furnace, AC units
Location: Charlottesville, VA

Projected Energy Savings:
20%



LEAP SUCCESS STORY

Like many of us, Ridge Schuyler and his family live in a relatively new house and assumed that any issues – high utility bills, a constantly-cold foyer – were normal. Their home energy assessment was an “eye opener,” exposing for them uninsulated areas in the attic and house entrance that were causing the house to lose heated or cooled air. This kind of problem is common in many homes but another surprise awaited them with their oven: carbon monoxide spilling into their living space. Thanks to a LEAP assessment that uncovered it!

Basic Issues Uncovered in the Home Performance Assessment:

- Kitchen oven giving off high level of carbon monoxide.
- No carbon monoxide detectors installed in the home.
- Air handler and ductwork in top attic were outside the building envelope.
- Eave attics had marginal insulation and were allowing air infiltration.
- Front overhang short circuiting main level floor and basement ceiling.
- Furnace room had leaky ducts and un-insulated trunks.

Energy Improvement Measures Implemented:

- Reduced kitchen oven carbon monoxide level and installed carbon monoxide detectors.
- Underside of roof decking was spray foamed to bring air handler and ductwork inside the building envelope.
- Insulation and air sealing in eave attics was improved.
- Front overhang was dense packed with blown cellulose.
- Ductwork was sealed and insulated in the furnace room.

Expected Benefits: 20% energy savings and better indoor air quality



“Even though our house is relatively new, we assumed there were ways we could make it more efficient. The issues with our house that we found with the help of the building analyst were pretty straightforward and simple, but they would never have come to my attention without that energy assessment. Now we're much more comfortable, we're saving money, and we identified and fixed problems we didn't even know existed.”

– Ridge Schuyler

Building Analyst: Key Green Energy / Contractor: Nelligan Insulation