



## Energy Audits

We are pleased to offer our members two home energy audit options. We would like to help you save money on your electric bill by looking for ways to control your energy use. The best way to do this is to be aware of how much energy you use each month and how it is being used in your home, and don't forget we offer **Energy Conservation Rewards**.

### Option A

#### Basic Home Energy Audit

You can easily conduct a basic home energy audit with a simple diligent walk-through. Complete the enclosed **Home Energy Audit** form and **Home Energy Audit Questionnaire** and return them to CWEC. Once the audit and questionnaire are reviewed by our team, we will give you a call to go over the results, talk about any concerns found, and discuss the next steps. We also use this information to offer energy saving tips. There is no charge for this audit.

- 1. Complete the **Home Energy Audit** and **Home Energy Audit Questionnaire**, and return both to CWEC.
- 2. Once CWEC reviews the information, we will call you and go over what we found.

### Option B

#### Professional Audit

We've partnered with a state certified auditor to perform a more comprehensive audit. This audit will determine if your home has areas of heat loss, missing insulation, or other energy consumption concerns. You'll receive a report that includes infrared photos, identifies areas of concern, and lists energy saving recommendations specific to your home. There is a charge for this audit, but rebates offered by the Co-op could help offset the cost.

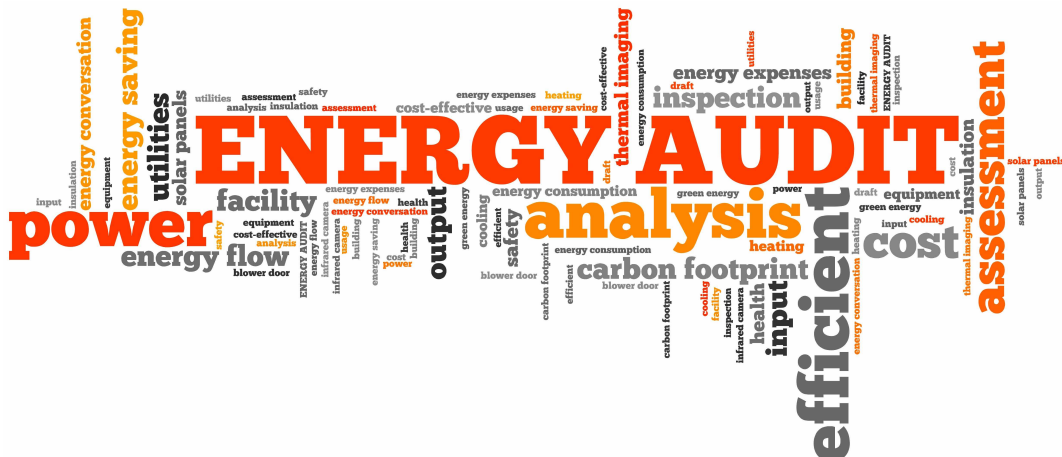
The cost of the audit is \$350.00. We will reimburse the member for the cost of the audit per completed recommended measure up to \$350.00 (not to exceed the cost of the inspection).

Energy Audit Reimbursement:

- Complete 1 measure - \$150.00
- Complete 2 measures - \$100.00
- Complete 3 measures - \$100.00

Each member account qualifies for only 1 Professional Audit every 5 years, regardless of the number of audits performed and regardless of the number of measures implemented.

For more information refer to page 5 - Professional Audit



\*CWEC only services up to the meter, a licensed electrician must check any other electrical concerns.



**Option A**

# Home Energy Audit

Name: \_\_\_\_\_ Number in household \_\_\_\_\_ Map Loc \_\_\_\_\_

Item	Wattage	Hours	Monthly Usage	How Many	Age of item
<b>Heating &amp; Cooling</b>					
Air Conditioner ( <i>room</i> )	1000	120	120		
Air Conditioner ( <i>central</i> )	3000	120	360		
Furnace Fan ( <i>cold months</i> )	750	360	270		
Portable Heaters	1500	240	360		
Edan Pure	1500	240	360		
Aerator	400	120	48		
Ceiling Fans	100	150	15		
Window Fans	150	60	9		

**Appliances**

Coffee Maker	1000	30	30		
Dehumidifier	500	360	270		
Humidifier	100	150	15		
Dishwasher	1200	30	36		
Washer	700		15		
Dryer	3000	20	60		
Freezer ( <i>12-15 cu. Ft.</i> )	250		30		
Freezer, frost free ( <i>12-15 cu. Ft.</i> )	350		50		
Refrigerator ( <i>12-14 cu ft</i> )	150		30		
Refrigerator ( <i>16'</i> )	175		50		
Refrigerator ( <i>20'</i> )	200		60		
Microwave	1200	15	15		
Range	1500	45	67.5		
Water Heater	4000		300		
Water Pump	1000	45	45		
Other Small Appliances			50		

**Miscellaneous**

Computers	150	120	32		
Television ( <i>plasma</i> )	80	120	32		
Television ( <i>LCD</i> )	80	120	24		
Lighting ( <i>indoor or outdoor high Kwh usage lighting</i> )			50		
Hot Tub	5500	60	330		
Video Games ( <i>X-Box, etc.</i> )	100	120	12		





Option A

Home Energy Audit Questionnaire

We know saving energy often means saving money, but did you know that having an energy-efficient home can help out even more?

Making energy efficiency improvements is pretty easy, too! Tell us a bit about your home and we'll give you quick tips and fixes, designed around your space, to help you cut down on your energy and costs.

Name: \_\_\_\_\_ Map Location \_\_\_\_\_

Address: \_\_\_\_\_

Basic Home Energy Use Assessment:

How many people live in your home? \_\_\_\_\_

Have you purchased anything new in the last 2 months that uses electricity? \_\_\_\_\_

Have your living habits changed? (example Guests visiting, another person living with you, someone home more hours, etc.) \_\_\_\_\_

Basic Home Information:

How old is your home? \_\_\_\_\_

How many windows do you have in your home? \_\_\_\_\_ How old are your windows? \_\_\_\_\_

How many doors do you have in your home? \_\_\_\_\_ How old are your doors? \_\_\_\_\_

Have you done any home insulation recently?  Yes  No If yes, how long ago and where? \_\_\_\_\_

Home Energy Saving:

Lighting

What type of lighting do you have?  LED  CFL  Incandescent

Average wattage? \_\_\_\_\_

Water Heater

How old is your water heater? \_\_\_\_\_  Electric or  Gas

What temperature is it set at? \_\_\_\_\_

Water Pump

How old is your water pump? \_\_\_\_\_

Have you noticed your pump running more than normal?  Yes  No

Refrigerator(s)

Have you vacuumed the coil behind and under your refrigerator(s) in the last year?  Yes  No

Medical Equipment

What kind? \_\_\_\_\_

Is it plugged in all the time?  Yes  No If not, how many hours a day is it used? \_\_\_\_\_

Home Computers

Left on sleep mode or  Shut down

Out Building(s)

What type of out building(s) do you have?

Garage  Workshop  Barn

Lighting

What type of lighting do you have in each that you checked above?  LED  CFL  Incandescent

Wattage? \_\_\_\_\_

How many hours of usage a week? \_\_\_\_\_

Do you have outdoor lighting?  Yes  No

What kind of outdoor lighting? \_\_\_\_\_

Wattage? \_\_\_\_\_ Is it set up on  motion sensor  dusk-to-dawn  24/7

# Continued . . . Home Energy Audit Questionnaire

## Season Usage:

### Summer-

Are you watering your lawn or garden?  Yes  No

How many hours a day? \_\_\_\_\_

Do you use a window air conditioner?  Yes  No

How many hours a day? \_\_\_\_\_

Do you use Central Air?  Yes  No

What temperature is it set at and how many hours a day does it run? \_\_\_\_\_

Do you use a dehumidifier?  Yes  No

How old is your dehumidifier? \_\_\_\_\_ How many hours a day does your dehumidifier run? \_\_\_\_\_

Do you have a camper/RV plugged into your home outlet?  Yes  No How many hours a week? \_\_\_\_\_

Is anything running inside those vehicles that would use electricity?  Yes  No

### Winter-

Do you use anything with a heating element? How many hours a day do you use each?

- Heating tape  Yes  No How many hours a day? \_\_\_\_\_
- Engine Heaters for vehicles and tractors  Yes  No How many hours a day? \_\_\_\_\_
- Water tank heaters for animals  Yes  No How many hours a day? \_\_\_\_\_
- Bird baths  Yes  No How many hours a day? \_\_\_\_\_
- Water dish heaters for animals  Yes  No How many hours a day? \_\_\_\_\_
- Heat lamps for animals  Yes  No How many hours a day? \_\_\_\_\_
- Pump house heaters  Yes  No How many hours a day? \_\_\_\_\_
- Space heater/Eden Pure  Yes  No How many hours a day? \_\_\_\_\_

What type of heating do you use in your home? \_\_\_\_\_

How old is your furnace? \_\_\_\_\_

How often do you replace your furnace filter? \_\_\_\_\_

What temperature do you set your thermostat at? \_\_\_\_\_

Do you have an air purifier fan on your furnace? How many hours a day does it run? \_\_\_\_\_

Have you had your furnace professionally cleaned in the last year?  Yes  No

Do you have a humidifier on your furnace?  Yes  No

If your home is a mobile home, do you have heaters underneath to keep the pipes from freezing?  Yes  No

Christmas Lights

Inside  Yes  No

What kind? \_\_\_\_\_ Wattage? \_\_\_\_\_ How many hours a day are they plugged in? \_\_\_\_\_

Outside  Yes  No

What kind? \_\_\_\_\_ Wattage? \_\_\_\_\_ How many hours a day are they plugged in? \_\_\_\_\_

**Drafty window?  
Switch it.**

With a home energy audit, you can see how to improve the efficiency of your home.



HOME ENERGY AUDIT PROGRAM





## Option B

# Professional Audit

On Site Performance Testing, LLC was founded by David and Barbara Geissler as an energy consulting firm for existing homes and new home construction/certification with 40 years of building experience.



At On Site Performance Testing, LLC, we are the only **third party testing company** in the area and our goal is to make homes more energy efficient through data supported testing which includes: blower door testing, infrared scanning, combustion safety testing, and ventilation system checks. The blower door will depressurize the home and with the infrared camera we can detect where there is air leakage and where there is a lack of insulation.

Because we are a third party we will give you unbiased recommendations to make your home energy efficient, comfortable, safe and durable. We have the ability to help resolve problems like ice damming, mold and moisture issues and promote energy savings. The recommendations are listed on a very detailed report along with pictures to help you understand your in-home issues.

1. If it is determined that the next step is setting up a professional home energy efficiency audit you can contact the certified auditor listed below to set up a convenient time for them to come to your home to perform the audit. If you choose to contact another auditor they must be a state certified auditor.
2. Home energy efficiency recommended improvements must be completed within 12 months of the audit date.
3. Projects should be related to electrical reduction and or/electrical efficiency
4. All documentation below must be submitted no later than 3 months after improvements are completed.
  - ✓ A copy of the audit receipt or invoice showing date of audit and cost of audit
  - ✓ Copy of the audit documentation
  - ✓ Documentation showing improvements have been completed (paid receipts for purchases of windows, doors, insulation, etc.)
5. Additional eligibility criteria may apply. Contact cooperative for details.



### Contact Information:

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Website: [www.onsiteperformancetesting.com](http://www.onsiteperformancetesting.com)



## Energy Conservation Rewards

We are a strong advocate of energy conservation and using renewable energy sources. To make our member's energy projects more affordable we offer energy conservation rewards.

To apply for energy conservation rewards send CWEC a copy of your paid store receipt showing the purchased item(s). For household appliance requests include a copy of the yellow energy guide label that includes the energy star logo.

### Lighting

LED ..... 50% of cost - Up to \$75.00

### Heating & Cooling

Geothermal Heat Pumps ..... 10% unit cost, maximum \$650

Electric Thermal Storage – Whole House ..... 10% unit cost, maximum \$500

Dual Fuel Electric..... \$250

Electronically Commutative Motor ECM..... \$100

High Efficient Boilers ..... \$150

Central Air SEER Rating 15+ ..... \$100

Programmable Thermostat ..... 50% of unit cost, maximum \$200

### Weatherization

Air Sealing/Insulation Reward ..... 50% of cost, maximum \$250

New Windows & Doors ..... \$25 per, maximum \$250

### Household Appliances—refrigerator, washer, dishwasher, freezer, microwave, dehumidifier, window air conditioner, and air exchange (*energy guide label must include the energy star logo to qualify*)

Energy Star Rebate ..... \$25 per Energy Star appliance

Refrigerator & Freezer Recycling ..... \$25 per appliance (not to exceed cost of recycling)

### Electric Water Heaters

New Construction..... Free 50 gallon AO Smith

Conversion from gas ..... Free 50 gallon AO Smith

Replacing Electric ..... \$100 rebate

*\*Free or rebated water heaters require enrollment in load management program*

Solar Water Heaters ..... \$20 per therms saved, Cap of 25% total cost of system or

..... \$1,500 whichever is less.

Heat Pump Water Heaters ..... \$250

### Renewables

Solar Electric Systems ..... Reward – 30% of System Cost, maximum \$1,500

Wind Systems..... Reward – 30% of System Cost, maximum \$1,500

*\*Renewables require prior co-op approval and Interconnection Agreement*

### Farm

Safety First Program..... Loan and Grant Program to assist dairy farmers with rewiring projects.

Dairy Refrigeration Tune-up ..... 50% with \$150 cap

Irrigation Pump Inspection ..... 50% with \$150 cap

Conservation ..... Please call for schedule.

### Business

Please call for current listing.