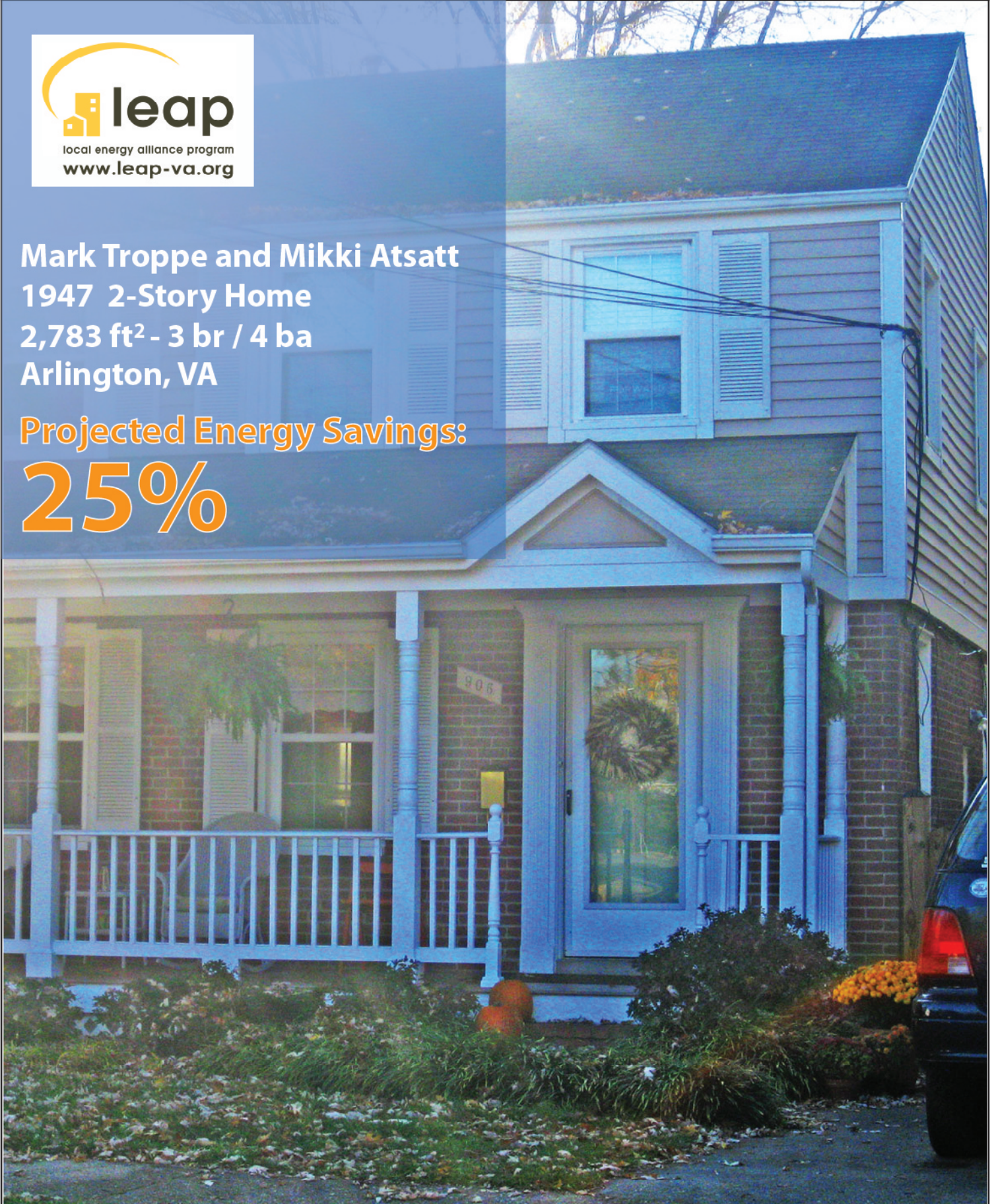


## LEAP SUCCESS STORY



**Mark Troppe and Mikki Atsatt**  
**1947 2-Story Home**  
**2,783 ft<sup>2</sup> - 3 br / 4 ba**  
**Arlington, VA**

**Projected Energy Savings:**  
**25%**



## LEAP SUCCESS STORY

Mark Troppe and Mikki Atsatt live in a two story, single-family home in Arlington, VA which was built in 1947, but expanded in the rear in recent times. This couple plans to stay in the home long-term. However, even though a new furnace was installed in the basement, the couple felt that the energy efficiency of the house could be improved, providing increased cost-efficiency and comfort for their family. So Mark and Mikki decided to schedule a Home Energy Assessment through Home Performance Solutions. The assessment identified the causes of unnecessary energy use, which also compromised comfort levels. Ultimately, they felt that pursuing such a goal was environmental responsible. After obtaining a prioritized list of recommended improvements to address the existing problems, Mark and Mikki elected to air seal their home, improve their insulation levels, and thus significantly improve overall comfort levels while reducing energy consumption. After just the first night in their newly retrofitted home, Mark and Mikki say that they already notice a difference in the temperature and comfort level of their home.

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

- The attic floor was 61% under-insulated.
- Overall air leakage was 53% over the minimum required ventilation level for healthy air exchange.
- The air leaks were due to a combination of problem areas, including the basement, crawl space, attic floor joist plate, and other areas of the home.

### Summary of the Work Completed in Home

- The contractor working on the home, Home Performance Solutions, increased attic insulation to meet the Department of Energy's recommended level.
- Reduced air leakage in the home by 32%, meaning that the HVAC system now conditions a much smaller volume of air.
- The crawl space was encapsulated to seal air leakage and moisture access. This process also included adding wall insulation.
- Installed an Attic Tent to seal the folding attic stairway opening.

*"We are very pleased with the work you guys did and already noticed a difference in our home last night. Much less drafty, cold air!! Thanks so much!"*

*- Mark Troppe*



### Contractors on Home



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PERFORMANCE  
solutions

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