



Elysian Energy



MULROY HOME
Bethesda, MD
Site Visited: May 30, 2011
Work performed: July 7, 2011

Home Type:	Single Family
Age of Home:	1950
Square Footage (conditioned):	2954 (all 1 floor)
HVAC Type:	Oil Furnace (80+ AFUE) Central A/C
DHW Type:	2 Electric DHWs
Attic	1800 sq. ft. FLAT, R-5 to R-13 existing 1150 sq. ft. VAULTED, R-30 existing
Ducts (unconditioned space)?	YES (leaky)
A/X	6900 CFM50 = 0.94 ACH natural. All of the air in the home was lost to outdoors every hour.

HOME ENERGY IMPROVEMENTS

- Performed whole-house air-sealing
- Attic insulation (some dense-packing)
 - Only added insulation to FLAT portion of attic (~1800 sq. ft.)
 - Improved from R-5 to R-38
- Insulated hot water pipes on both water heaters

COST OF IMPROVEMENTS

- \$4500 – 15% PEPCO Rebate (\$675) = \$3825

ESTIMATED SAVINGS

- Attic Insulation = \$850
- Air-sealing = \$350 (26% sealing)
- Total = \$1200/yr
- Estimated payback = 3.75 years (not including rebates)

ACTUAL ENERGY USAGE REDUCTION (over 1st year)

- In the 12 months since having their home energy improvements performed, the Mulroys have seen a whopping reduction of over \$3400 on their home energy bills.
- 18% reduction in electricity usage
- 50% reduction in heating oil usage
- Actual Payback = 1.32 years (not including rebates)

CUSTOMER TESTIMONIAL

- “You guys were great. Please let me know if you ever need a referral, and I would be more than happy to help”

