



## LOCAL ENERGY ALLIANCE PROGRAM

Utility Partnerships 7/10/12

# Current Residential BB Stats

- 600+ completed homes retrofitted to date
- \$4 M in leveraged private capital
- \$370 k projected annual cost savings
  - \$600 in savings per home per year
- Over 2.5 GWh in energy savings



20%  
gain



## Home Performance with ENERGY STAR® Summary of Energy Improvements Performed



### Home Address:

John Q. Public  
100 Main Street  
Charlottesville, VA 22901

### Work Performed by:

A PLUS Insulation Company

### Work Verified by:

The Best Energy Auditor

### Work Completed on:

January 31 2011

Executive Director

### Home Performance Improvements:

\*Accessed all kneewall areas & foamed 6" open cell foam and installed passive grates

\*Main attic-foamed entire roof deck with 6" open cell foam

\*Insulated basement floor to an R30 with fiberglass batts

\*Installed humidistat in attic to monitor moisture

\*Insulated all hot piping runs off DHW tank

\*Insulated rim joist with open 3" open cell foam

### Home Performance Results Achieved:

All attic areas were addressed and reconfigured spaces brought duct work into conditioned areas. Entire floor area was insulated. Stratification issues improved.

### Environmental Impact of Improvements:

Fuel usage and emissions reduced by treating entire attic and floor areas.



HOME PERFORMANCE WITH  
**ENERGY STAR**

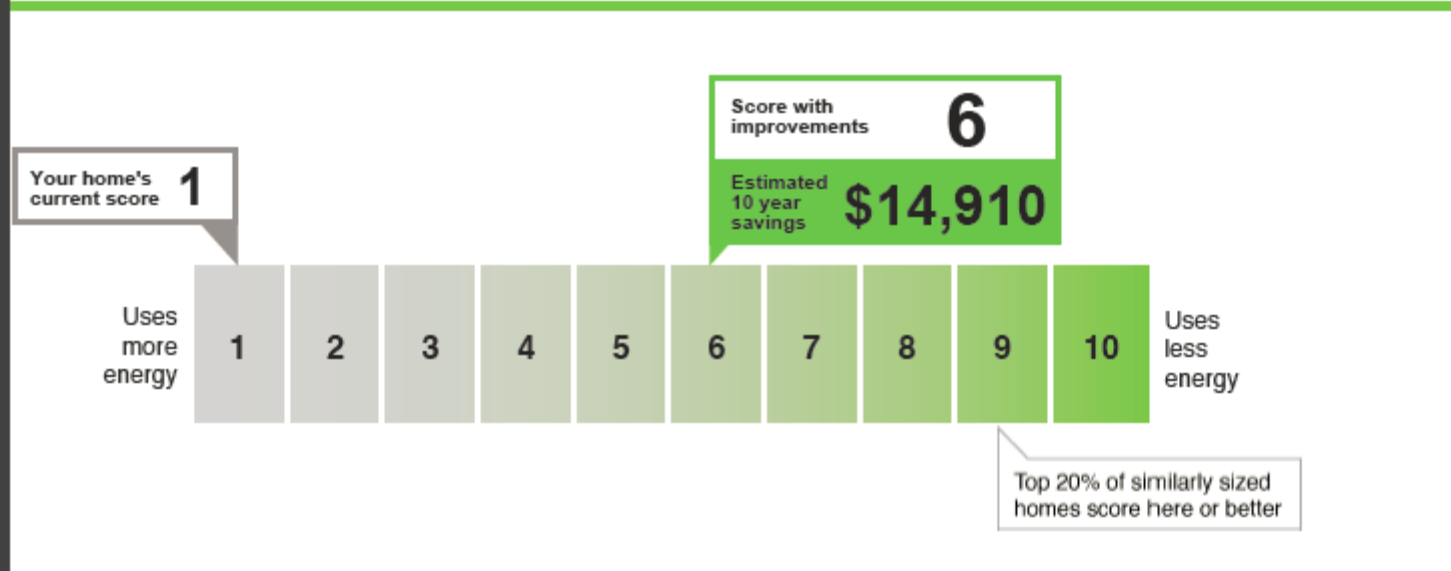
Home Performance with ENERGY STAR® offers a comprehensive, whole-house approach to home improvement that results in better energy efficiency, greater comfort, and lower energy bills.

ENERGY STAR is a voluntary partnership sponsored by the U.S. EPA and U.S. DOE to protect the environment through superior energy efficiency.

Home Performance with ENERGY STAR

# Home Energy Score

Score	Home Facts	Recommendations
Address: <b>628 S Taylor St</b> <b>Arlington, VA 22204</b>	Home size: <b>2,000 square feet</b> Year built: <b>1985</b> Air conditioned: <b>Yes</b>	



The Home Energy Score is a national rating system developed by the U.S. Department of Energy. The Score reflects the energy efficiency of a home based on the home's structure and heating, cooling, and hot water systems. The Home Facts provide details about the current structure and systems. Recommendations show how to improve the energy efficiency of the home to achieve a higher score and save money.

[homeenergyscore.gov](http://homeenergyscore.gov)

Assessment date: **07/08/2012**  
Scored in: **2012**  
Score ID: **1951945**  
Qualified assessor #: **canum**

# Utility Partnership: the Vision

## Our Utilities:

- Dominion Virginia Power (IOU)
- NOVEC (Co-op)
- CVEC (Co-op)
- **REC (Co-op)**
- Washington Gas (IOU)
- Columbia Gas (IOU)
- Charlottesville Gas (Muni)



## About ODEC:

- 11 Member G&T Cooperative
- 550,000 meters
- Baseload and peaking plants fired by coal, gas, and nuclear power



## What LEAP Brings:

- Value-added Corporate Culture
- The Right Programs
- Innovative Marketing Partnerships
- IT platform





# Program Elements



- Co-branding on program materials
- Leverages existing HPwES and HEScore programs
- Utility provides rebates
- LEAP provides special financing options and IT solution for contractors, customers, and program administrators

# Program Process

- Customer Goes to REC's website or talks w/ CSR
- Clicks to Online Assessment
- Completes lead form (utility selection required)
- Customer Assigned to Energy Advisor
- Energy Advisor performs Home Energy Review and HEScore
- Customer receives report
- Hand off to LEAP's HPwES
- LEAP shares data with REC/ODEC



EnergySavvy.com

## IT/Software Platform

- Online Assessment
- HEScore integration
- Customer portal
- Program process management
- Program analytics



# ONLINE ENERGY ASSESSMENT



## Free, Accurate, and Easy

### Your Home Energy Report

Take LEAP's confidential survey and create your home energy profile. You'll get an energy ranking, savings estimate, and unbiased, cost-effective upgrade advice.

It really only takes five minutes, and it's fun!



### Type of home

- Single family home
- Apartment, condo or townhome
- Other

### Year Built

Enter the year that your home was built even if it's been remodeled since then.

### Occupants

The number of people that normally live in your home.

### Floors

Don't include your basement, garage or attic unless they're heated living space.

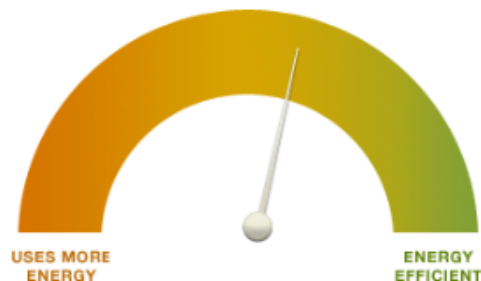
### Size in Square Feet

Don't include garages or patio areas unless they are finished and heated.

### Location

Your home's Zip Code.

Continue →



Your house in Crozet, VA (area) is one of the least efficient in your neighborhood

**\$4,164**

POTENTIAL 3-YEAR SAVINGS

## Your Energy Profile

You look like a great candidate for LEAP's Home Performance with ENERGY STAR program.

With an energy retrofit, you should be able to save a significant amount on your utility bills.

The next step: meet with one of our LEAP-Certified home energy performance experts to verify your potential and save thousands with bundled cash rebates for energy improvements to your home. Special 0% financing offers available.

**Get Started Now!** ➔

[Save your profile](#) | [Start over](#)

## Your Customized Action Plan

### Air seal and control ventilation to eliminate drafts

Sealing up leaks in your home's exterior is often one of the most cost-effective ways to improve home energy efficiency by significantly reducing the loss of conditioned air.

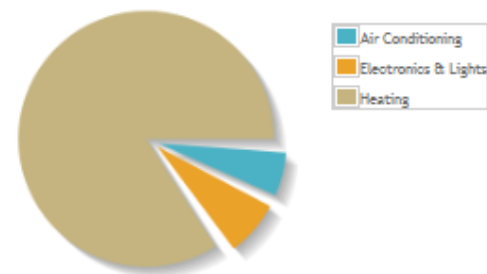


Upgrade attic insulation to modern standards

Air seal and insulate your ducts

Consider a higher efficiency heating system

Upgrade to a modern high efficiency refrigerator



Potential 3 year savings: \$4,164

Eve Long

Next Action

[Full Details](#)

**Program Info**

Project ID 732  
Stage HES Test-in Audit  
Updated 3 days ago  
Path HES

**Contact Info**

321 W Main St  
Charlottesville, VA 22902  
555-555-5555  
[norman+leaphes\\_eve@energysa.vvy.com](mailto:norman+leaphes_eve@energysa.vvy.com)

# Complete HES Test-in Audit

Due in 12 days

[Jump to Timeline](#) ▼

Assigned July 6, 2012

**Due date:** July 20, 2012

[Extend Due Date](#)

This task can not be completed

[Add Note](#)

[View Project Page](#)

[Utility Account Waiver Form \(Blank\)](#) 

[View application data](#)

**Primary fuel type:** Electric

\* Required fields

‡ Homeowner-reported values from Online Audit

## Basic Information

Date the audit was performed \*  

Year the home was built \*

‡ Year Built: 1967

Number of bedrooms in home. \*

‡ Occupants: 3

Number of stories/levels above ground \*

‡ Floors: 2

Interior height of the ceiling \*

Conditioned floor area, all stories \*

‡ Square Feet: 2300

House orientation \*  ▼



Online  
Audit  
data  
pulls  
through

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## Windows

Are there skylights present in the home?

Skylight glazing type

Double-pane, clear

Area of skylights (total)

Skylight frame type

Aluminum

Window area on front side of house \*

Window area on right side of house \*

Window area on back side of house \*

Window area on left side of house \*

Are the window types the same on all sides?

Manual entry for windows front type

Window glazing type front

Single-pane, clear

† Window Type: Single with storm

Window frame type front

Aluminum



# Streamlined Data Entry

Eve Long

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[vvy.com](http://vvy.com)

**HVAC**

**Heating type \***

None

‡ Heating Type: Modern heat pump

**Cooling type \***

No Air Conditioner

‡ Cooling Type: Central AC over 6 years old

**Hw fuel \***

Electricity

‡ Water Heater Fuel Type: electric

**Hw year purchased**

1970

**Water heater energy factor (ratio of useful energy output from the water heater to the total amount of energy delivered to the water heater)**

**Improved User Interface**



Eve Long

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[vvy.com](http://vvy.com)

**HVAC**

**Heating type \***

Electric heat pump

‡ Heating Type: Modern heat pump

Heating year purchased

1987

Heating system efficiency

**Cooling type \***

Central Air Conditioner

‡ Cooling Type: Central AC over 6 years old

Cooling year purchased

1998

Cooling system efficiency

Duct location

Conditioned Space

Indicator for presence/absence of duct insulation

‡ Duct Type: Hard with no insulation

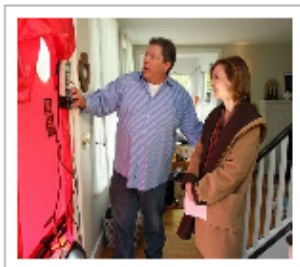
Indicator for application of duct sealing

Improved User Interface



STEP	A. Assessment	B. Get Bids
STATUS	<a href="#">Return to Work Begins.</a>	

### Next Steps



#### Schedule an Assessment with the One of LEAP's Certified Building Analysts

Kicking off your Home Performance with ENERGY STAR project starts with scheduling with your LEAP-certified Building Analyst (or Assessor) to perform your Home Energy Assessment. We'll have your building Analyst call you to talk to you about the process and find a time that works for you both (usually one can be scheduled within a week to two weeks).

Loan Calculator  
What can you afford?



Your Team



Project Docs (2)



[Test-In Audit Report](#)  
uploaded by EDGE Energy  
Feb. 23, 2012

01/01/2012 - 06/30/2012

Change Time Period

Program Savings

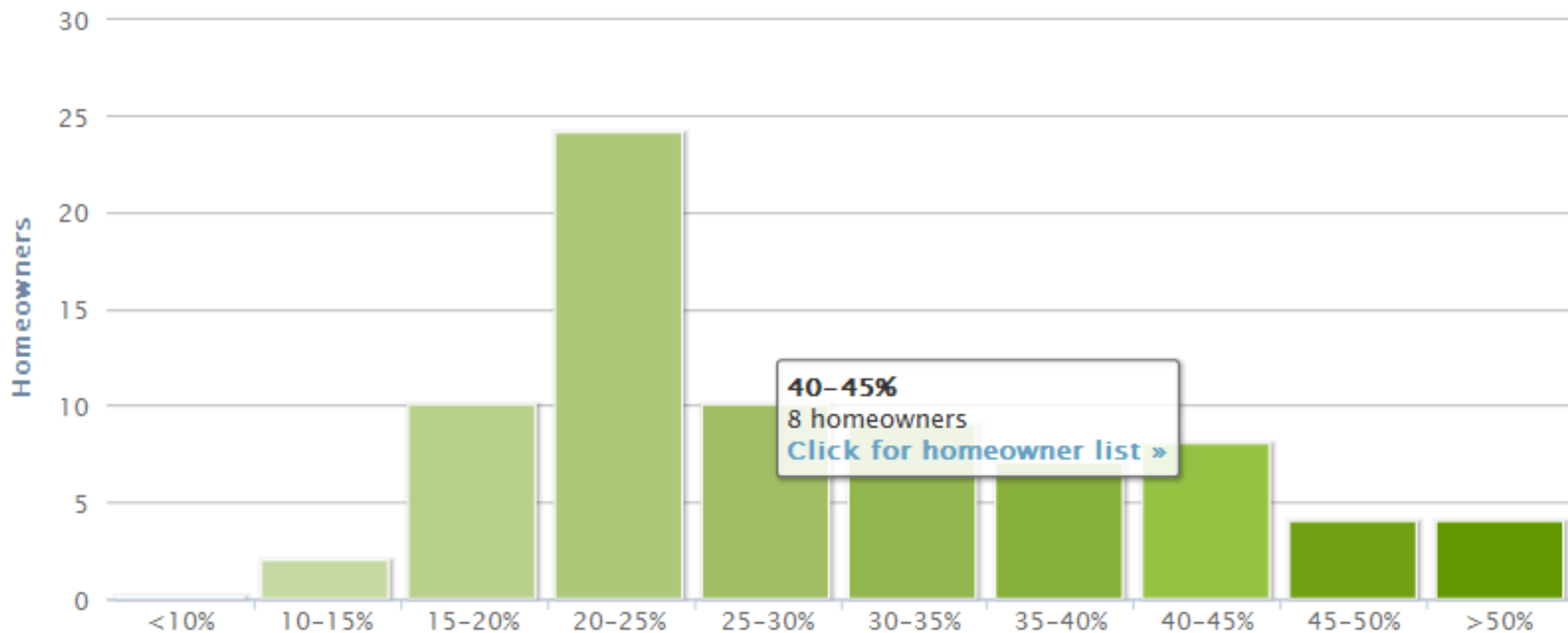
Measures Implemented

## Program Savings

**30.1%**

Average Savings

For homeowners who completed the program during this time period

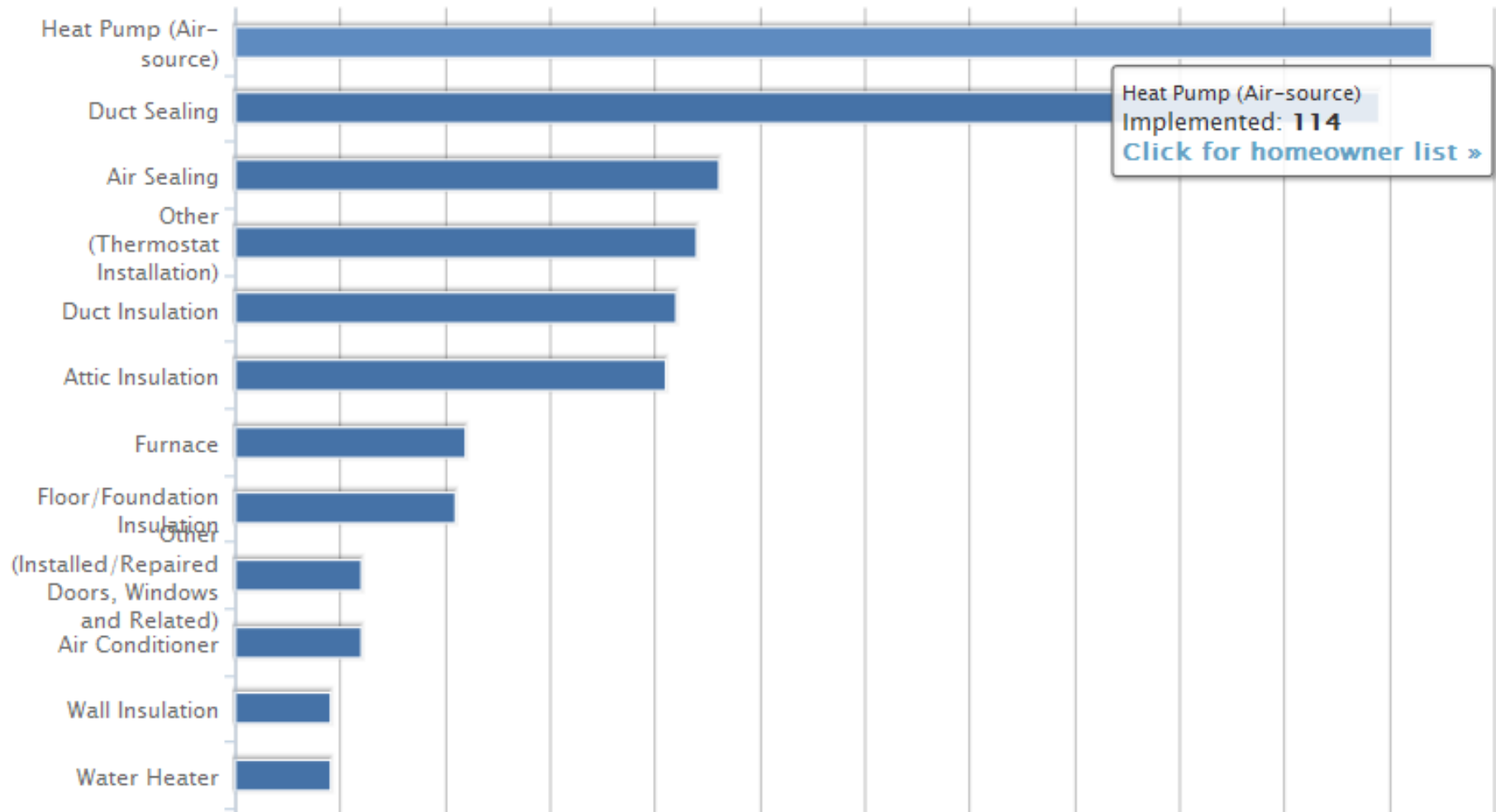


Program Savings

Measures Implemented

## Measures Implemented

For homeowners who completed the program during this time period





local energy alliance program

[cynthia@leap-va.org](mailto:cynthia@leap-va.org)