**Project Name: Edelbrock Attic Insulation**

**Project Completion Date:** 2/10/2012

**Project Description:**

In order to save money and increase comfort of the home, the attic of Edelbrock was insulated. The R-7 (4 inch poorly insulated, low density fiberglass batts) was increased to R-47 by adding R-40 layer of blown cellulose insulation. Depending on the year this will save approximately 250 therms per year.

Project Costs:

***Costs: $1000  
Rebates: $0***

***Total Cost = $1000***

**Please detail the cost savings here (include where and how data was obtained):**

*The following data was obtained through calculations done by Nick Moe in the Office of Sustainability.*

Gas furnace with AFUE of 0.92. Cost of natural gas is $0.64 per therm. 8800 heating degree days per year. Foundation is 26.25ft by 34.25 ft.

 A summary of cost savings is included below:

Estimated Energy Savings per Year: $160

Estimated Material Savings per Year (average over 3 years): $0

Estimated One Time Rebate from Xcel Energy: $0

Estimated Payback Period (including rebate): ~6.25

**How is this project sustainable?**

By adding the insulation the house should become more comfortable to live in and we won’t be throwing heat out of the roof.   
CO2 Reduction: 1.68 metric Tons/Yr  
Monetary Savings: $160

**Contact Information**

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