

Utility Bill Summary



How much are you spending on gas and electricity per year?

This chart shows how much you're spending annually on utility bills and the amount that's being spent on gas vs. electricity. Your utility costs are an important factor when deciding which efficiency measures make the most sense for your home.

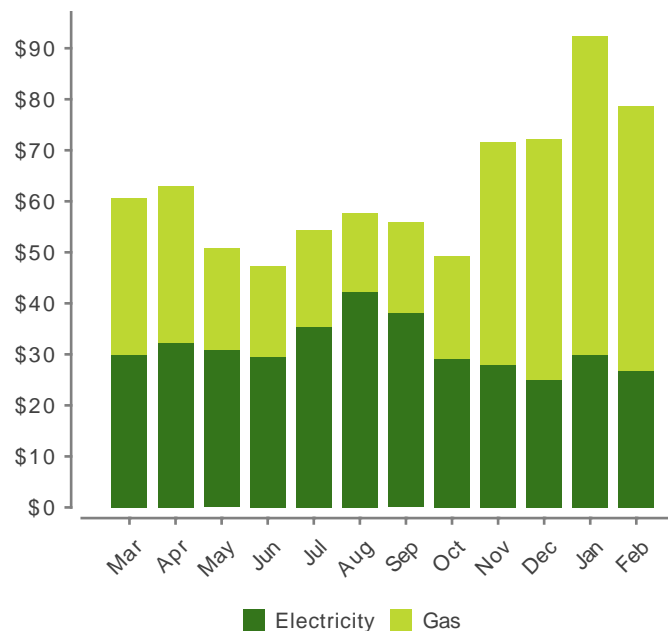
Gas & Electric Costs

Total kWh* Consumed	2,677
Average Cost Per kWh	\$0.14
Total Electric Cost	\$378
Total Therms Consumed	324
Average Cost Per Therm**	\$1.16
Total Gas Cost	\$376

*kilowatt/hour. Used to quantify the amount of electrical energy delivered by electric utilities to consumers

**a unit of heat energy equal to 100,000 BTUs. Therms are used to quantify the amount of natural gas or liquid propane delivered by utilities to consumers.

Cost of Gas & Electricity per month from March 2010 through February 2011



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Energy Loss

Where is energy being lost in your home?

We have calculated your home's actual performance through a method known as Air Conditioning Contractors of America (ACCA) Manual J. This process allows us to precisely understand how each component of your building affects your heating load, and identify which areas are most appropriate to improve based on your health, comfort and efficiency goals.

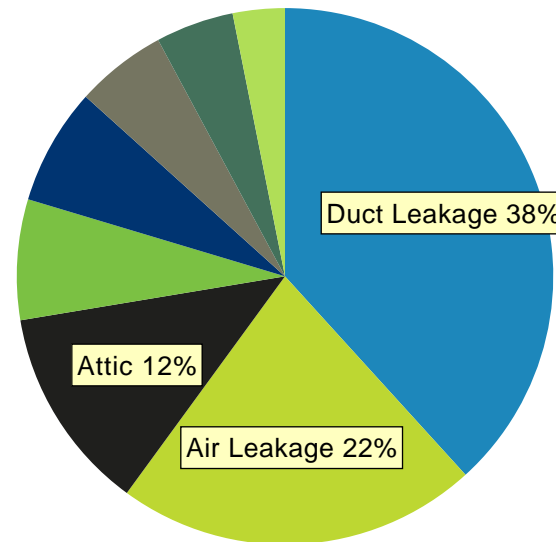
Energy Loss in Your Home

Energy loss, in BTUh* by building component, on the coldest night of the year

Duct Leakage	19,923
Air Leakage	11,347
Attic	6,427
Windows	3,782
Floors	3,665
Walls	2,856
Duct Insulation	2,452
Skylights	1,632
Total	52,085

*British Thermal Unit, a unit of energy. BTUh is used to quantify the heat loss or heat gain through the building envelope, as well as the power needed for domestic hot water

Energy loss by building component, on the coldest night of the year in your area



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Cooling Energy Loss

Where is energy being lost in your home?

We have calculated your home's actual performance through a method known as Air Conditioning Contractors of America (ACCA) Manual J. This process allows us to precisely understand how each component of your building affects your cooling load, and identify which areas are most appropriate to improve based on your health, comfort and efficiency goals.

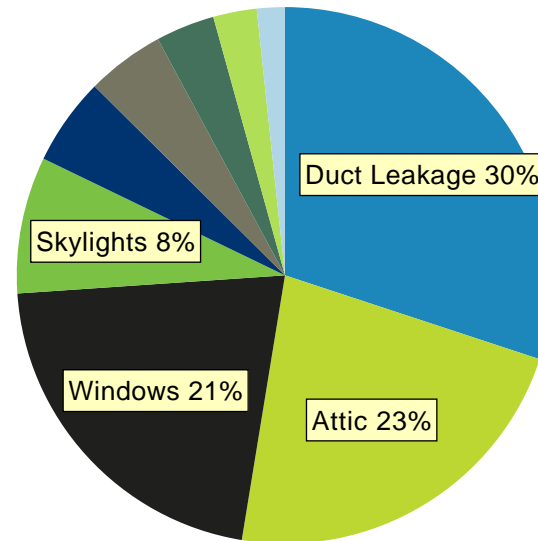
Energy Loss in Your Home

Energy loss, in BTUh* by building component, on the hottest day of the year

Duct Leakage	15,341
Attic	11,490
Windows	10,890
Skylights	4,206
Duct Insulation	2,693
Appliance Load	2,400
Walls	1,809
Air Leakage	1,340
Occupant Load	860
Total	51,030

*British Thermal Unit, a unit of energy. BTUh is used to quantify the heat loss or heat gain through the building envelope, as well as the power needed for domestic hot water

Energy loss by building component, on the hottest day of the year in your area



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Estimated Lighting Cost



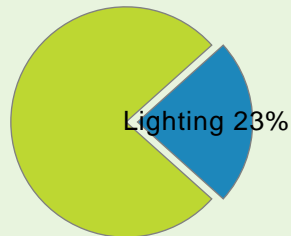
How much do you pay to light your home?

Lighting can be a major energy drain. While incandescent bulbs continue to be the most common lighting source in homes today, they are the least efficient and shortest-lasting option. 90% of the energy used to light an incandescent bulb is released as heat instead of light. Compact Fluorescent (CFL) bulbs provide very comparable light quality as compared with traditional incandescents, but only use 25% of the energy.

Estimated annual cost of lighting your home

\$88

Estimated percentage of your electric bill



Lighting cost per room

Location	Annual Cost
Kitchen	\$38
Family Room	\$16
Entry	\$13
Office	\$13
Dining Room	\$5
Bathroom, Guest	\$2
Front Hall	\$0
Bedroom, Master	\$0
Bathroom, Master	\$0
Total	\$88

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Air Leakage

How drafty is your home?

Reducing air leakage is often the single most effective step you can take towards a more efficient, healthy and comfortable home. Minimizing air leakage can reduce heating and cooling bills, and improve indoor air quality and comfort. During your energy audit we used a blower door to determine the percentage of air your home exchanges with the outdoors per hour.

Air Changes Per Hour

Envelope leakage at CFM50*	1,960
Natural ACH** (Air Change Per Hour)	0.36
ASHRAE*** Recommended Level	0.35

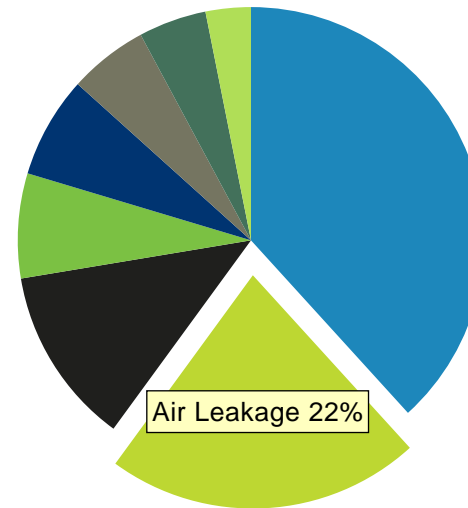
Equivalent to a 10 x 10 in² hole in your home

*Cubic Feet per Minute. Used to quantify the air flow through duct work, air infiltration, or ventilation.

**Air Changes per Hour. The number of times the home's air is replaced from outside in an hour.

***American Society of Heating, Refrigerating, and Air Conditioning Engineers.

Energy lost by air leakage, on the coldest night of the year in your area



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Cooling Windows

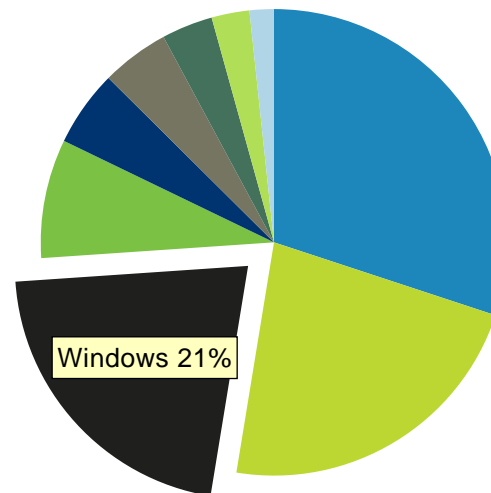
How efficient are your windows?

Windows are an important component of a well performing building envelope. It's important, however, to consider the energy savings potential of window replacement compared to other building envelope improvements as steps like building envelope sealing and insulation are typically more cost effective and will have a greater impact on improving comfort and health.

Window Information

Qty	Panes	Window	Frame Type
1	Double, Clear Glass	Operable Window or sliding glass door	Wood (including Metal Clad) or Vinyl
4	Single, Clear Glass	Operable Window or sliding glass door	Metal No Break

Energy lost by windows, on the hottest day of the year in your area



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Cooling Attic Insulation

How well is your attic insulated?

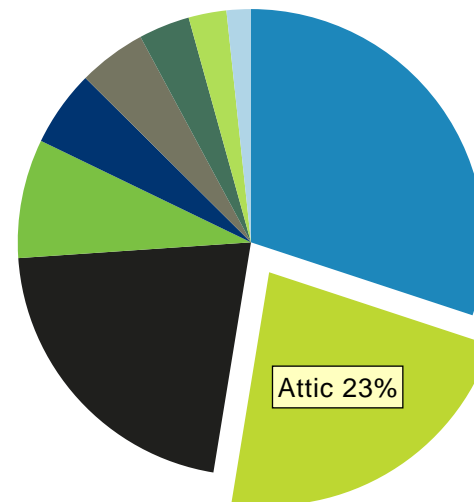
After air sealing, attic insulation is typically one of the best "bang for your buck" steps you can take towards a more efficient and comfortable home. Well installed attic insulation acts as a barrier to summer and winter heat loss to and from your attic. It's like a nice thick, winter hat for your home that saves you money all year round.

Insulation Type & R-Value

Insulation type	59% has Fiberglass, batts R-18 Poor installation quality
Insulation type	41% has no insulation
System R-Value	R-4

Recommended R-Value: R-30 or greater

Energy lost by attic, on the hottest day of the year in your area



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Duct Leakage & Insulation

How leaky is your ductwork?

Duct leakage is a major contributor to energy waste and poor indoor air quality. A duct system should act as a closed loop in which no indoor air is lost to the outdoors and no outdoor air is introduced into your home. A well sealed and insulated duct system is a key component to a healthy and efficient home.

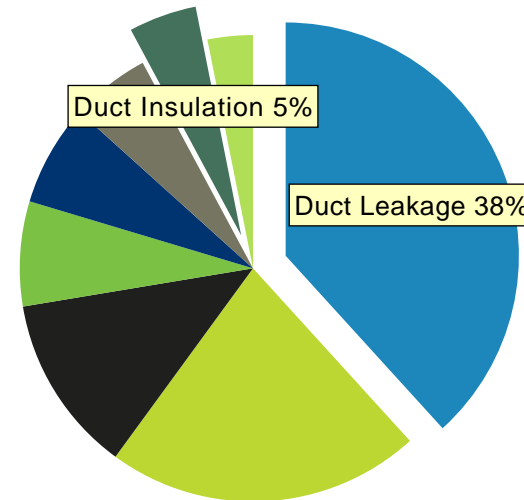
Duct Leakage & Insulation

% of Energy Lost Through Duct Leakage	38.25%
% of Energy Lost from Duct Insulation	4.71%

Insulation Level

R-4

Energy lost in your ducts, on the coldest night of the year in your area



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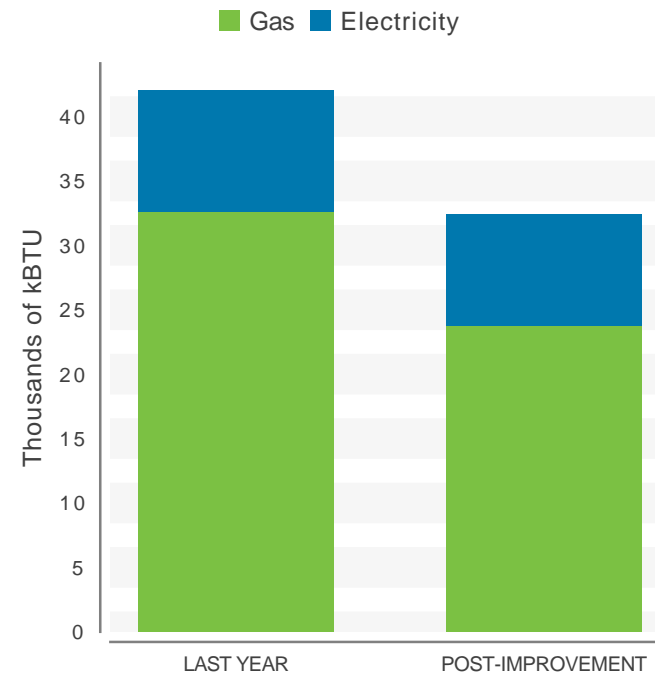
Savings Prediction (Energy)



Basic

Included Improvements

- Air Sealing
- Attic Insulation
- Duct Sealing



Savings

Electricity Usage	8%	234 kWh/yr
Gas Usage	27%	89 therms/yr
Total Savings	23%	9,660 kBTU/yr

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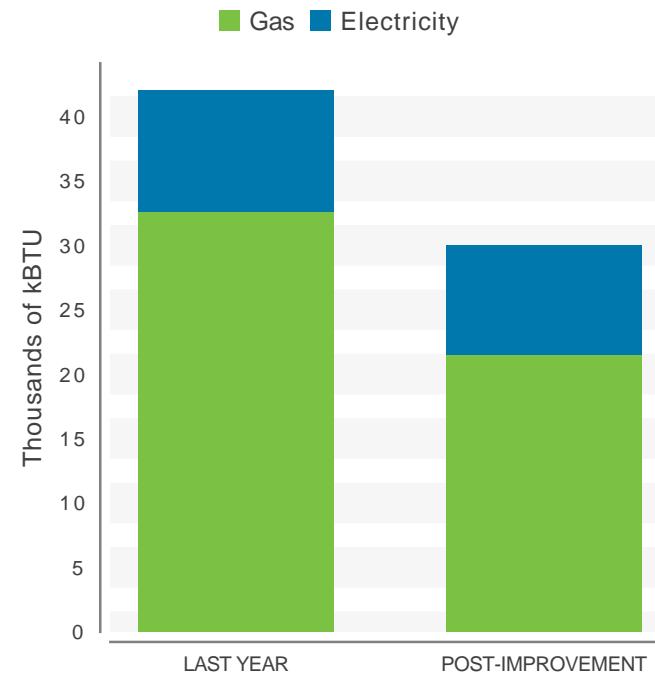
Savings Prediction (Energy)



Deluxe

Included Improvements

- Air Sealing
- Attic Insulation
- Duct Sealing
- Water Heater Replacement
- Window Replacement



Savings

Electricity Usage	10%	266 kWh/yr
Gas Usage	34%	111 therms/yr
Total Savings	29%	12,030 kBTU/yr

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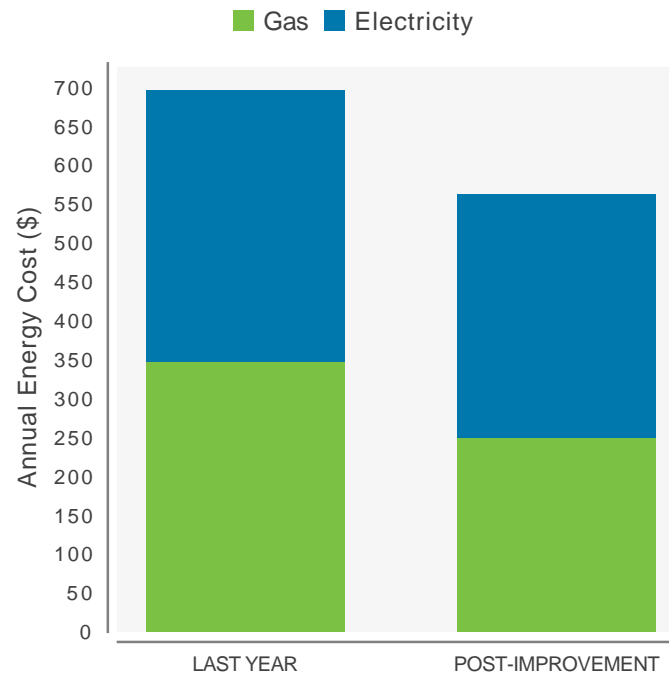
Savings Prediction (\$)



Basic

Included Improvements

- Air Sealing
- Attic Insulation
- Duct Sealing



Savings

Electricity Usage	10%	\$36 /yr
Gas Usage	28%	\$98 /yr
Total Savings	19%	\$134/yr

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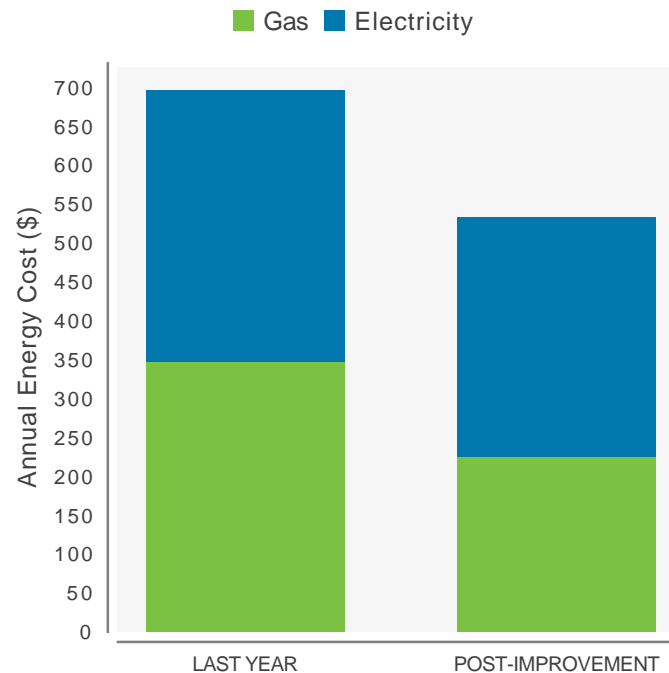
Savings Prediction (\$)



Deluxe

Included Improvements

- Air Sealing
- Attic Insulation
- Duct Sealing
- Water Heater Replacement
- Window Replacement



Savings

Electricity Usage	12%	\$41 /yr
Gas Usage	35%	\$122 /yr
Total Savings	23%	\$162/yr

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Everyday Energy Savers



Adjust Ceiling Fan Settings

This winter, set your fan settings to "low," and set the fan to turn clockwise to pull warm air from the ceiling back towards the floor.

In the summer, the fan should turn counterclockwise to keep air moving across your skin, keeping you more comfortable through evaporative cooling. This will enable you to turn up your thermostats a few degrees in summer to save on cooling costs without over heating.

Remember to turn off the fan when you are not in the room, because fans cool people, not rooms

Replace the fan's incandescent bulbs with CFL's if possible.

When shopping for a new fan keep in mind that ENERGY STAR fans circulate air up to 20% more efficiently than conventional models, and select models with Energy Star lighting as well.

Clean or Replace HVAC Filters

If your HVAC system is trying to circulate air through dirty filters, it works harder and costs you more to heat or cool your home.

Change or clean 1" filters monthly - or at least every three months. Change or clean 4" pleated filters every 6 months - or as recommended by the manufacturer.

Clean filters will make it easier on your heating and cooling system and will even make the air in your home cleaner and healthier for your family.

Also, don't ignore HVAC system maintenance. Servicing your heating and cooling system every one or two years can cut your bills by 3% to 10%.

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Everyday Energy Savers



Replace Incandescent Bulbs with CFLs

Standard incandescent light bulbs use more than 90% of their energy to generate heat, not light.

An ENERGY STAR compact fluorescent bulb (CFL) is one of the most energyefficient of all light bulbs, using 75% less energy and lasting up to 10 times longer than an incandescent bulb.

Replacing an incandescent bulb with a CFL can save about \$30 or more in electricity costs over the bulb's lifetime.

Use Power Strips

Even when they are turned "off," many products are still using energy.

Plug all of these devices into power strips or surge protectors, and when not in use, simply flip the switch on each strip to deactivate everything at once.

Turn off your computer and monitor when you are not using them.

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Everyday Energy Savers



Install Timers

A timer can cut back on energy costs by turning your electrical devices off at a predetermined time.

Much like a power strip, a timer can help also help eliminate phantom energy, which accounts for 5% of your annual energy usage. Instead of going into a standby mode, your devices are completely powered down when controlled by a timer.

If you have a continuously operating hot water recirculation pump, you should plug it onto a timer and set it to turn off when you are sleeping and away from your home. This will save energy used to heat the water flowing through the pipes and electricity to run the pump.

Save Water

Install a low-flow shower head, which uses about 2.5 gallons of water per minute (GPM) as opposed to 6 GPM from old showerheads. That means you can save 35 gallons of water during a 10-minute shower, which saves your furnace from heating more water, too.

Install an aerator on your kitchen faucet - this will also reduce water use greatly (faucets made after 1994 already have these).

Lower the temperature on your water heater to 120 degrees.

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