Central Wisconsin Electric Cooperative
Your Touchstone Energy® Cooperative
10401 Lystul Rd • PO Box 100 • Rosholt, WI 54473
715-677-2211 or 800-377-2932 • Fax 715-677-4333
www.cwecoop.com

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.

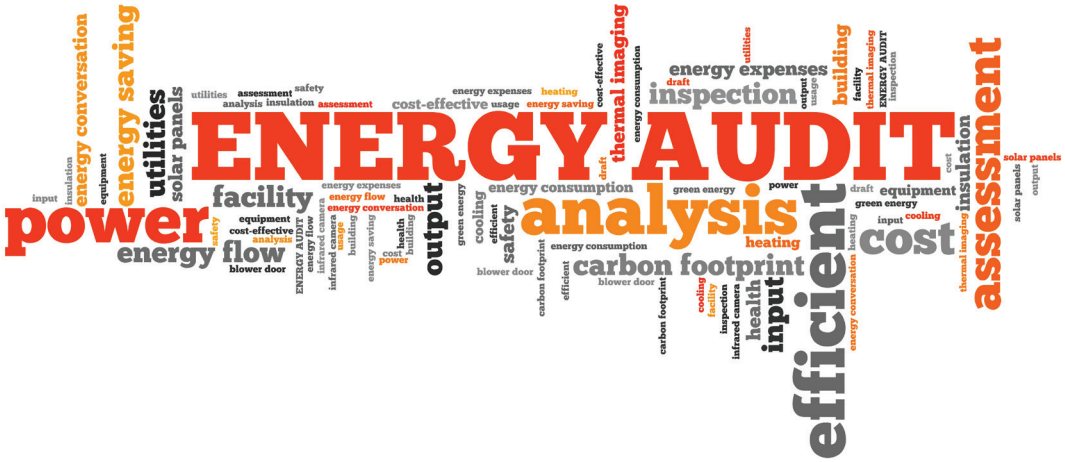
The cost of the audit is $375.00. We will reimburse the member for the cost of the audit per completed recommended measure up to $375.00 (not to exceed the cost of the inspection).

Energy Audit Reimbursement:

Complete 1 measure -$150.00
Complete 2 measures - $125.00
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.

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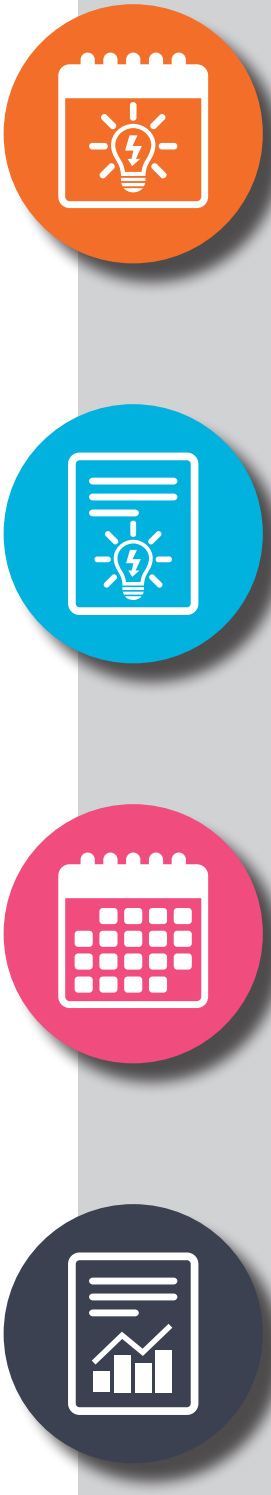
ENERGY AUDIT

Option A

Home Energy Audit

Name:_____ Number in household _____ Map Loc _____

Item	Wattage	Hours	Monthly Usage	How Many	Age of item
Heating & Cooling					
Air Conditioner *(room)*	1000	120	120		
Air Conditioner *(central)*	3000	120	360		
Furnace Fan *(cold months)*	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 *(12-15 cu. Ft.)*	250		30		
Freezer, frost free *(12-15 cu. Ft.)*	350		50		
Refrigerator *(12-14 cu ft)*	150		30		
Refrigerator *(16')*	175		50		
Refrigerator *(20')*	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 *(plasma)*	80	120	32		
Television *(LCD)*	80	120	24		
Lighting *(indoor or outdoor high Kwh usage lighting)*			50		
Hot Tub	5500	60	330		
Video Games *(X-Box, etc.)*	100	120	12		



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ENERGY AUDIT

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 form freezing? ❒ Yes ❒ No

Christmas Lights

Inside ❒ Yes ❒ No

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

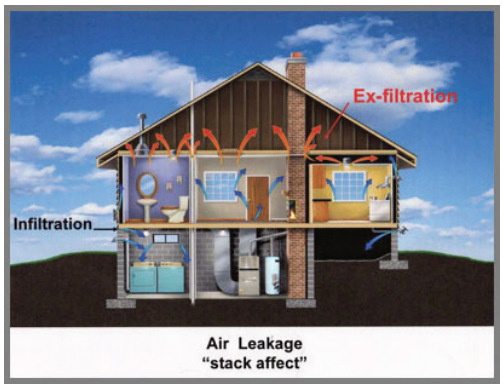
Outside ❒ Yes ❒ No

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

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.

On Site Performance Testing, LLC

Contact Information:
David and Barbara Geissler
On-Site Performance Testing, LLC
4628 143rd Street
Chippewa Falls, WI 54729
Office: 715.579.4788
Email: osptllc@gmail.com
Website: www.onsiteperformancetesting.com

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ENERGY AUDIT

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.

Residential Lighting	
LED Bulb	50% of cost up to $75 on all LED lighting
LED Fixture	50% of cost up to $75 on all LED fixtures
Non-Residential Lighting	
LED Bulb (screw-in) Five bulb minimum	$1 each
LED Fixture	$1 per 800 lumens in the fixture
T5 LED Tube	$5 per lamp fixture, capped at 50% of cost
T8 LED Tube	$2 per lamp fixture, capped at 50% of cost
Occupancy Sensor	$5 each
LED Exit Sign	$5 each
Power Strips & Water Flow Restrictors	
Flow Restrictor - Faucet, < 1.5 GPM	$1 each
Flow Restrictor – Shower, < 2.5 GPM	$5 each
Smart Power Strip/Bar *(includes Wi-Fi power strips)*	$25 each, capped at 50% of cost
Heating & Cooling	
Geothermal Heat Pumps	10% of unit cost, $750 cap
Electric Thermal Storage-whole house	10% of unit cost, $500 cap
Air Source Heat Pump (includes mini-split)	$300
Dual Fuel Heat Pump	$300
95% AFUE Single-or Multi-Stage Furnace	$100
96% AFUE Single-or Multi-Stage Furnace	$150
97%+ AFUE Single-or Multi-Stage Furnace	$200
ECM Replacement (must replace existing PSC Motor)	$35
90-94% AFUE Heating Boiler	$300
95%+ AFUE Heating Boiler	$400
90-94% AFUE Combination Boiler	$400
95%+ AFUE Combination Boiler	$500
Central Air SEER rating 14+	$150
Programmable Thermostat	50% of unit cost, $200 cap
Energy Audits	
Inspection Allowance	Please call for more Information or go to www.cwecoop.com *(CWEC only services up to the meter, a licensed electrician must check any other electrical concerns)*

Continued. . . Energy Conservation Rewards

Weatherization – Does not apply to new construction

Air Sealing	50% of cost, $250 cap
Wall Insulation	50% of cost, $300 cap
Attic Insulation	50% of cost, $350 cap
Foundation Insulation	50% of cost, $100 cap
Duct Sealing	50% of cost, $50 cap
Replacement Windows & Doors	$25 per, $250 cap

Household Appliances -refrigerator, washer, dryer, dishwasher, freezer, microwave, dehumidifier, window air conditioner, air exchange, inductive range, and stove *(energy guide label must include the energy star logo to qualify) (mini fridges are not eligible)*

Energy Star Rebate	$30 per Energy Star electric appliance
Recycling-refrigerator, freezer, & room air conditioner *(mini fridges are not eligible)*	$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

**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 $500, whichever is less
Heat Pump Water Heaters	$250

Renewables

Solar Electric Systems	30% of system cost, maximum $500
Wind Systems	30% of system cost, maximum $500

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

Agriculture, Commercial & Industrial

Dairy Plate Cooler/Well Water Pre-Cooler	$500
Dairy Refrigeration Heat Recovery w/Electric Backup	$300
Low Energy Livestock Waterer ≤ 500 watts, insulated tank	$90
Zero Energy Livestock Waterer ≤ 500 watts, insulated tank	$110
Dairy Refrigeration Tune-up	$50
Compressed Air Audit	$500
High-Volume Low Speed Fan (HVLS)	$50 per fan
Exhaust Fan	$4 per inch

Fans ≤ 36" must be ≥ 18 pounds force/kW
Fans ≥ 36" must be ≥ 21 pounds force/kW
Fans must be AMCA or University of Illinois BESS Lab rates
Enter inches of each fan:_____
Enter efficient rating in cfm/watt @ 0.05" SP:_____

Circulation Fan	$3 per inch

Fans ≤ 36" must be ≥ 18 pounds force/kW
Fans ≥ 36" must be ≥ 21 pounds force/kW
Fans must be AMCA or University of Illinois BESS Lab rates
Enter inches of each fan:_____
Enter thrust rating in pounds force/kW:_____

Scroll Refrigerator Compressor	$50 per HP

Maximum incentive $1,000/compressor
Enter HP of each compressor:_____

Continued. . . Energy Conservation Rewards

Variable Frequency Drive (VFD): Ag primary use water system . . . .$80 per HP
Minimum ½ HP to qualify
Maximum incentive $1,000/drive
Enter HP of each VFD: _____
Variable Frequency Drive (VFD): Ag secondary use water system. .$65 per HP
Minimum ½ HP to qualify
Maximum incentive $1,000/drive
Enter HP of each VFD: _____
Variable Frequency Drive (VFD): Irrigation well pump. . . . . .$65 per HP
Minimum ½ HP to qualify
Maximum incentive $1,000/drive
Enter HP of each VFD: _____
Variable Frequency Drive (VFD): Ventilation/circulation fan . . . .$65 per HP
Minimum ½ HP to qualify
Maximum incentive $1,000/drive
Enter HP of each VFD: _____
Variable Frequency Drive (VFD): Process Pump . . . . . .$65 per HP
Minimum ½ HP to qualify
Maximum incentive $1,000/drive
Enter HP of each VFD: _____
Variable Frequency Drive (VFD): Constant torque. . . . . .$50 per HP
Minimum ½ HP to qualify
Maximum incentive $1,000/drive
Enter HP of each VFD: _____
Irrigation Pump Inspection . . . . . .50% of cost, $150 cap
Commercial Grade Electric Water Heater $250
80 gallon or larger