Pro Eco-Energy



HOME ASSESSMENT





Prepared for:



Prepared by: Pro Eco Energy Andrew Aliferis PO Box 445 Scotland, PA 17254 717-446-0575

Met-Ed[®] Penelec[®] Penn Power[®] West Penn Power[®]

FirstEnergy Companies

ABOUT THIS REPORT

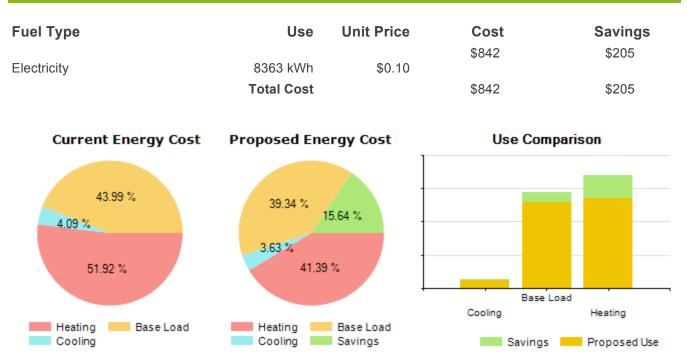
Your in-home evaluation was conducted on 2/12/2013. During the inspection, I evaluated your home's structural elements, heating/cooling equipment, and energy consuming appliances. The information gathered during the home inspection provided input data to benchmark the energy use of your home and develop a strategic plan for the most effective way to reduce that energy usage. The attached report details the proposed improvement measures including expected savings for your home. If you have any questions about your home's energy performance, please contact me. Implementing these recommendations will reduce your energy bills and make your home more comfortable and more valuable. It's important to note that savings estimates provided are approximations to help you prioritize changes. The estimations should not be taken as firm commitments.

BUILDING INFORMATION

Date of Visit February 12, 2013		Year Built	2002
Conditioned Area	1478	Number Occupants	1
Foundation Type	Vented Crawlspace	Number Bedrooms	2
Attic Type	Vented Attic	Number Stories	1



HOW YOUR HOME USES ENERGY



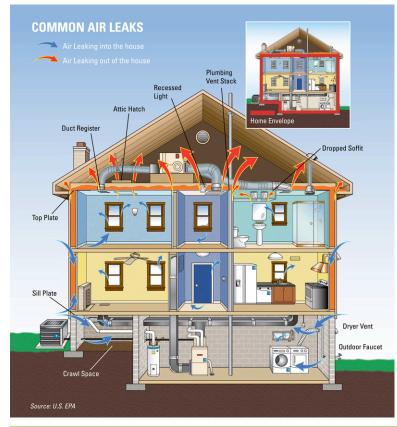
Heating usage includes all energy used to heat your home. Both heating and cooling usage are weather dependent. Base load is the energy use that is independent of the weather. This includes uses like appliances and lighting as well as hot water. This chart shows how your home is currently using energy among these different end uses. Each improvement affects the energy profile of your house in different ways. Insulation will improve both heating and cooling while replacing a refrigerator will only improve the base-load. This chart indicates the proposed energy usage of your house with all the recommended improvements installed to indicate from where your savings will come.



IMPROVEMENT SAVINGS

Improvement	Status	First Year's Savings	Cost	SIR	Payback
Improve 114 sq ft of rim joist from Low insulation to High insulation	Recommended	18 kWh (Electricity) \$1.78	\$0.00	NC	0.0 yrs
Kitchen Aerators (1.0 each)	Installed	34 kWh (Electricity) \$3.46	\$0.00	NC	0.0 yrs
Replace 60W bulbs with 13W CFLs (4 each)	Installed	116 kWh (Electricity) \$11.70	\$0.00	NC	0.0 yrs
Replace 100W bulbs with 23W CFLs (4 each)	Installed	190 kWh (Electricity) \$19.14	\$0.00	NC	0.0 yrs
Improve 1,436 sq ft of attic floor insulation from 9 inches to 15 inches.	Recommended	198 kWh (Electricity) \$19.95	\$0.00	NC	0.0 yrs
Reduce the house air leakage from 2360 CFM50 to 1830 CFM50.	Recommended	590 kWh (Electricity) \$59.43	\$0.00	NC	0.0 yrs
Reduce Duct Leakages: Heating:327 to 84 CFM25, Cooling:300 to 84 CFM25.	Recommended	624 kWh (Electricity) \$62.87	\$0.00	NC	0.0 yrs
Total		2034 kWh (Electricity) \$204.87			0.0 yrs

AIR SEALING



Many air leaks and drafts are easy to find because they are easy to feel — like those around windows and doors. But holes hidden in attics, basements, and crawlspaces are usually bigger problems. Sealing these leaks with caulk, spray foam, or weather stripping will have a great impact on improving your comfort and reducing utility bills. A house that has a lot of air leaks is subject to the "stack effect," which means it tends to pull in unconditioned, outdoor air at the lower levels and then lose air that you have paid to heat or cool at the upper levels -- much like a chimneystack.

Some homeowners are concerned about sealing their house too tightly; however, this is very unlikely in older homes. A certain amount of fresh air is needed for good indoor air quality, and there are specifications that set the minimum amount of fresh air needed for a house. Part of the reason I tested your home for its air leakage rate (called the air infiltration rate), is to be sure you get enough fresh air after implementing your energy improvements.

Blower Door Test	WholeBuildingMechanicalVentilation	Building Pressure	-50
Building Leakage	2360	Airflow Standard	1830

Recommended Improvements

AIR SEALING

Notes: Seal all wire, pipe and headers in attic space to eliminate bypasses to conditioned living space.

AIR SEALING

Notes: Box 5 recessed lights of kitchen to separate living area form Attic space. Also box the 2 bathroom fan lights.

AIR SEALING

Reduce the house air leakage from 2360 CFM50 to 1830 CFM50.

Notes: Perform blower door guided air-sealing to reduce air flow through the house to .5 ACH minimum as per ASHRAE Standards. Use attached Blower door Air leakage Test results as a starting point.







There are many points of leakage in homes that are leaky and inadequately air sealed.

The thermal image above shows you the sources of air leaks in a typical home. Some are obvious like the red areas around windows and doors. Others, like those in attics, are trickier to both see and seal.



HEATING AND COOLING

During the winter, homeowners expect their heating systems to keep them warm without breaking the bank. ENERGY STAR qualified heating equipment can be up to 15 percent more efficient than standard models.

Benefits of Energy Star Systems

- Lower Utility Bills. ENERGY STAR qualified heating systems are designed to use less energy than standard systems. When properly installed, these heating systems can save money on utility bills.
- Less Risk of Air Quality Problems. ENERGY STAR qualified gas-fired boilers and furnaces are designed to reduce the risk of back-drafting dangerous carbon monoxide exhaust into the home.
- Increased Durability. Most ENERGY STAR qualified boilers, furnaces, and heat pumps employ
 advanced technologies and high quality components, often resulting in longer equipment life and longer
 warranties compared to standard models.

Heat Pump

Heat pumps provide both heating and cooling in one integrated system.

- Electric Air-Source Heat Pumps are often used in moderate climates and use the difference between outdoor and indoor air temperatures to cool and heat.
- ENERGY STAR qualified Heat pumps have higher SEER and EER ratings than conventional models. They also have a higher Heating and Seasonal Performance Factor (HSPF), which measures the heating efficiency of the heat pump.
- Geothermal heat pumps (also known as Ground-source heat pumps) are among the most efficient and comfortable heating and cooling technologies currently available, because they use the earth's natural heat to provide heating, cooling, and often, water heating.

Air Conditioner

Most residential central air conditioners are called "split-systems" because they have an outdoor component with a condenser and compressor and an indoor component with an evaporator coil. It's very important to replace both of these units at the same time. Installing a new outdoor unit without replacing the indoor unit is likely to result in low efficiency, and may lead to premature failure of the system.

- ENERGY STAR qualified central air conditioners have higher SEER (Seasonal Energy Efficiency Ratio) and EER (Energy Efficiency Ratio) ratings than today's standard models.
- SEER is the most commonly used measurement of efficiency for air conditioners. It measures how efficiently a cooling system will operate over an entire season. EER measures how efficiently a cooling system will operate when the outdoor temperature is at a specific level (95 degrees F).
- The central air conditioner also needs a blower motor—which is usually part of the furnace—to blow the cool air through the duct system. The only way to ensure that your new air conditioner performs at its rated efficiency, is to replace your heating system at the same time. It's especially recommended if your furnace is over 15 years old. If you purchase a new energy-efficient air conditioner but connect it to an older furnace and blower motor, your system will not perform to its rated efficiency.

Heating System	Air Source Heat Pump - Electric Backup Ducted	Year Installed	2002
Heating System Location	Vented Crawlspace	Heating Fuel	Electricity
Cooling System	Air Source Heat Pump - Ducted	Year Installed	2002
Cooling System Location	Vented Crawlspace		



INSULATION

Insulation is one of the keys to a comfortable, energy-efficient home. But simply having the right amount of insulation is not enough. If insulation is not properly installed, a home can have excessive heat gain during the summer and heat loss in the winter—forcing the heating and cooling systems to work overtime. Properly installed insulation will completely blanket the home—exterior walls, ceiling, and floors—without gaps, voids, or compressions, and it will be in full contact with the interior air barrier (for example, drywall). Continuous sealing of the air barrier along the insulation is also critical to protecting against moisture damage that can be caused by warm air flow through the insulation to colder surfaces where it can condense.

Benefits of Properly Installed Insulation

- Enhanced Comfort. Properly installed insulation minimizes temperature variability indoors and helps keep rooms warmer in the winter and cooler in the summer.
- Lower Utility Bills. As much as half of the energy used in your home goes to heating and cooling. By
 preventing heat loss in the winter and heat gain in the summer, a properly installed insulation barrier
 reduces utility bills year round.
- Improved Durability. When insulation is properly installed, the potential for condensation that can lead to decay of building materials is reduced, helping to improve the durability of your home.
- Better Resale Position. The improved comfort, lower utility bills, and improved durability of a properly installed insulation barrier can translate into higher resale value compared to less efficient homes.

Recommended Improvements

VAULTED CEILING INSULATION

Improve 118 sq ft of vaulted ceiling from 5.5 inches of insulation to 9.25 inches of insulation

Notes: Add fiberglass batt insulation to existing R-19 batt on vaulted ceiling in attic space.

RIM JOIST INSULATION

Improve 114 sq ft of rim joist from Low insulation to High insulation

Notes: Insulate and seal Basement Rim Joists to reduce Heat loss and air infiltration.

ATTIC INSULATION

Improve 1,436 sq ft of attic floor insulation from 9 inches to 15 inches.

Notes: Existing Attic insulation is uneven between 6" - 12" thickness with an average R-value of R22. Increase existing Blown in Fiberglass to either R-38 on the low end or R-50 on the high.

DUCT SEALING

Duct Leakage Test Pressure Pan

Duct Leakage 205 CFM25

Recommended Improvements

DUCT SEALING

Reduce Duct Leakages: Heating: 205 to 84 CFM25, Cooling: 205 to 84 CFM25.

Detailed Improvement Properties	
Proposed Cooling Duct Leakage (CFM25)	84
Proposed Heating Duct Leakage (CFM25)	84
Units of final leakage value (if not CFM25)	

Notes: Air seal existing ductwork to reduce leakage to unconditioned areas. Block openings in returns that connect to the basement or attic unconditioned spaces.



HOT WATER

Heating water accounts for about 15 percent of a home's energy use. High efficiency water heaters use 10 to 50 percent less energy than standard models, saving homeowners money on their utility bills. Actual energy savings from high efficiency water heaters depend on family size, heater location, and the size and placement of water pipes.



Hot Water System	Storage Water Heater	Year Installed	2002	
Hot Water Fuel	Electricity			



WINDOWS

Windows provide natural daylight and views, but homeowners often use drapes or blinds to cover them because of comfort concerns. ENERGY STAR qualified windows and skylights allow owners to enjoy the light and views while saving money on utility bills and protecting valuable furnishings and finishes from sun damage. Independently tested for superior energy performance, ENERGY STAR qualified windows and skylights are also better for the environment because lowering energy use helps reduce the emissions of greenhouse gases and air pollutants at the source.

Benefits of ENERGY STAR qualified windows and skylights include

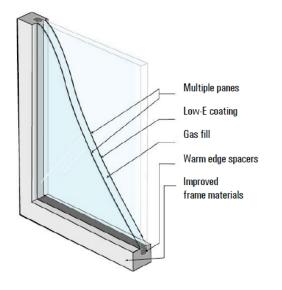
- Energy Savings
- Improved Comfort
- Protection of Your Home's Interior
- Reduced Condensation

WINDOW TINTING

Residential window tinting is not only affordable, but an effective form of conservation. Solar window film saves energy and increases comfort through:

- Keeping filmed buildings cooler in the summer by minimizing the presence of heat producing infrared rays.
- Retaining heat during the winter by providing insulation for filmed windows. Solar film increases the U-factor of less efficient windows.
- Reduce HVAC strain by preventing hotspots in large buildings. Hotspots can create situations where the air conditioning system will be running in one area of the building and heat simultaneously in another.
- Reducing glare that increases eye fatigue.and lowers productivity.
- Protecting valuable furnishings from fading and sun damage.

Existing Window Glazing	Double Pane (low-e)		
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LIGHTING & APPLIANCES

APPLIANCES

Every appliance comes with two price tags: what it costs to take it home and what it costs to operate and maintain it each month. ENERGY STAR qualified appliances incorporate advanced technologies and use 10 to 50 percent less energy than standard appliances. From refrigerators to clothes washers, ENERGY STAR qualified appliances save energy, save money, and help reduce emissions of greenhouse gases and air pollutants at the source.

Benefits of ENERGY STAR Qualified Appliances

- Lower Utility Bills. Appliances account for nearly 20 percent of the average household's energy use. A comprehensive package of ENERGY STAR qualified appliances can save up to \$80 a year in energy costs compared to standard appliances.
- Improved Quality and Durability. Energy-efficient appliances often include quality components surpassing those found in standard appliances. These can result in fewer mechanical problems, longer equipment life, and in many cases extended warranties.
- Enhanced Performance. ENERGY STAR qualified appliances often outperform standard appliances due to improved design and advanced technologies. For instance, some ENERGY STAR qualified appliances include features that decrease operating noise, while others include technologies that reduce water use.

Lightbulbs & Fixtures

Choosing more efficient light bulbs or light fixtures can make a big difference on utility bills and for the environment. Replacing the five most frequently used light fixtures in a home with ENERGY STAR qualified lighting can save about \$65 each year in energy costs.

Benefits of ENERGY STAR Qualified Fixtures and Bulbs

- Cost Savings. An ENERGY STAR qualified compact fluorescent light bulb (CFL) uses about 75 percent less energy than a comparable standard incandescent bulb. Replacing a 60-watt incandescent with a 13watt CFL can save more than \$30 in energy costs over the life of the bulb.
- Improved Safety. ENERGY STAR qualified CFLs operate at less than 100 degrees F and are safer than the halogen bulbs typically used in floor lamps or torchieres, which burn at 1,000 degrees F. Halogen bulbs, when improperly handled, can cause burns and fires due to their high heat output.
- Enhanced Comfort. Compared to standard incandescent bulbs, ENERGY STAR qualified CFLs generate about 75 percent less heat. This means they are cool to the touch, help reduce home cooling costs, and keep homes more comfortable.
- Durability. ENERGY STAR qualified fixtures and bulbs meet strict guidelines for longevity. Pin-based fixtures must last 10,000 hours, about 10 times longer than standard. CFLs must last 6,000 hours. In addition, ENERGY STAR qualified fixtures come with a 2-year warranty—double the industry standard.

Cooking Fuel	Electricity	Clothes Dryer Fuel	Electricity
Lighting Usage	Very Low	Misc Electric Usage	Very Low



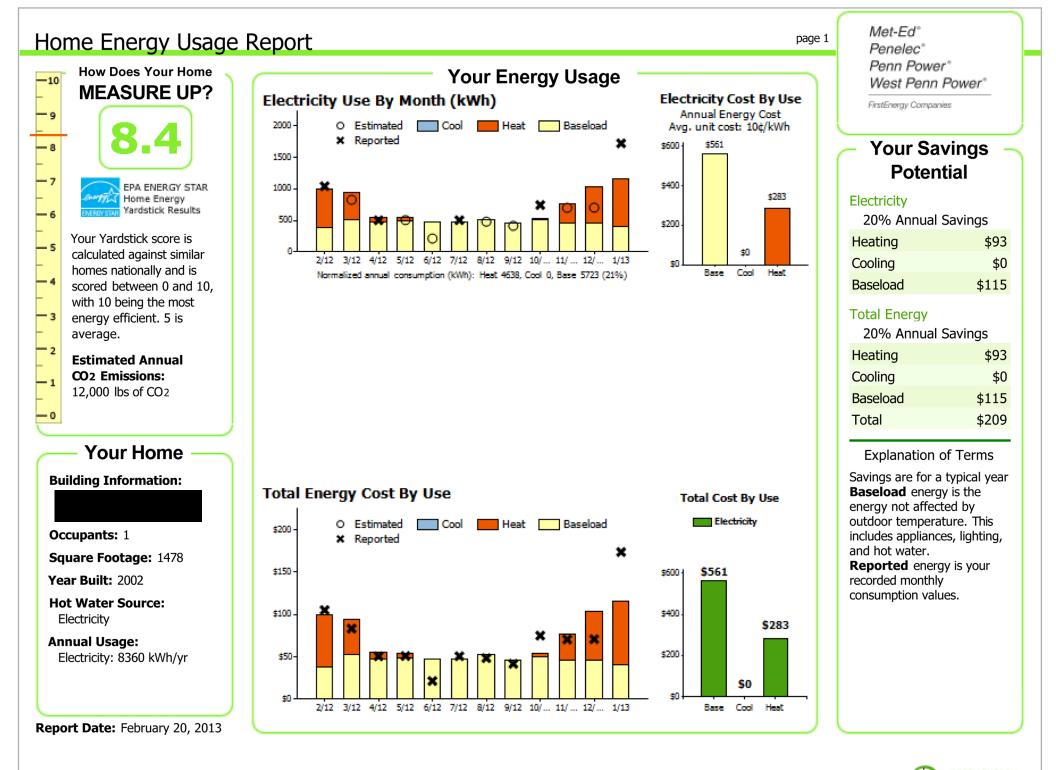
RECOMMENDED IMPROVEMENTS

HEALTH AND SAFETY MEASUREMENTS

In addition to energy savings, your home was checked for any underlying health and safety issues such as proper ventilation, carbon monoxide levels, and proper venting of any combustion appliances. To assess your home, a series of measurements were performed including a blower door test to depressurize the house and assess air leakage levels in addition to safety tests on HVAC equipment, including carbon monoxide levels and combustion appliance back-draft testing (not applicable on an all-electric home). The results of these tests are presented here along with any recommended actions for improving your home where it fails to meet national standards for a healthy and safe home.

Stoves	Stoves		sults
Fuel	Electricity	Method	Whole Building Mechanical Ventilation
Vent Out	false	Building Pressure (Pa)	-50
Action	No Combustion	Fan Pressure (Pa)	50
		Fan Ring Used	A+B Rings
		Building Leakage (CFM50)	2360
		Building Airflow Standard	1830
		Result	Pass With Recommendation
		Action	Air Seal to achieve no less than .5 ACH
Distribution System	n Airflow	Ventilation	
Test Results	Fail	Primary Heating Vent Type	
Action	Check all connections	DHW Vent Type	
	where flex duct meets trunk and at boots. Air	Dryer Vent	Electric
	seal where boots meet	Dryer Vent Action	None
	wall or floor. Block connections in returns to stud bays and openings to	Other Health & Safety Issues	None
	basement or attic.		
Duct Leakage			
Test	Pressure Pan		
Result (CFM25)	205		
Pressure Pan Avg (Pa)	205		





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Compass -

Home Energy Usage Report

Your Carbon	10 Things You Can Do To Shrink Your Energy Bill		n Savings -
Footprint	Cost effective energy use reductions of 40% to 50% can be realized when you use a whole house, performance tested approach on your current home.	Po t Electricity	tential
	1. Set back your thermostat: Setting thermostats down to 60 degrees when you are in had an away agree similarity and an array Automatic thermostate, adjusted to your achedula		nual Savings
	bed or away saves significant energy. Automatic thermostats, adjusted to your schedule, make this very easy.	Heating	1271 lbs CO2
	2. Stop using unnecessary refrigerators: Refrigerators are significant energy users.	Cooling	0 lbs CO2
	Turn off unused refrigerators that are only needed seasonally, and consolidate the contents of nearly empty refrigerators and freezers.	Baseload	1568 lbs CO2
	 Lower your water heater tank temperature setting: Reducing hot water tank temperature down to 120 degrees, or lower, can save significant energy, while reducing the risk of scalding. This lower setting will not reduce your bathing enjoyment. 	Total Energ 20% Anr	ay nual Savings
	4. Use compact fluorescent or LED lighting: Compact fluorescent light (CFL) bulbs are a	Heating	1271 lbs CO2
n one year, your home uses	very cost effective way to reduce energy consumption. They are available in many sizes	Cooling	0 lbs CO2
the carbon of	and shapes for most any location. LED bulbs are even more efficient than CFL and are extraordinarily effective for many locations.	Baseload	1568 lbs CO:
1 car	 Use a low flow shower head: Heating water takes energy, so using half the amount of hot water saves substantial energy. There are a wide variety of low flow shower heads 	Total	2839 lbs CO2
ormalized energy Use:	available that provide a satisfying experience while conserving energy.	Explanat	ion of Terms
A Btu/sqft/person Carbon Footprint is a apshot of how much carbon bxide(CO2) is produced in a irticular span of time by an ea, object, or person. In this se, it is a measure of your ome's CO2 production over a e month period. Typically the gher this is, the greater otential there is for reduction id savings. o find out more about your rbon footprint, visit ww.nature.org/calculator.	 Seek the help of a professional building performance contractor for these tasks: Seal against air infiltration: Reducing the exchange of conditioned air to the outside, or outside air to the inside is a most effective way to reduce energy consumption. A whole house de-pressurization test is the most reliable way to understand the effectiveness of a comprehensive air sealing effort. Seal and insulate your attic: Sealing and insulating the ceiling between your attic and living space is often, also, a very good energy saving measure. An inspection by a qualified professional can determine the efficacy of this measure, in relation to others, as part of a whole house energy audit. Insulate exterior walls and floors: Increasing the amount and quality of insulation in exterior walls and floors: Increasing the amount and quality of the building performance contractor is useful to pinpoint the exact areas that need work. Update your heating and cooling equipment: Efficiency of heating and cooling equipment has been increasing such that the proper sized system may be smaller than your current one. If your equipment is old, or has not been serviced recently, you may benefit by having it serviced or replaced with a new efficient model. 	includes app and hot wat	affected by perature. This liances, lighting, er. energy is your nthly

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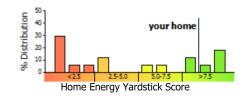


\$ 1,063

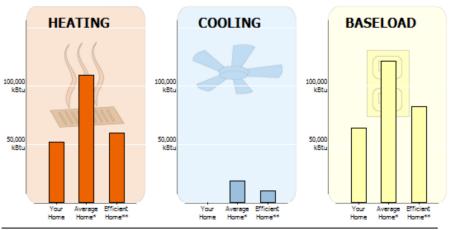
\$ 2,112

\$ 1.363

Your Home Average Home * Efficient Home ** You Could Save \$0



Where Your Energy is Used



Savings values for the whole house may differ from the end use savings. To achieve the end use savings, your home needs to become efficient for each end use.

*Average home is calculated as the average of all homes in your selected community group. Efficient home is calculated as the average energy use of the 25% of homes in your community that use the lowest energy.

**Energy values shown on this report include a source energy conversion factor.

Total Energy Use for a typical year



116,305 kBtu Average Home: 243,204 kBtu Efficient Home:

159,893 kBtu

Average home energy use is calculated based on the homes in your community.

Your Community

The comparison graphs on this page are held against an average of the buildings within your community.

Your selected community:

Homes in PA state with

- Between 1 and 4 occupants
- Between 500 and 1,500 square feet of living space

To create a more accurate comparison, your home is compared with other similar homes based on size, occupancy and location.

Your selected community contains 17 homes.

Report Date: February 20, 2013 **Building:**



In all thermal images warmer surfaces appear lighter in color and cooler surfaces appear darker



Ductwork in basement showing heat loss



Infiltration above windows





Draft from returns



Infiltration from attic through recessed lights in kitchen

Flow of air in return from unconditioned basement



Air around basement hatch

Photos Attic

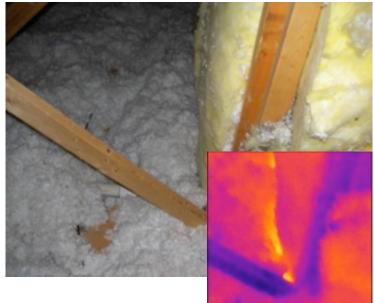


Vent

from Hallway bath showing heat loss to attic space from unboxed fan and improper venting throwing moisture into Attic. Could lead to possible mold in Attic



Uneven blown fiberglass in attic. 9" equals approximately R22. DOE recommends between R38 - R60.



Heat Escaping into attic at areas with very low insulation near vaulted ceiling at entry.



Area over master bathroom showing effect of unboxed bathroom fan

Heat loss into attic over unsealed recessed lights in kitchen.

BLOWER DOOR RESULTS

Room	Pr	oblems / Measures needed		Zonal	Thermal Boundry	
Front Office	N	No Problems noted			In 🔳 Out 🗌	
Master Bath	Box far	n in attic. Vent to ex	kterior	12.2 pa	In 🔳 Out 🗌	
Walk-in Closet	Add ga	sket to basement	hatch	2.0 pa	In 🔳 Out 🗌	
Hallway	Seal st	ud bays and return	pans	ра	In 🔳 Out 🗌	
Kitchen	Bc	ox 5 recessed light	S	ра	In 🔳 Out 🗌	
	Caul	k top trim of windo	WS	ра	In 🔳 Out 🗌	
Living Room	Caul	k top trim of windo	WS	ра	In 🔳 Out 🗌	
Hall Bath	Box far	n in attic. Vent to ex	kterior	6.0 pa	In 🗌 Out 🔳	
Attic	Bc	ox lighting and fans	6.	48.0 pa	In 🗌 Out 🔳	
Basement	Seal hatch and returns		41.0 pa	In 🗌 Out 🔳		
Garage		Adjust threshold		49.0 pa	In 🗌 Out 🔳	
				ра	In 🗌 Out 🗌	
				ра	In 🗌 Out 🗌	
				ра	In 🗌 Out 🗌	
				ра	In 🗌 Out 🗌	
				ра	In 🗌 Out 🗌	
				ра	In 🗌 Out 🗌	
				ра	In 🗌 Out 🗌	
			ра	In 🗌 Out 🗌		
		* achieve .5 ACH		ра	In 🗌 Out 🗌	
Target BTL 183)* Dooi	r Location Front	Baseline	- 4.2	pa	
сғм@502360	Ring	□Open □ A ■ B □ C	Blower I	Door set	ting -50.0 pa	
Basement door	Basement door 🗌 Open 🔳 Closed 🗌 NA Other door 🗌 Open 🗌 Closed					

PRESSURE PAN RESULTS

Supply Ducts	Room	Reading	Returns	Room	Reading
S1	Kitchen	2.8 pa	R1	Hall @ Kitchen	10.0 pa
S2	LR @ Kitchen	2.8 pa	R2	Hall @ Beds	11.0 pa
S3	LR @Sliding Door	4.0 pa	R3		ра
S4	Entry	5.4 pa	R4		ра
S5	Office	10.4 pa	R5		ра
S6	Master Bed	10.4 pa	R6		ра
S7	Master Bath	7.2 pa	R7		ра
S8		ра	R8		ра
S9		ра	R9		ра
S10		ра	R10		ра
S11		ра	R11		ра
S12		ра	R12		ра
S13		ра	R13		ра
S14		ра	R14		ра
S15		ра	R15		ра
S16		ра	R16		ра
S17		ра	R17		ра
S18		ра	R18		ра
S19		ра	R19		ра

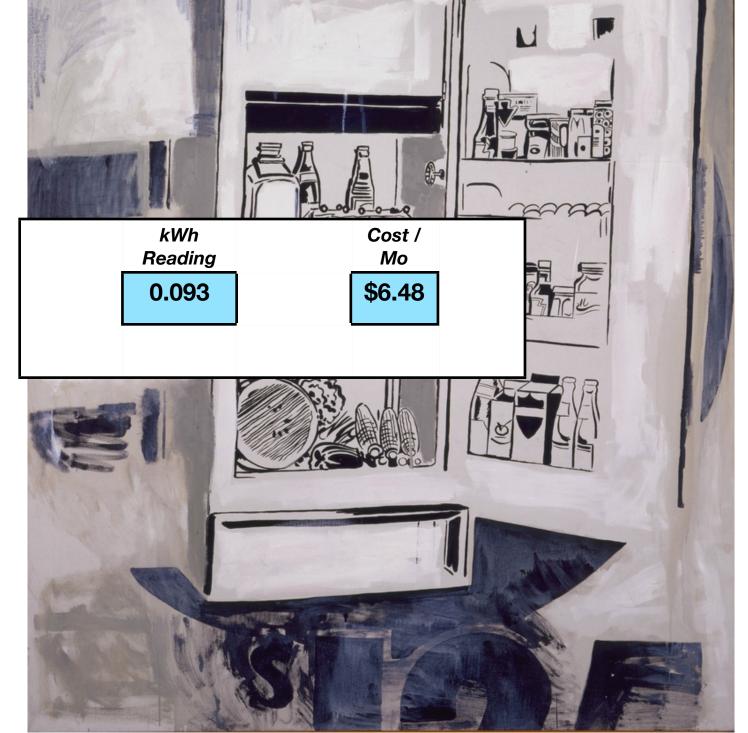
Test performed at CFM@50 ☑

CFM@25

NOTES: Any Supply or Return Duct with a result greater than 2.0 pa indicates possible leakage to the exterior and could benefit from duct sealing.
Duct leaks or disconnects observed? I Yes No I If Yes, Describe Possible loose flex connections
Existing Duct Materials: A Metal I Ductboard I Flex Other
System Type: Heat Pump Central Air Electric Furnace Oil Furnace
Gas Furnace Orphaned (No connected System) Other

APPLIANCE MONTHLY COST

Frigidaire FRT20NGCW Top Freezer 19.9 cu Primary Refrigerator



Appliance Monthly kWh Cost

Agency: Pro Eco-Energy										
		5								
	Client's	s Name:								
	Account N	Number:								
		Date:	2/11/13		Read Type AV = Average	e (RT): ES = Estimate	1			
		Date.	2/11/13		AV = Average	ES = Estimate			Basel	oad
	Consu	mption H							(3 lowest	
Month		YR	Usage (kWh)	RT	Days	Per Day	Rank	Low 3	Usage	Days
January		2013	1,722		36	47.83	12.00	N	0	0
February		2012	1,043	ES	24	43.46	11.00	N	0	0
March		2012	827		33	25.06	10.00	N	0	0
April May		2012 2012	503 506		30 31	16.77 16.32	5.00 4.00	N N	0	0
June	S	2012	214	23	31	7.13	1.00	<u>N</u> Y	214	30
July	S	2012	504	ES	30	16.80	6.00	N	0	
August	S	2012	481	ES	33	14.58	3.00	Y	481	33
September	S	2012	415		29	14.31	2.00	Ŷ	415	29
October		2012	745	ES	32	23.28	7.00	N	0	C
November		2012	700	ES	29	24.14	8.00	N	0	0
December		2012	703		29	24.24	9.00	N	0	C
Total Usage/Days			8,363		366.0			Baada	1,110	92
Daily kWh			22.8					Baselo	oad/Day kWh	12.1
ling Use Calculation										
mer Total Use (kWh)			1,614							
mer Seasonal Use (kWh)			142	>	Summer Use over 2000 kWh indicates that Cooling improvements should be recommended					
ummer Base Use (kWh)			1,472	-			inat eeeiing inipi			
			1,472							
ting Use Calculation										
ter Season Total Use (kWh)			6,749							
. ,				-	14/				handel han a first of the	
nter Seasonal Use (kWh)			3,805	>	winter seasonal use	ot over 2,000 kW	n indicates that im	provements s	should be made to red	uce heating loa
ter Base Use (kWh)			2,944							
l Annual Use (kWh)			8,363						Estimated Monthly (Costs
nual Base Use (kWh)			4,416	>	Estimated Annual Ba	seload Use	1		January	
nual Seasonal Use (kWh)			3,947						February	\$166.85
iuai Seasonai Ose (Kvvn)			3,947						March	\$102.84
									April	\$82.48 \$51.94
Total A	nual Use								May	\$52.22
					Estimated Annual En	ergy Burden	\$842.63		June	\$24.69
< 7,200 kWh			FALSE						July	\$52.03
7,200 - 9,900 kWh			TRUE		Estimated Average N	Ionthly Bill	\$70.22		August	\$49.86
9,901 - 14,000 kWh			FALSE						September	\$43.64
> 14,000 kWh			FALSE		Average Cost per kW	/h	\$0.10		October	\$74.75
> 14,000 KWII									November	\$70.51

