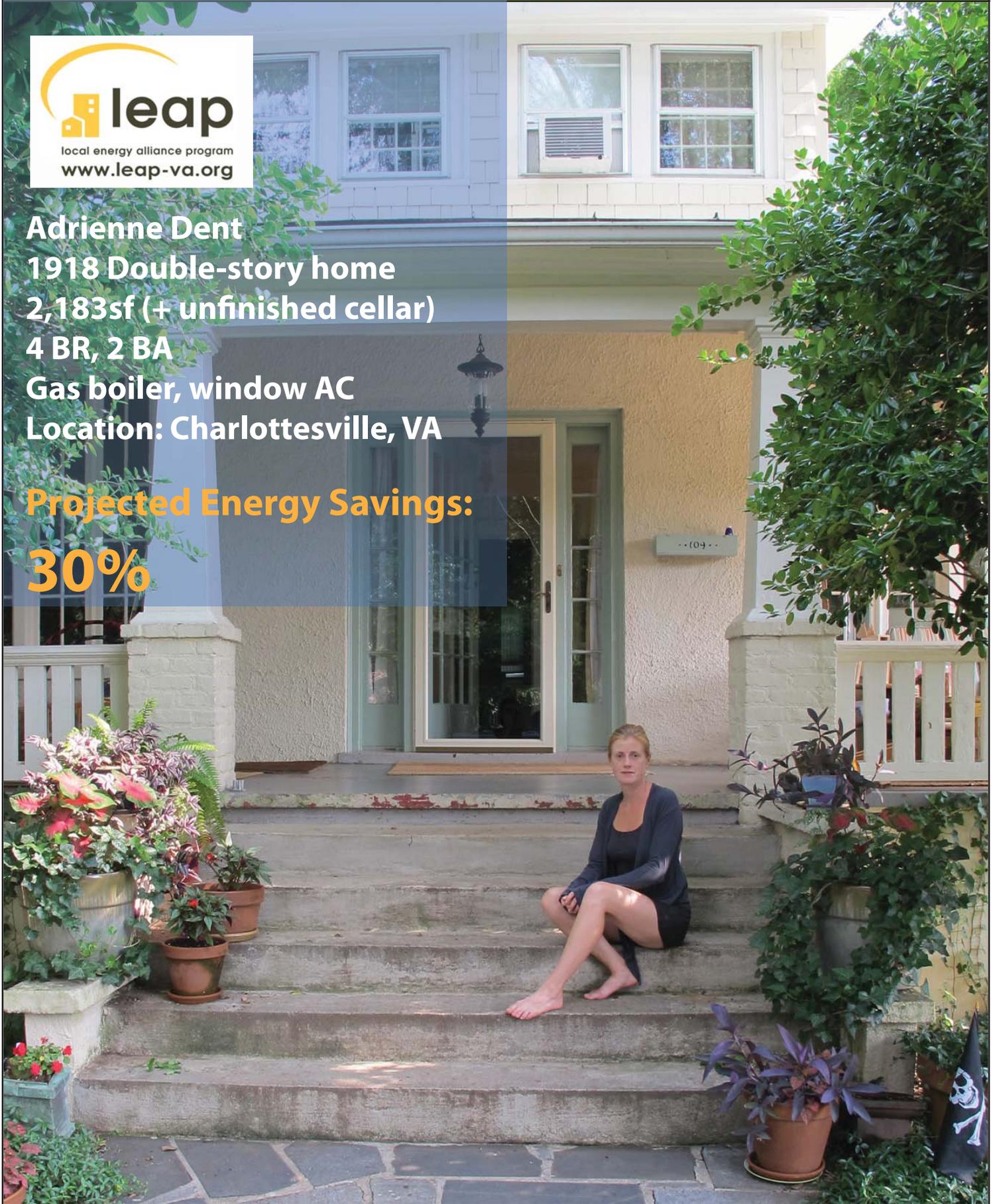


# LEAP SUCCESS STORY



**Adrienne Dent**  
**1918 Double-story home**  
**2,183sf (+ unfinished cellar)**  
**4 BR, 2 BA**  
**Gas boiler, window AC**  
**Location: Charlottesville, VA**

**Projected Energy Savings:**  
**30%**



## LEAP SUCCESS STORY

After buying their 1918 home years ago, Adrienne Dent and her family quickly realized it was drafty and inefficient to heat. Between minor cosmetic improvements, they took incremental steps like adding insulation, installing programmable thermostats, and insulating windows each winter. But they wanted to do more. Caring about long-term consequences of energy consumption and anticipating they would be in the house a while, they opted for a home energy assessment through LEAP's program – and subsequent years of cost effective comfort.

### ***Basic Issues Uncovered in the Home Performance Assessment:***

- Kitchen oven giving off high level of carbon monoxide.
- Older gas boiler operating at 76% efficiency; gas water heater improperly drafting
- Crawlspace was excessively damp
- Outdoor air infiltrating 2nd floor BA and making the room very uncomfortable.

### ***Energy Improvement Measures Implemented:***

- Reduced kitchen oven carbon monoxide (CO) level; installed CO detectors
- Installed 96% efficient gas boiler that also produces domestic hot water
- Thick vapor barrier installed on the cellar floor and walls to keep moisture out
- Air sealing and insulated around second floor bathroom

### ***Expected Benefits:***

- Expected benefits: Greater overall comfort, major improvement in comfort for 2nd floor bathroom, better indoor air quality, new storage space, 30% savings in heating and hot water bills.



*"The energy auditor was highly professional and informative and launched us down the path toward select efficiency improvements with a LEAP Certified Contractor. It was a collaborative process -- fascinating to watch and a rewarding investment. Our home's efficiency increased dramatically after two weeks of targeted work. We'll enjoy the results of the improvements through the seasons and over the years to come."*  
- Adrienne Dent

***Name of auditor: Key Green Energy Solutions  
Contractor: Abrahamse & Company***