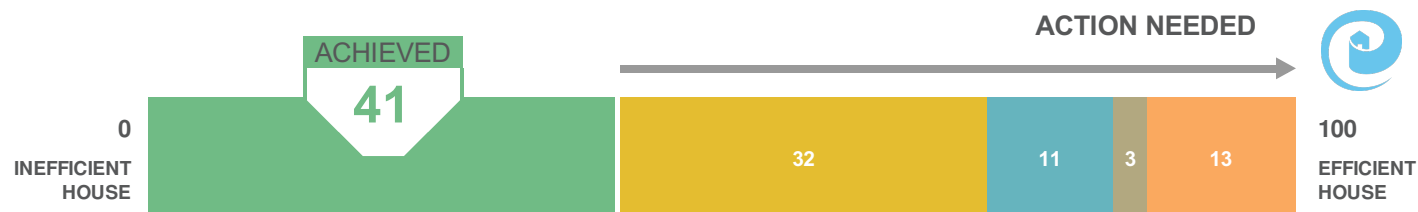


Energy Fitness Plan

For: Test Report
416 Testing rd, Minneapolis, MN 55343

By: Kyle Shannon, Dan May
Date: Nov 01, 2013

YOUR ENERGY FITNESS SCORE



ACHIEVED	ACTION NEEDED <i>by priority</i>	COST (\$)	REBATE (\$)
<ul style="list-style-type: none"> 80% AFUE heating system Partial attic insulation and air sealing Approximately 79% of windows meet minimum efficiency standards 	<ul style="list-style-type: none"> Insulate your exterior walls Air seal and insulate your attic Add storm windows to your single-pane windows Replace your furnace with 95% AFUE model before failure 	<ul style="list-style-type: none"> 2625 - 3150 3650 - 4375 - 3500 - 6000 	<ul style="list-style-type: none"> 300 500 - 400

HEALTH & SAFETY

ACHIEVED	ACTION NEEDED	COST (\$)	REBATE (\$)
Water heater passed combustion safety testing	Install continuous ventilation	600 - 800	-

EFFICIENT PRODUCTS

ACHIEVED	ACTION NEEDED
Programmable Thermostat	Install efficient lighting in 50% of fixtures

If you complete all of the items listed under "Action Needed" your home will qualify for Energy Fit Homes. Please see the report for additional information.



cee
Center for Energy and Environment
212 3rd Ave N Minneapolis, MN
<http://www.mncee.org>

For Questions: 612-224-2428
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ENERGY UPGRADES**WALL INSULATION:**

Sidewall: You have no insulation in your walls.

Recommendation: *Dense pack your walls with insulation to increase the R-value and reduce air leaks through your walls. Adding wall insulation can improve comfort, reduce energy use, and save money.*

Schedule an appointment with a contractor in the Quality Insulation Program to get a free estimate, and benefit from the high standards of this program. Refer to the handout provided by the home visit crew for more information. Cost is estimated at \$2625 to \$3150.

ATTIC INSULATION AND AIR SEALING:

Attic Insulation: You have insufficient Insulation in your attic.

Air Sealing: Blower door test result: 2502 cfm50 at 2655 sq. ft. This is equivalent to having a 1.8 sq. ft. opening in your home.

Recommendation: *Air seal and insulate your attic. Proper sealing of air leaks and adding insulation can not only save you energy and money, but can help prevent ice dams and improve your home's durability as well.*

Schedule an appointment with a contractor in the Quality Insulation Program to get a free estimate, and benefit from the high standards of this program. Refer to the handout provided by the home visit crew for more information. Cost is estimated at \$3650 to \$4375.

WINDOWS:

There are 3 single-pane windows without a storm window in your home.

Recommendation: *Install a storm window on the exterior of single-pane windows to cost-effectively reduce your energy usage. Although generally not justified by the energy savings alone, you may also consider replacing single-paned windows with double-paned, high efficiency, ENERGY STAR rated windows.*

HEATING SYSTEM:

Type: Forced Air Furnace

Venting: Induced Draft

Assumed Efficiency (AFUE): 80%

Model Year: Unable to verify; estimated age is less than 20 years old; average life is 20 years

Combustion Safety Test Result: Passed tests

Recommendation: *When it's time to replace your furnace, choose a minimum 95% Annual Fuel Utilization Efficiency (AFUE) model equipped with an Electronically Commutated Motor (ECM). If you decide to replace soon, be sure to take advantage of current rebates offered by CenterPoint Energy and Xcel Energy! Cost is estimated at \$3,500 to \$6,000.*

HEALTH AND SAFETY

WATER HEATER:

Type: Gas

Venting: Natural Draft

Estimated Age: 10 years or older; average life is 10 - 12 years

Combustion Safety Test Result: Passed tests

COMBUSTION SAFETY:

Carbon Monoxide (CO) Test:

Furnace: Passed

Water Heater: Passed

Combustion Spillage:

Furnace: Passed

Water Heater: Passed

Natural Draft Equipment: *Your water heater has natural draft venting. This type of venting can allow combustion gasses to spill back into the home during operation. The potential for this can increase after insulation and/or air sealing work are performed. If choosing not to replace the equipment, a spill alarm can be added to provide you peace of mind by alerting you if this occurs. Refer to the Appliance Combustion Safety handout provided by your home visit crew for more information.*

VENTILATION:

Mechanical ventilation is recommended for your home.

Recommendation: *Add a controlled source of fresh air for your home by installing mechanical ventilation. Mechanical ventilation, such as a continuously running bath exhaust fan, can improve your indoor air quality by removing pollutants and reducing excess moisture, which can lead to durability issues for your home as well as health issues for its occupants. Refer to the ventilation handout provided by the home visit crew for more information.*

ENERGY EFFICIENT PRODUCTS

INSTALLED IN YOUR HOME TODAY	NUMBER
Compact Florescent Light Bulbs	4
Refrig Thermometer	1
Water Heater Thermometer	1
Weather Stripping - Door	2

Install efficient lighting (CFLs or LEDs) in 50% of your fixtures

ACTION PLEDGES

Congratulations on your commitment to saving energy in your home! You have pledged to do the following actions:

- **Wash full loads of clothes in cold water.** Washing clothes in cold water can save up to \$85 per year* and can also help preserve your clothing!
- **Call contractor for a bid(s) on recommended work.** Call contractors in CEE's Quality Insulation Program to ensure that insulation and air sealing work in your home meets high industry standards.
- **Choose Energy Star when replacing major appliances.** When it's time to get new appliances (especially dishwashers, clothes washers, and refrigerators) purchase an ENERGY STAR model. For the maximum energy savings, consider purchasing an ENERGY STAR "Most Efficient" model, which represents the leading edge in appliance efficiency.
- **MN Energy Challenge.** Find additional ideas for actions you can take to save energy at the Minnesota Energy Challenge website: www.mnenergychallenge.org

*Savings estimates are based on an average Minnesota home.

REBATES

File for rebates once work is complete. You may qualify for the following rebates:

REBATE	AMOUNT	NOTES
CenterPoint attic insulation and air sealing	30% of cost, up to \$500	Work must be completed by contractor; currently available through 2/28/2014; need to file within 90 days of completing work; submit a copy of the first page of this report (in place of the CenterPoint Energy (CPE) Audit Report or Home Assessment Form), along with paid invoices and the CPE Rebate Application (download from CPE website or may be provided by the contractor). For details and downloadable forms, refer to the CPE website: www.centerpointenergy.com/rebates
CenterPoint wall insulation	30% of cost, up to \$300	Current insulation R-value must be R-0 on all sides of the home and must be improved to R-11 minimum on all sides of the home. Potential rebate eligibility as determined by CEE is based on the inspection of a single wall area only. Final rebate eligibility to be verified by the contractor and approved by CenterPoint Energy. Work must be completed by contractor; currently available through 2/28/2014; need to file for rebates within 90 days of completing work; submit a copy of the first page of this report (in place of the CenterPoint Energy (CPE) Audit Report or Home Assessment Form), along with paid invoices and the CPE Rebate Application (download from CPE website or may be provided by the contractor). For details and downloadable forms, refer to the CPE website: www.centerpointenergy.com/rebates
CenterPoint Furnace	\$300 for 94% to 95.9% AFUE furnace	Currently available through 2014; need to file for rebates by 12/31/14 and within 90 days of completing work; need to submit paid invoices to CenterPoint Energy along with the rebate application. See CenterPoint form for complete details: www.centerpointenergy.com/rebates . A \$400 rebate is available if you purchase the highest efficiency furnace - 96% AFUE or above.
Xcel Furnace	\$100	Currently available through 2014; gas furnace must be equipped with an Electronically Commutated Motor (ECM); Go to www.xcelenergy.com for details and application.
TOTAL REBATES:	\$1,200	

FINANCING

The following programs are available to you through the Center for Energy and Environment. Visit www.mnlendingcenter.org, call 612-335-5884, or email loaninfo@mncee.org for details.

Home Energy Loan Program - Eligible improvements include insulation, air sealing, heating, cooling, water heater and more!

- 2.99% fixed rate* (3.029% Annual Percentage Rate)
 - This program is only available to HES program participants!
 - Application must be submitted within 90 days of home visit.
 - APR based on \$10,000 for 5 years
 - Terms up to 60 months
 - \$10,000 maximum loan amount
 - Eligible projects include air sealing and insulation, space heating, air conditioning, and water heating
 - Heat pumps and solar excluded; subject to certain restrictions and efficiency ratings
- 4.99% fixed rate* (5.001% Annual Percentage Rate)
 - APR based on \$20,000 for 10 years
 - Terms up to 120 months
 - \$20,000 maximum loan amount
 - Eligible projects include air sealing and insulation, space heating, air conditioning, water heating, heat pumps, solar, windows, exterior doors, and light fixtures
 - Subject to certain restrictions and efficiency ratings

**Rates, terms and conditions are current as of the date of publication and are subject to change without notice.*

Minnesota Fix-Up Loan Program - Eligible Improvements include insulation, air sealing, heating, cooling, water heaters, and windows. In addition, most interior and exterior improvements are eligible as well as accessibility improvements.

- 4.99%-6.99% fixed rate* (5.307%-7.319% Annual Percentage Rate)
 - APR based on \$15,000 for 10 years
 - Terms up to 240 months
 - \$50,000 maximum loan amount
 - Income limits may apply

The current loan terms and conditions stated, including interest rates, do not constitute a commitment to lend or an offer to enter into an agreement, and such an offer may only be made pursuant to Minnesota Statutes, Section 47.206(3) and (4).

**Rates, terms and conditions are current as of the date of publication and are subject to change without notice.*

Other programs may be available. Contact CEE for more information.



Energy Fit Homes is a certificate program that recognizes existing homes as being energy efficient. By achieving this certificate, your home will be certified as performing at its peak energy efficiency, with all improvements done to meet health and safety standards. It will also provide value at the time of sale for improvements you have made to your home, and assure a potential homebuyer that they are purchasing an energy-efficient home. To qualify, you will need to complete all of your recommendations and submit a completed application. If you are interested in learning more about Energy Fit Homes, contact ismith@mncee.org or 612-335-3483.