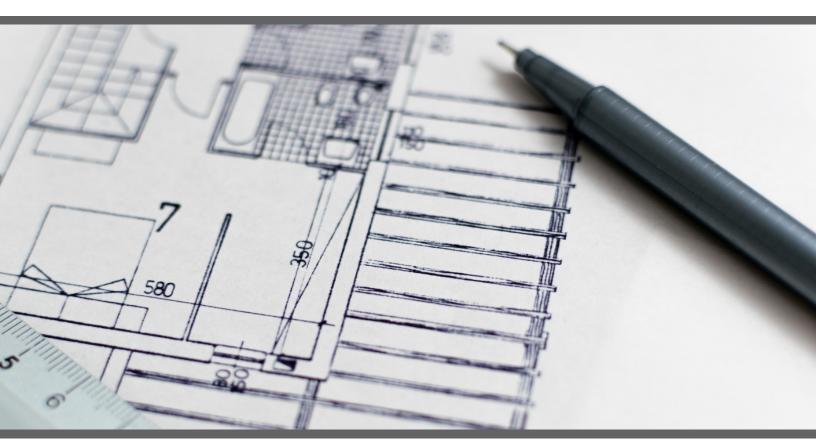


LAKE REGION ELECTRIC COOPERATIVE **Energy Wise® PROGRAM & RESOURCE GUIDE**

Updated 1/30/2025

PROGRAM & RESOURCE GUIDE TOPICS

- » Energy Wise® Programs
- » Service Procedures
- » Service Revision Procedures
- » Technical Resources



LREC is an equal opportunity provider and employer.

LREC PROGRAM AND RESOURCE GUIDE

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LREC CONTACTS

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Local calls (218) 863-1171

Long distance calls (800) 552-7658

LREC Website www.lrec.coop (Information and forms available)

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Energy Wise® RESIDENTIAL PROGRAM OVERVIEW

Lake Region Electric Cooperative's (LREC) Energy Wise programs give members an option to lower their costs by allowing the utility to manage certain electrical loads. They are available to any member who meets requirements described in this booklet. There are three types of controlled loads:

Water Heating

- » 8-hour peak shave minimum 80 gallon storage
- » ETS minimum 100 gallon storage »Mixing valve required
- » See page 6 for details

Space Heating

- » Dual fuel
- » Storage space heating
 - »Short-term storage
 - »ETS Long-term storage

GENERAL REQUIREMENTS & CONDITIONS

Circuits originating from the main load center are metered at the retail rate. Circuits originating from the load management load center are submetered at the off-peak rate.

LCTs require a 240-volt source on the red and black leads. If the LCT is powered by a breaker, the breaker must be rated at 20 amps or less and be wired so that the entire electric heat load is turned off when power to the LCT is interrupted. (See wiring diagram LM011-LCT.)

If the LCT is powered by a circuit with inline fuses, the minimum is a 15 amp slow blow type fuse.

Dual Fuel Systems

To qualify for dual fuel programs, the customer must have both an electric heating system and an alternate fossil fuel heating system. No exceptions.

The alternate propane, natural gas or fuel oil system must be capable of heating a home and/ or garage with average insulation based on 3.5 BTUs per cubic foot or the home's heat loss. It also must be hard wired and be capable of starting and operating automatically during control periods. The alternate heating system must be located on each level or be capable of heating each level of a multi-level home. Wood, corn or pellet systems do not qualify as alternate heating systems. Up to 1500 watts of auxiliary uncontrolled electric heat is allowed in specified areas and must be metered at the retail rate

* Minimum load of 5 Kw for Dual Fuel.

Heat Pumps

Installation of a heat pump is encouraged. The compressor may be cycled 30 minutes out of every hour for up to six hours daily during the cooling season (Heat pumps that are separately metered under the dual fuel program are not eligible for an additional cycled A/C credit because they already receive a reduced rate).

If a ground source heat pump uses domestic well water, the well pump must be wired through the main panel and will be metered at the regular retail rate. EXCEPTION: A separate, dedicated well for the heat pump only is part of the submetered load.

Water Heating Programs

Off-peak water heating program requirements vary. Instant on water heaters do not qualify. Please refer to program descriptions for specifics.

ALL PROGRAM REBATE REQUIREMENTS

Customer is required to remain on program for 36 months. Rebates are subject to prorated repayment for early termination. Rebates are subject to change. Please contact LREC to check current rebate status as funds are limited.

INSTALLATION REQUIREMENTS

Water Heaters

Unmetered (Peak Shave) and separately single metered water heater controllers may be installed by LREC when installed on a single circuit. If adding a second controlled load to a single existing water heating controlled load, the member is responsible for conversion costs associated with bringing the system into compliance with current LREC requirements.

Submetered Loads

Most load management programs require a submeter (subtractive metering). A double 200-amp pedestal holding the main service meter and the submeter in one unit is also available. Pedestal cost is billed to the member. If member is interested in LREC generator program, it may be advantageous to install separate pedestal for direct metering.

One submeter per rate is allowed. Additional submeters must be approved by LREC and are billed to the customer or contractor per their request. One submeter per structure is recommended since ETS and dual fuel rates as well as domestic and nondomestic rates are different. However, if all loads originate from one submeter, the higher off-peak rate will apply to all loads.

Construction Sub Meter

When the electric heat portion of a dual fuel off-peak system is used for construction heat, and the backup fossil fuel system is non-operational, LREC may allow a construction phase sub meter installation in a sub panel meter socket between October 1 and May 1 under these conditions:

- 1. No water service is installed.
- 2. Some off-peak circuits are operational and controlled by an LREC control box.
- 3. Owner agrees in writing to the following:
 - a. The totally functional back-up system will be completed within six months or by May 1,

whichever comes first.

b. To notify LREC to perform the final inspection of a dual fuel system.

An adjustment for accumulated kWh on a sub meter will be applied to the bill after inspection and approval when completed by May 1.

Metered Off-peak Loads

The customer is required to provide a submeter socket and distribution panel from which all electric heat and combination water heater circuits will originate. The cost of any modifications required to meet LREC requirements is paid by the customer. The use of current transformer metering for submetered loads requires prior approval. Current transformers for submetered loads are supplied by LREC and billed to the owner. All current transformer meter sockets must have a lever bypass.

Heating Circuits and Wiring

After a completed application has been received, LREC will provide one LCT at no charge to either the customer or the electrician on request.

The LCT has two relays:

- 1. 30 amp single pole, normally-closed relay.
- 2.24 volt, 3 amp normally-closed relay.

See diagram inside LCT cover for specific application requirements, LM011-LCT wiring diagram also on page 17 of this book.

All installations must be wired as required by LREC and the National Electric Code (NEC).

Off Peak System Maintenance

When maintaining or troubleshooting off peak systems, please notify LREC to re-inspect and reseal panels.

Energy Wise® PROGRAM APPLICATION PROCEDURE

Homeowner Contacts LREC

» Energy Wise program material is sent to members on request, or can be found on LREC's website, www.lrec. coop. LREC makes initial on site visit, if necessary.

LREC Initial On-site Visit

» Required when adding fossil fuel to existing electric system or when installing short- or long-term storage

- and heating systems.
- » Not required for water heater installation or when adding electric heat to existing fossil fuel heating source (minimum 5kW).

Homeowner Responsibilities

» Complete load management application and return to LREC and select contractor.

Contractor Responsibilities

- » Request load control transponder (LCT)
- » Supply and install submeter socket, sub panel and relays according to LREC wiring diagram LM011-LCT and NEC requirements.
- » Notify LREC when installation is completed. Leave wiring certificate in meter socket, or mail the utility copy of wiring certificate to LREC, P.O. Box 643, Pelican Rapids, MN 56572.
- » Submeter will not be installed without wiring certificate.

LREC On-site Inspection

» LREC technician inspects completed installation and installs submeter.

EXPECTED LOAD CONTROL

Control times are specified for each Energy Wise program. Because of increased demand and higher wholesale costs, control times may approach the maximums.

However, in spite of increased control times, load management programs still make economic sense because the rate is about half of the regular rate for the controlled load.

On a broader scale, load control lowers the demand portion of LREC's energy bill, which will play an increasingly important role in keeping rates lower.

Daily load control information is available on our website at www.lrec.coop. Click *Load Control Button*.

ENERGY GRANTS

Commercial & Industrial (C&I); Agricultural

C&I and agricultural energy grants are available to qualifying members who make necessary conservation and efficiency improvements.

Grant awards are predetermined for each improvement or installation. Grants for large projects will be calculated on energy savings (and demand savings, if applicable.)

Eligible grant programs include:

- » Retrofit lighting (see page 28)
- » C&I cooling
- » New and retrofit premium efficiency motors
- » Variable speed drives
- » Beverage machine controllers
- » Custom energy saving projects

Funds are limited and awarded on a first-come, first-served basis.

HIGH-EFFICIENCY, INSTALLATION-BASED REBATES

Central A/C and Air Source Heat pumps

This HVAC program is designed to encourage residential installations of high-efficient central air conditioners and air source heat pumps and promote properly installed systems. In order to generate maximum electric energy savings, it is essential that the equipment is installed according to manufacturer's specifications. This program seeks to validate four components of the installation: proper sizing, air flow, refrigerant charge and duct sealing.

Ductless-mini-split units are not eligible for this rebate, but may be eligible for participation in the EnergyStar appliance equipment program.

REBATE QUALIFICATION

To qualify for rebates, members must complete a rebate application and submit the appropriate documents. Online or printable forms can be found on our website or by contacting our Energy Services Department. An additional rebate is available if the installing contractor is QI Certified. To determine if your contractor would be eligible you can search for them on the following site: hvacree.net/gre/public_search.cfm.

DUCTLESS AIR SOURCE HEAT PUMP

\leq 1 Ton \geq 14.3 SEER2 & \geq 7.5 HSPF2	\$150
\leq 1 Ton \geq 15.2 SEER2 & \geq 8.1 HSPF2	\$250
$> 1 \text{ Ton} \ge 14.3 \text{ SEER2 } \& \ge 7.5 \text{ HSPF2}$	\$750
$> 1 \text{ Ton} \ge 15.2 \text{ SEER2 } \& \ge 8.1 \text{ HSPF2}$	\$1,000
DUCTED AIR SOURCE HEAT PUMP	
\leq 5 Ton \geq 14.3 SEER2 & \geq 7.5 HSPF2	\$750
\leq 5 Ton \geq 15.2 SEER2 & \geq 8.1 HSPF2	\$1,000
QI ASHP **	
Additional rebate for ductless/ducted ASHP	\$40/ton

NEW SERVICES & SERVICE REVISIONS

Communication

Communication between owners, contractors and LREC is essential since guidelines vary between utilities. LREC contact numbers are on page 2.

New Services

New customers must complete and return a membership application to LREC. An LREC staking technician will contact the applicant and set up an appointment to meet on site, if necessary. To obtain a membership application, call customer service or download one from LREC's website.

Service Revisions

The member or contractor should contact customer service for service revisions. A service order will be issued and a staking technician will contact either the member or the contractor.

Work Order

When all requirements are met, a work order is issued for construction. These requirements may include easements, payments, permits, deposits, and wiring certificates. Work order schedules are based on the time of year, workload, and the length of time necessary to complete all requirements. During peak construction periods (spring/fall), construction wait times may approach 4 to 6 weeks. Early planning and communication may shorten construction wait times.

Wiring Certificate

A copy of the wiring certificate must be on file at LREC headquarters before a meter will be installed. If wiring is done by the homeowner, the state electrical inspector must inspect the wiring before the meter is installed.

Meter Location

LREC meters are normally placed at a pole or meter pedestal. In platted areas, the pole or pedestal will be placed on lot lines. Final meter location will be determined by LREC (see the LREC Line Extension Policy Summary on page 10).

Meter connection

LREC connects all services and installs all meters.

UNDERGROUND SERVICES

Meter Pedestal

LREC provides a 200 amp main meter pedestal at no additional cost for new services. Service revisions may have an associated charge.

Meter Pedestal Size

LREC uses a 200 amp single or double position meter pedestal for standard installations. Double pedestals are used on lot lines to serve more than one consumer. Other meter pedestals may be purchased from LREC:

- » Single 320 amp
- » Combination 200 amp main x 200 amp off peak
- » Combination 320 amp main x 320 amp off peak
- » Combination 320 amp main x 200 amp off peak

OVERHEAD SERVICES

Pole services

LREC will provide the pole and, in most cases, the owner will provide the meter loop on the pole.

Disconnects and Bypass Requirements

Required disconnects must be provided by the owner or contractor. LREC will direct meter up to a 400-amp service with a class 320 amp meter. A lever bypass is required on 320 amp sockets. LREC no longer sells 200 amp straight or D.T. switches.

Current Transformer Metering

LREC will determine when current transformer metering will be used for the main service. Current transformer metering will not be done solely for convenience. All current transformer meter sockets must have a lever bypass.

CONNECTIONS

Routine Connections

Scheduling a non-emergency, routine connection requires a 48-hour notice. Call customer service to schedule a connection (see page 2).

Wiring to Metering Point

The owner or contractor is responsible for all wiring beyond meter point including installation of a temporary service. Owner's wires must be brought to a point no more than two (2) feet from a meter pedestal or meter pole, or the service will not be connected. For underground services, a minimum of two (2) feet of wire above the meter socket from the required wire burial depth should be left for connection purposes. Consumer will be billed for splices and wire, if the wire is not long enough.

Wiring Connection

LREC will not connect exposed wires. Wires temporarily placed on top of ground must be placed in schedule 80 conduit and the conduit route marked with stakes and caution tape strung between the stakes.

Removing Meters

LREC will remove direct-wired or current transformer meters for revision work or building maintenance at no charge during normal business hours. Contractors may remove non-current transformer meters, if the contractor enters into a hold harmless agreement with LREC. Contractors must notify LREC before a meter and seal is removed and notify LREC when the meter has been reinstalled.

AREA LIGHTING

LED lights can be purchased or leased from LREC. Contact LREC for current price.

Purchased

Purchased lights can be installed on existing secondary low voltage cooperative poles or on new wooden poles only. LREC will sell and install new poles. Lights cannot be installed on high voltage poles.

The consumer is required to provide service wires from the metered side of the service to the light. LREC will charge for maintenance or repairs.

Leased Lighting

LREC has LED area lights available through a leased lighting program.

Under the terms of the Lighting Agreement, LREC installs, owns and maintains the lighting fixtures on existing poles adjacent to roadways and driveways. Energy is billed at a fixed monthly rate. Customer will be charged for additional poles and wire needed for mounting the lights.

CABLE LOCATING

Gopher State One Call

LREC abides by the rules of Minnesota's Gopher State One Call law. An owner or contractor must notify Gopher State One Call at (800) 252-1166 at least 48 hours before excavation begins.

GENERATOR SAFETY

If you have a standby generator that's connected directly to the electrical system, a transfer switch is required to prevent back feeding.

LREC LINE EXTENSION POLICY SUMMARY

An LREC staking technician works with members to determine the best route for power based on location and load requirements. (Policy requirements are subject to change.)

New Single Phase Extensions

- » \$500 (plus applicable taxes) new service extension fee
- » Footage and transformer charges to be determined

New Three Phase Extensions

- » \$500 (plus applicable taxes) new service extension fee
- » Footage and transformer charges to be determined.

Developments

Subdivision line extensions will be measured from existing facilities to the farthest point where electric service will be built. If greater than 300 feet, single phase construction charges apply. The line extension charge will be reduced by a lot credit, which is determined by the size of each lot. The cooperative designates service locations, which are generally along roads and lot lines. Additional charges may apply if service is brought to a different location.

Short-term Service

When short term service is required, the customer pays the estimated cost of construction and retirement minus the salvage value of reusable materials. Payment is required prior to construction.

Additional Charges

Charges for special equipment such as pad mount transformers, special metering equipment, road bores and permits may be included in payments, but are in addition to line extension charges.

Financing and Payment Schedule

Line extension charges greater than \$2,000 may be financed at LREC's current blended interest rate plus one percent for up to three years. Payments are not refundable.



LAKE REGION ELECTRIC COOPERATIVE ENERGY WISE RESIDENTIAL PROGRAM GUIDE

WATER HEATING PROGRAMS

Peak Shave Interruptible (requires min. 80 gallon electric water heater)

- » Up to 8-hour control during peak periods
- \$100 Rebate: grid enabled water heaters
 - » Unmetered: receives a \$10 bill credit when monthly usage over 300 kWh
 - » Metered: 6.8¢ Summer and 6.1¢ Other months Off Peak rate per kWh

ETS Storage (Requires min. 100 gallon electric Water Heater with mixing valve)

- » Daily load control
- » \$400 Rebate: grid enabled water heaters
 - » Unmetered: receives a \$12 bill credit when monthly usage over 300 kWh
 - » Metered: 5.5¢ per kWh

Marathon water heaters with lifetime warranty are available at LREC.

ELECTRIC VEHICLE PROGRAM

EV TOU - Time of Use Rate

- » Rates from 7.07¢ to 47.34¢ per kWh, see hourly chart
- » Sub meter required

EV ETS - Storage Rate

- » 5.5¢ per kWh controlled 16 hours daily
- » Sub meter required

DUAL FUEL HEATING

A combination of a primary electric and a secondary propane, fuel oil, or natural gas thermostatically controlled heating systems. Either system must be able to provide 100% of home's heating needs on each level. Same requirements for home or garage.

- » 6.1¢ per kWh September-May; 6.8¢ per kWh June-August.
- » Sub meter required.
- » May be controlled any time-normally from 4 p.m. to 10 p.m.-up to 12 hours/day, 400 hours per year.
- » Heat pumps are cycled 50% of each hour during summer peak control times.

SHORT-TERM STORAGE HEATING (STS)

- » 6.1¢ per kWh September-May; 6.8¢ per kWh June-August.
- » Sub meter required.
- » 6-inch sand cover required for in-floor heat.
- » May be controlled any time-normally from 4 p.m. to 10 p.m.-up to 12 hours/day, 400 hours per year.
- » Installed load must be at least 125% of the heat loss audit.
- » Steffes storage heaters are available at LREC and qualify for \$25/kW equipment rebate on short-term storage.

LONG-TERM STORAGE HEATING (LTS)

- » 5.5¢ per kWh used for electric heating.
- » Sub meter required.
- » \$50/kW rebate.
- » 12-inch sand cover required for in-floor heat.
- » Size heat load for 16 hours control, must be at least 175% of heat loss audit.
- » Daily controlled from 14 to 16 hours.
- » Steffes storage heaters are available at LREC and qualify for \$50/kW rebate on long-term thermal storage.

All storage heating systems require a professional heat loss audit. A copy of the audit must be submitted for approval with the Load Management Application. LREC inspection required prior to concrete pour on in-floor systems. Non-residential buildings (detached garages, shops, etc.) Dual Fuel, short term storage and combination 8-hour programs are at 6.8¢ per kWh off-peak rate.

DOMESTIC FUEL COMPARISON (HOME)

Effective 9/1/23								
ELECTRIC HEAT		100% E	100% Efficient		200% Efficient		330% Efficient	
COST PER KWH	(Residential)	\$0.061	\$0.096	\$0.061	\$0.096	\$0.061	\$0.096	
Effi	Efficiency							
NATURAL GAS	90%	\$1.61	\$2.53	\$0.80	\$1.27	\$0.49	\$0.77	
LP	90%	\$1.47	\$2.32	\$0.74	\$1.16	\$0.45	\$0.70	

NON-DOMESTIC FUEL COST COMPARISON (GARAGE, SHOP, ETC.)

Effective 9/1/23							
ELECTRIC HEAT		100% E	fficient	200% Efficient		330% Efficient	
COST PER KWH	(Residential)	\$0.068	\$0.096	\$0.068	\$0.096	\$0.068	\$0.096
Efficiency							
NATURAL GAS	90%	\$1.79	\$2.53	\$0.90	\$1.27	\$0.54	\$0.77
LP	90%	\$1.64	\$2.32	\$0.82	\$1.16	\$0.50	\$0.70

FORMULA

(Cost per kWh X efficiency of fossil fuel X BTU of fossil fuel) / (3413 X efficiency of electric)

KEY		ELECTRIC HEAT EFFI	CIENCIES	LOAD MANAGEMENT HEATI	NG RATES
1 kWh	3,413 BTU	Resistance heat	100%	Domestic dual fuel	\$0.061
1 gal #2 fuel oil	138,700 BTU	Air-to-air heat pump	200%	Domestic short-term storage	\$0.061
1 gal LP gas	91,500 BTU	Geothermal heat pump	330%	Domestic Long-term storage	\$0.055
1 CCF natural gas	100,000 BTU			Non-domestic dual fuel	\$0.068
				Non-domestic short term storage Non-domestic long-term storage	\$0.068 \$0.055

HOME EXAMPLE

An 80% efficient furnace burns LP gas. The price of LP would have to be \$1.31 per gallon to make it as economical as 100% efficient electric resistance heat at the load management rate of \$0.061 per kWh. At the regular rate of \$0.096 per kWh, LP would have to cost \$2.06 per gallon. Using the same example, the price of LP gas would have to be \$0.40 per gallon to compare to a 330% efficient geothermal heat pump at the load management rate of \$0.061 per kWh.

Service charges and tank rental fees are not included in heating costs on the charts. When comparing monthly heating costs, these applicable costs should be included.

Energy Wise® DUAL FUEL HEATING INCLUDING HEAT PUMPS

Control Strategy

- » May be controlled anytime up to 400 hours during the heating season up to 12 hours daily, but usually between 4 p.m. and 10 p.m.
- » Heat pumps including ductless mini split units may be cycled during summer peak periods for 30 minutes out of each hour, up to 6 hours daily
- » All dual fuel heating loads need a hard-wired thermostatically controlled fossil fuel back-up, sized and capable of heating all levels

Incentives

» Reduced rate on controlled load

A wood, corn or pellet furnace does not qualify as a secondary heat source.

NOTE: Contact Energy Services for non-residential (non-domestic) programs and rates.

NOTE: To qualify for central AC and air source heat pump rebates, contractors must be registered through HVACReduction.net. Get more information and registration instructions www.lrec.coop.

NOTE: Storage heating systems require a professional (Manual J) heat loss calculation. A copy of the audit must be submitted for approval with the Load Management Application.

Energy Wise® STORAGE HEATING

Short-term storage (STS)

- » Sub meter required
- » May be controlled anytime up to 400 hrs per year. Usually 4 p.m.–10 p.m.
- » Reduced rate on controlled load
- » Btu minimum of 1.25 times the heat loss of the structure
- » 6-inch sand fill (see page 18)
- » LREC inspection required prior to concrete pour

Long-term storage (LTS)

- » Sub meter required
- » Always controlled 6 a.m.—1 p.m. | 3 p.m.—10 p.m.
- » \$50/kw rebate on ETS load
- » Reduced rate on controlled load
- » Btu minimum of 1.75 times the heat loss of structure
- » 12-inch sand fill (see page 19)
- » LREC inspection required prior to concrete pour
- » Additional rebate on Steffes heating equipment may be available for storage programs. See LREC for details.
- » ETS water heating and an ASHP (controlled as dual fuel) are the only loads allowed with ETS heat on the ETS rate.
- » Fossil fuel backup system is not required with storage heat.
- » Multi-level homes must have sufficient storage capacity on each level.
- » Up to 2,000 watts of uncontrolled electric heat metered at the retail rate are allowed for rooms such as bathrooms and mechanical rooms that could become uncomfortable or where there is danger of freezing during control periods.
- » Building additions with storage heat qualify for the short-term storage program. If this is the only electric heat load, the existing structure does not need to be modified.

¹ In-floor heating systems must be in a sand base, not placed directly in concrete. See diagrams on pages 18-20.

INTERRUPTIBLE SERVICE

Small interruptible

- » Controlled load 25-50 kW
- » Contact LREC for basic demand and energy charges

Long interruptible

- » Controlled load 51 kW or more
- » Contact LREC for basic demand and energy charges

Requirements

- » Both programs require the entire load to be turned off on demand or automatically transferred to a backup generator.
- » Customer pays electrician to install load control device.
- » Automatic load transfer or disconnect switches are required.
- » Contact energy services specialist for requirements for specific locations.

WARNING

WHEN POWER TO THE LOAD CONTROL DEVICE IS INTERRUPTED, THE CONTROLLED LOAD MAY NOT OPERATE FOR A PERIOD OF UP TO 45 MINUTES AFTER POWER HAS BEEN RESTORED.

WIRING CERTIFICATE

Sub meter will not be installed until the installation is complete and LREC receives a copy of the wiring certificate or is notified that the certificate is in the meter socket. Installation of the LCT should be within a reasonable time period established by LREC. NOTE: Installations must be approved by LREC before the meter will be installed.

LAKE REGION ELECTRIC COOPERATIVE WATER HEATER PROGRAM GUIDE

ELECTRIC THERMAL STORAGE (ETS) WATER HEATING

An ETS water heating system uses inexpensive off-peak electricity to "charge" a water heater with sufficient hot water to supply your needs while the electric supply is interrupted during the on-peak hours the following day.

ETS Control - Separately metered

- » Minimum 100 gallon electric water heater
- \$400 rebate
- » Mixing valve required (contractor provided)
- 5.5¢ per kWh year-round

ETS Control – Unmetered

- Minimum 100 gallon electric water heater
- \$400 rebate
- » \$12 monthly bill credit
- Mixing valve required (contractor provided)
- Home must use 300 kWh per month to qualify

ETS Control - Combination metered

- » Minimum 100 gallon electric water heater
- » \$400 rebate
- » Metered with ETS space heating system
- » Mixing valve required (contractor provided)
- » 5.5¢ per kWh year-round

ETS Charge & Control Hours

- » Charge hours (on)—weekdays 8 hours: 10pm-6am
- » Control hours (off)—weekdays 16 hours: 6am-10pm
- Weekends and holidays are only controlled as needed

PEAK SHAVE INTERRUPTIBLE WATER HEATING

The interruptible strategy allows LREC to temporarily interrupt electricity during times of peak electric usage—usually on the hottest or coldest days of the month—while still providing hot water for all your needs.

8 Hour Peak Shave - Separately metered

- » Minimum 80 gallon storage or 50 gallon heat pump electric water heater
- » Rebate available based on type
- 6.1¢ per kWh (Sept.–May)
- » 6.8¢ per kWh (June-Aug.)
- Up to 8 hour control during peak control periods

8 Hour Peak Shave - Combination metered

- » Minimum 80 gallon storage or 50 gallon heat pump electric water heater
- heating system

- » 6.8¢ per kWh (June–Aug.)
- » Up to 8 hour control during peak control periods

8 Hour Peak Shave - Unmetered

» Minimum 80 gallon storage or 50 gallon heat pump electric water heater

» Rebate available based on type

» \$10 monthly bill credit

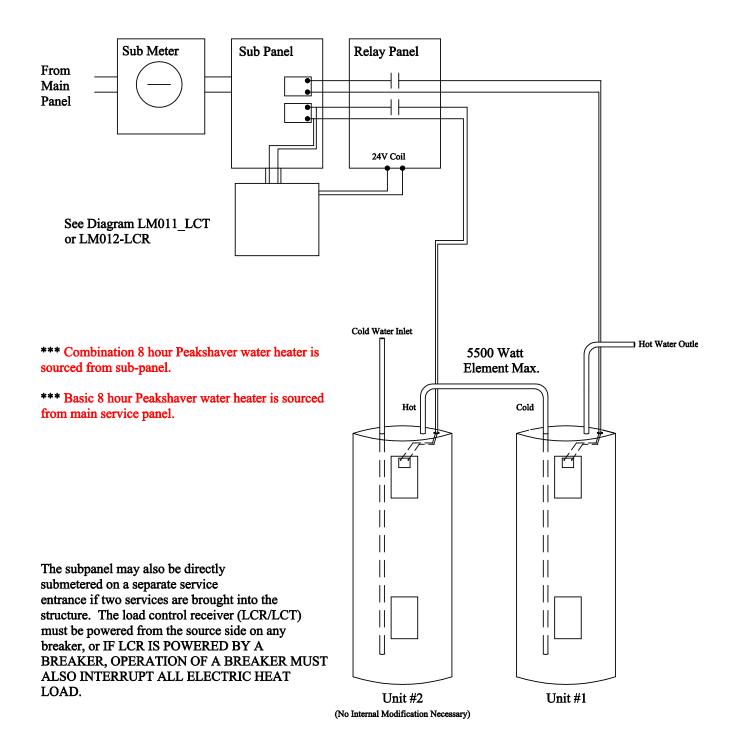
» Home must use 300 kWh per month to qualify

» Up to 8 hour control during peak

control periods

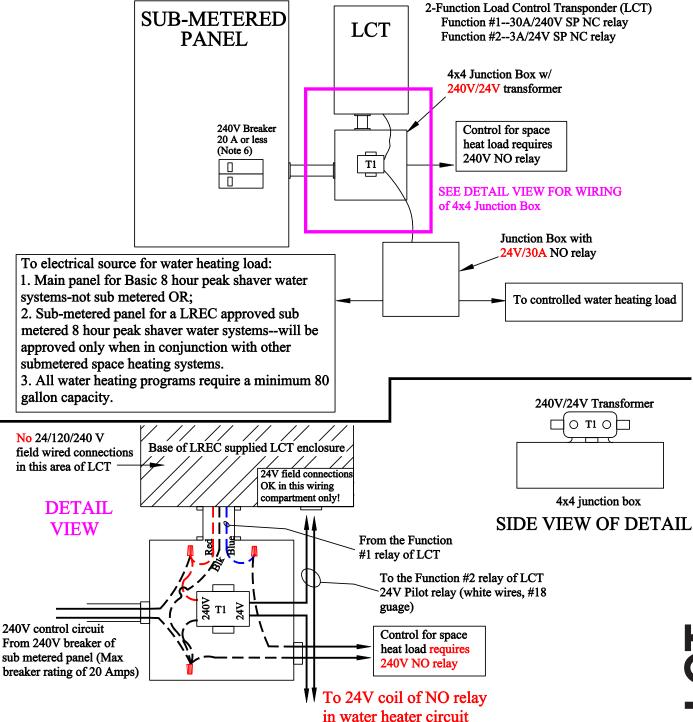
LM010

TWO CIRCUIT CONNECTION FOR MULTIPLE TANKS



ALL EQUIPMENT TO BE PROVIDED BY CONSUMER EXCEPT FOR LCR/LCT AND METER.

SINGLE LCT CONTROL



NOTES:

- 1.IMPORTANT: circuits **MUST** be wired so that by turning off power to the LCT all controlled loads will be in a controlled (off) state.
- 2. LCT can be tapped onto 240V circuit controlling off peak space heat loads as long as breaker rating is 20 amps or less. If this cannot be done the LCT must be fed from a dedicated 240V circuit of 20 amps or less.
- 3. All LREC load control equipment must be located adjacent to the service panel.
- 4. LREC supplies the LCT. The customer is responsible for all wiring & associated costs to complete installation to conform with LREC specifications.
- 5. Normally open/normally closed refers to the relay in it's de-energized state. An energized LCT in its uncontrolled state will energize any space heat or water heater relays.
- 6. NEC 725.51

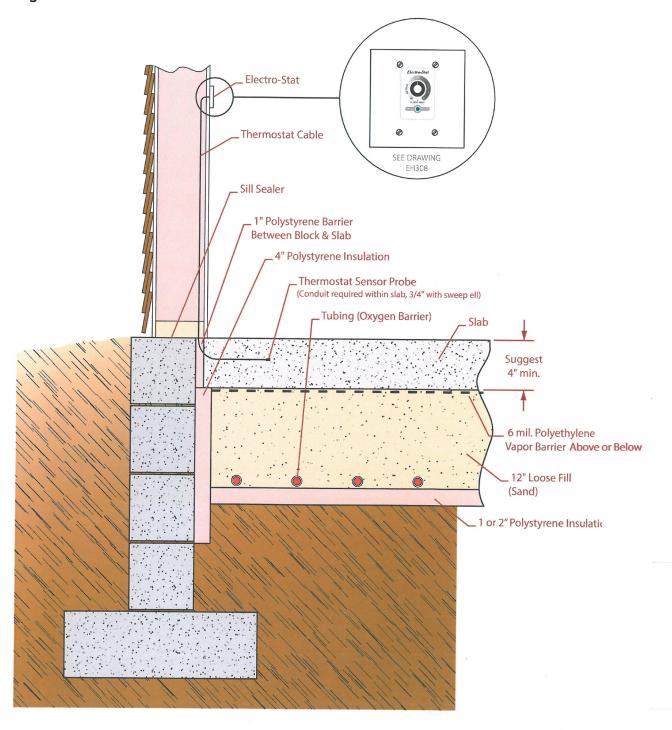
 NC=Normally Closed; NO=Normally Open; SP=Single Pole

14

LM011-LCT

BASIC HYDRONIC UNDERFLOOR

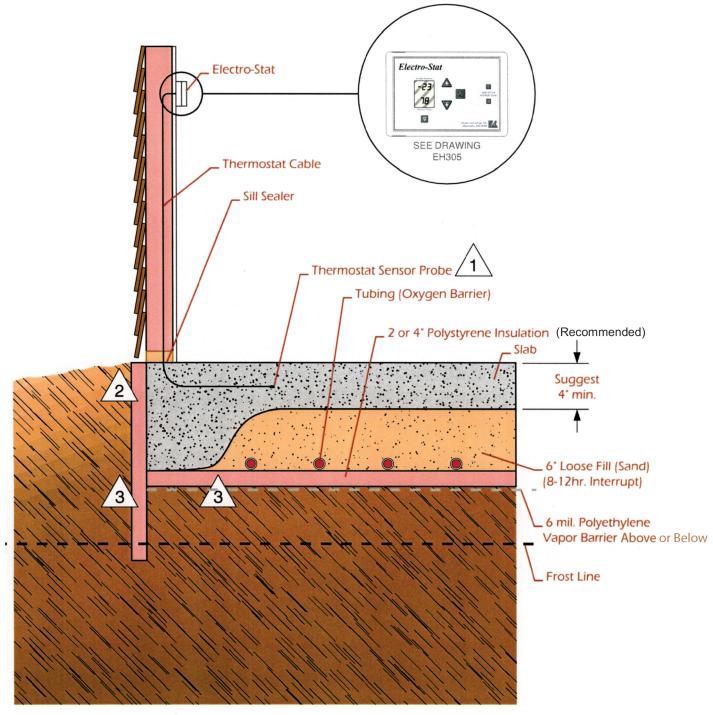
LTS Storage - 14 to 20 hour



Typical installation — sand base required for storage, check with contractor if recommending horizontal insulation below sand.

BASIC HYDRONIC UNDERFLOOR

Floating Slab - STS



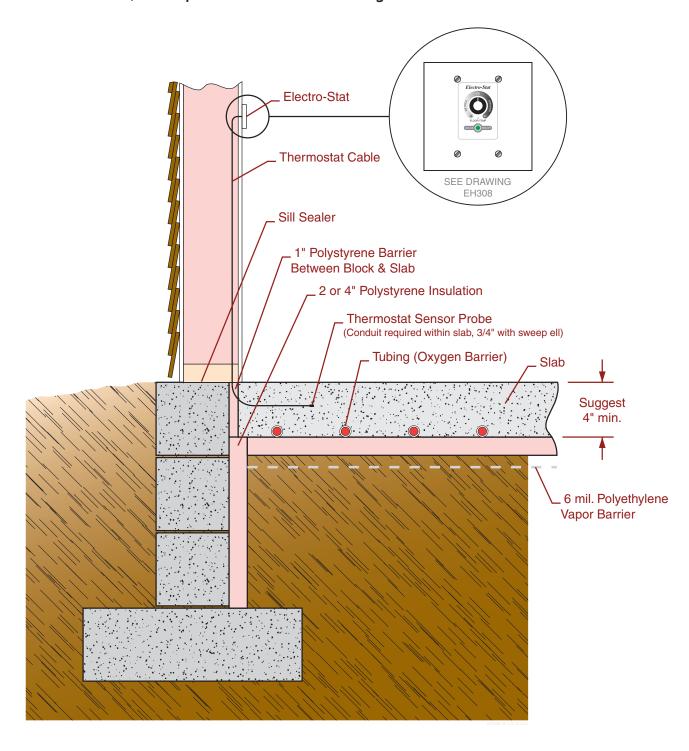
Notes:

- 1. Conduit required within slab, 3/4" with sweep ell.
- 2. If "floating slab", need screen to prevent rodent entry.
- 3. bottom or flat insulation board can also be extended 2'-3' outside of the slab. rodent screen becomes more difficult with this concept.

Typical installation — sand base required for storage, check with contractor if recommending horizontal insulation below sand.

BASIC HYDRONIC UNDERFLOOR

Standard Installation, back up needed for Dual Fuel Program



Typical installation — sand base required for storage, check with contractor if recommending horizontal insulation below sand.

ELECTRIC THERMAL STORAGE WATER HEATING: 100 GALLON TANK MINIMUM



Energy Conservation Tips and Recommendations

- » Set lower thermostat to 150 degrees; top thermostat to 140 degrees.
- » Install mixing valve and set so hot water temperature at faucet is 115 degrees.
- » Install low-flow shower heads and faucet aerators.
- » Insulate a minimum of the first 10 feet of pipe from water heater.
- » Wash clothes in cold water except for very dirty loads.
- » Always use cold water rinse for laundry.
- » Do not use circulation pumps on hot water line.
- » Try to limit using large volumes of hot water during control times.

ETS Charge & Control Hour

» Controlled: 14-16 hours a day

» Charge time: 8-10 hours a day

More information

Contact customer service at (880) 552-7658 or visit www.lrec.coop.



LAKE REGION ELECTRIC COOPERATIVE WATER HEATER PACKAGES + REBATES

Updated 1/30/2025

WATER HEATER OPTIONS

Lake Region Electric Cooperative (LREC) offers two different water heater options: *Marathon* and *Rheem Heat Pump*. The water heaters range in size from 50-100 gallons, and are kept in-stock at our headquarters in Pelican Rapids, MN. Both water heater options have the ability to be added to our demand response program (load control/off-peak), and qualify for *EASY-PAY*, which is 0% interest, on-bill financing through LREC. Learn more through our informational sheet below or call (800) 552-7658.

*Rebates and incentives are available for grid enabled water heaters installed on one of LREC's load control programs.

MARATHON GRID ENABLED WATER HEATER

MARATHON	DIRECT	EASY-PAY	REBATES	RATES	PRO	DDUCT SPECS	5
WATER HEATERS	PURCHASE	(36 MONTHS)	(OFF-PEAK)		WEIGHT (LBS)	HEIGHT (IN)	WIDTH (IN)
85 GALLON (MRG85245)	\$1,663.27	\$46.20	\$100	PEAKSHAVE	134	66.25	28.25
100 GALLON (MRG105245)	\$1,865.42	\$51.82	» \$100 » \$400 (ETS)	» PEAKSHAVE » ETS	152	66.75	30.25

- » Poly material tank
- » Energy rating up to 0.92 EF
- » Lifetime residential warranty
- » No anode rod needed



RHEEM HEAT PUMP WATER HEATER

	RHEEM	DIRECT	EASY-PAY	REBATES	RATES	PRO	DUCT SPECS	3
ı	WATER HEATERS	PURCHASE	(36 MONTHS)	(OFF-PEAK)		WEIGHT (LBS)	HEIGHT (IN)	WIDTH (IN)
l	50 GALLON (PROPH50T2RH375-30)	\$2,024.01	\$56.22	\$500	PEAKSHAVE	178	60	22.25
	80 GALLON (PROPH80T2RH375-30)	\$3,048.09	\$84.67	\$500	PEAKSHAVE	244	74	24.25

- » Stainless steel tank
- » Energy rating up to 3.70 EF
- » No anode rod needed
- » Potential 4-6 month ordering wait

AQUANTA WATER HEATER PILOT PROGRAM

LREC is seeking participants to join our Aquanta water heater pilot program. Through this program, LREC members will receive a no-cost Aquanta retrofittable water heater controller. This cellular-enabled controller works through an app that must be downloaded by the member and is a fast, easy way to start conserving energy and saving money. With this controller, you can see usage data, remotely turn your water on/off, receive maintenance and leak alerts, view hot water available, and so much more!



^{*}Taxes are included in the pricing provided.



LAKE REGION ELECTRIC COOPERATIVE SPACE HEATING PACKAGES + REBATES

ELECTRIC THERMAL STORAGE (ETS) SPACE HEATING

Take advantage of low-cost off-peak rates with a Steffes room unit. During off-peak hours, the Steffes ETS space heater converts this low-cost electricity into heat and stores that heat in specifically designed bricks located inside the unit. The heater's built-in room thermostat initiates the fan to deliver this stored heat within the area as needed, maintaining constant comfort.

Steffes room unit overview

- » Safe, clean, comfortable heat
- » Replaces wood stoves, wall furnaces or electric baseboards and is easy to operate
- » No routine maintenance
- » Comfortable radiant heat with quiet variable speed fan
- » Manufactured in the United States
- » Perfect for a variety of buildings and residences

Unique features

- » Microprocessor technology and variable speed blower
- » Low cost automatic charge control
- » Heater operation display lights
- » Built-in digital room temperature thermostat
- » Brick core and air discharge temperature safety controls
- » Built-in controls to reduce installation time and costs.

Product details

- » ETS heater stores off-peak energy (no back-up system required)
- » Qualifies for 5.5¢ ETS rate and 6.1¢ dual fuel rate
- » Expanded charge hours now available for 5.5¢ ETS rate
- » Up to \$50 per kW rebate available
- » EASY-PAY available with 48 month financing
- » 100% efficient and great for a single room or entire home
- » 5-year limited manufacturer's warranty

Components

- » Heat storage bricks
- » Insulation
- » Heating element
- » Temperature control and display panel
- » Warm discharge air and blower
- » Brick core temperature sensor

STEFFES ROOM UNITS SPECIFICATIONS

Standard voltage on all systems is 240VAC. Charging input voltage of 208 and 277 are also available.

MODEL	KW INPUT	WEIGHT LBS	DIN	MENSIONS (INCH	ES)	MINIMUM (CLEARANCE
		(APPROXIMATELY)	LENGTH	HEIGHT	DEPTH	REQUIREMEI	NTS (INCHES)
2102	3.0	267	30	24.5	10.5	ТОР	4
2103	4.5	376	37	24.5	10.5	FRONT	15
2104	6.0	478	44	24.5	10.5	SIDES	2
2105	7.5	585	51	24.5	10.5	BACK	1.5
2106	9.0	692	58	24.5	10.5		

LREC will size and price a steffes system for your needs

ETS SPACE HEATING CHARGE + CONTROL HOURS

- » Charge hours (on)—daily 10 hours: 10pm—6am and 2pm—4pm
- » Control hours (off)—daily 14 hours: 6am—2pm and 4pm—10pm





LAKE REGION ELECTRIC COOPERATIVE STANDBY GENERATOR SYSTEMS

BENEFITS OF OWNING A GENERATOR SYSTEM

Our standby power systems are designed to provide peace of mind and keep your life uninterrupted. The lights stay on, the sump pump keeps running, and your furnace or AC keeps your family comfortable. Our standby generator system intelligently powers your whole house, automatically powering what you need when you need it most.

Benefits of an LREC generator:

- » Generator automatically starts when the power goes out
- » Sold and installed by LREC*
- » Eligible for a 48-month *EASY-PAY* plan
- » From Briggs & Stratton–The Power Experts!
- » Runs on natural gas or LP (provided by others)
- » Omnimetrix monitoring system *Introduced in 2023*

GENERATOR OPTIONS



Pricing starts at \$10,710.38



18KW POWER PROTECT

Pricing starts at \$11,482.23



26KW POWER PROTECT

Pricing starts at \$12,778.48

Our energy management team will help you choose the appropriate generator size and transfer switch for your home.

GENERATOR PACKAGES

Each generator installation includes the following:

- » Generator Power Protect Series with a 7 year warranty
- » LREC professional installation*
- » Cold weather kit and battery
- » Concrete pad
- » Exterior indicator light
- » First annual maintenance
- » One-year remote monitoring

AUTOMATIC TRANSFER SWITCHES

LREC has two automatic transfer switches available:
DirectPower and Symphony II. These transfer switches automatically connect to the standby generator, diverting the power source of the home when experiencing an outage. This allows for seamless connectivity from home utility power to the standby generator, erasing homeowner worry.

*Within 3 feet of meter at pole/pedestal. If that is not possible or preferred, installation will require a homeowner's electrical contractor.

OMNIMETRIX MONITORING SYSTEM

Thank you for purchasing a Lake Region Electric Cooperative (LREC) standby generator system! With your generator, you now have access to the Omnimetrix monitoring system. Omnimetrix monitors generator systems 24/7/365, and alerts owners and LREC technicians immediately of all alarm conditions. With Omnimetrix, you have peace of mind to ensure your standby generator will be ready to go when you need it most.

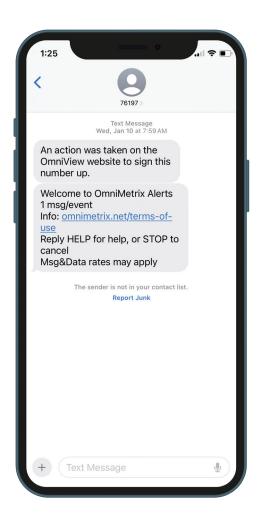
OMNIMETRIX BENEFITS

Omnimetrix monitoring allows generator owners to accurately pinpoint systems that could potentially fail-to-start, reducing 95% of these events. With Omnimetrix, you will have increased reliability and security. Other benefits include:

- » Staying informed on battery health, immediate outage notifications, generator output, and if the generator is in "Auto" mode.
- » Receive email and/or text messages with important information about your generator; our technician can sign you up.
- » Access to OmniView, the cloud-based dashboard which shows the status of the generator.
- » Cellular-based monitoring means you're not dependent on Wi-Fi systems which could fail during an outage.

SIGNING UP FOR OMNIMETRIX TEXT ALERTS

- » With your consent, your LREC technician will sign you up for text alerts. You will receive the exact message as shown in the graphic from the number 76197.
- » LREC suggests you add this contact to your phone and label it "LREC Generator Alerts."
- » No other action is needed.



SIGNING UP FOR OMNIMETRIX EMAIL ALERTS

- » With your consent, your LREC technician will sign you up for email alerts. You will receive an email from *omx@omnimetrix.net*.
- » LREC suggests you add this contact to ensure it doesn't go into a spam folder.
- » No other action is needed.



LAKE REGION ELECTRIC COOPERATIVE RESIDENTIAL ENERGY EFFICIENCY REBATES

LREC's rebate opportunities give you all the choices you need to make your home and business more energy efficient. In addition to LREC's rebates, the Inflation Reduction Act (IRA) has the potential to provide LREC members with additional tax credits and rebates. To learn more about IRA and the savings offered, please visit **www.energy.gov/save**.

HEATING + COOLING

HEAT PUMP SYSTEMS Ductless/Ducted ASHP	DUCTLESS AIR SOURCE HEAT PUMP ≤1 Ton ≥ 14.3 SEER2 & ≥ 7.5 HSPF2 ≤1 Ton ≥ 15.2 SEER2 & ≥ 8.1 HSPF2 >1 Ton ≥ 14.3 SEER2 & ≥ 7.5 HSPF2 >1 Ton ≥ 15.2 SEER2 & ≥ 8.1 HSPF2	\$150 \$250 \$750 \$1,000
(limit 1 per account/year) Geothermal Heat Pump	DUCTED AIR SOURCE HEAT PUMP ≤ 5 Ton ≥ 14.3 SEER2 & ≥ 7.5 HSPF2 ≤ 5 Ton ≥ 15.2 SEER2 & ≥ 8.1 HSPF2	\$750 \$1,000
(limit 1 per account/year)	GEOTHERMAL HEAT PUMP, CLOSED LOOP	NEW up to 400/ton (max rebate of \$4,000) REPLACEMENT up to \$200/ton
QI ASHP ***	QI additional rebate for ductless/ducted ASHP	\$40/ton
ELECTRIC THERMAL STORAGE	Steffes ETS Systems on Short Term Storage	\$25/KW
(ETS) HEATING SYSTEMS	All ETS Systems on Long Term Storage	\$50/KW

^{***}Additional rebate if the installing contractor is QI certified. To determine if a contractor is eligible a search can be completed online at www.lrec.coop/qicontractors

WATER HEATING

HEAT PUMP WATER HEATER	Must be ENERGY STAR	\$500
ETS WATER HEATER (5.5¢ RATE)	Must be at least 100 gallons, grid enabled, with mixing valve	\$400
PEAK SHAVE WATER HEATER	Must be at least 80 gallons, grid enabled	\$100

ELECTRIC VEHICLE (EV)

CHARGER INSTALLATION	MUST BE A LEVEL 2 CHARGER (limit 1 per account)	Up to \$500
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Rebates must be purchased/installed between Jan 1, 2025, and Dec 15, 2025

Request for rebates must be submitted to LREC by December 15, 2025. Once funds have been depleted, rebates will cease for 2025.

CONNECT WITH US TO LEARN MORE!

All rebates are subject to change.

Please contact LREC to verify availability.

Updated: 2/25/2025

HEATING AND COOLING REBATE APPLICATION

2025 Rebate Form

Must be purchased/installed between Jan 1, 2025 and Dec 15, 2025

Member Information

Request for rebates must be submitted to LREC by December 15, 2025.
Once funds have been depleted, rebates will cease for 2025.



Name	eAccount #					
Address						
City	State	Zip	Phone			
City	nich I am claiming	a rebate are qualifying	products and are installed at the address listed			
Signature	ıre Today's Date					
Equipment and Installation Information	- Air Source	Heat Pump				
Ductless Air Source Heat Pump System	ns ≤ 1 ton					
High Efficiency (≥ 14.3	High Efficiency (≥ 14.3 SEER & ≥ 7.5 HSPF2)					
Premium Efficiency Tie	r (≥ 15.2 SEER	2 & ≥ 8.1 HSPF2)	\$ 250.00			
Ductless Air Source Heat Pump System	ns > 1 ton - 5 to	ons				
High Efficiency (≥ 14.3	SEER2 & ≥ 7.5	5 HSPF2)	\$ 750.00			
Premium Efficiency Ti	er (≥ 15.2 SEER	22 & ≥ 8.1 HSPF2)	\$1,000.00			
Ducted/Hybrid Air Source Heat Pump	Systems up to	5 tons				
High Efficiency (≥ 14.3 S	SEER2 & ≥ 7.5]	HSPF2)	\$ 750.00			
Premium Efficiency Ties	r (≥ 15.2 SEER2	2 & ≥ 8.1 HSPF2)	\$1,000.00			
Manufacturer						
Condenser model number	Cond	lenser serial numbe	er			
Evaporator coil model number	Eva	porator coil serial n	umber			
Furnace model number (if new)	Furr	nace serial number				
Equipment and Installation Information - Gr	round Source	Heat Pump				
Ground Source Heat Pump (GSHP) qualifying	g criteria – mus	st be ENERGY STA	AR listed			
Manufacturer	_					
Total Tons Type of Installa						
Contractor Information		.				
NOTE: An invoice showing the purchase date, equipm	ıent manufactur	er, model numbers an	d serial numbers along with the AHRI			
certificate must be submitted with the application.	,		G			
Contractor Company Name						
Phone Is your HVAC Contractor listed as a Qualif	City		State			
Is your HVAC Contractor listed as a Qualif	ied Installer?	Yes No	(see page 3 for QI Installer informatio			
IMPORTANT:						
 Check with cooperative for qualifying rebate amout Product(s) must be installed within the cooperative To verify specific model efficiency ratings or ENER Ductless ASHPs – https://www.ahridirectory.org/Sehttps://www.energystar.gov/productfinder/prhttps://www.ahridirectory.org/Search/Sear GSHPs – https://www.energystar.gov/productfinder/prhttps://www.energystar.gov/produc	's service territory. GY STAR certificatio earch/SearchHome?F oduct/certified-furna cchHome?ReturnUr	ReturnUrl=%2f ces/results l=%2f				
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Rebate program is subject to change or cancellation without notice. Call cooperative if there are questions on program status.

Items needed for your submission:

- Rebate Form
- Invoice/Receipt (a copy is ok)
- AHRI Certificate (aka Certificate of Product Rating)

Return by mail to:

LREC

P.O. Box 643

Pelican Rapids, MN 56572

Or scan and send by email to nstetz@lrec.coop

Heating and Cooling

2025 Reference and Conversion Sheet

Notice: On January 1, 2023 the Department of Energy (DoE) began using a new testing procedure to rate the efficiency of air conditioners and air source heat pumps. These changes require new metrics (SEER2/EER2/HSPF2) that were derived from the DoE's new test procedure (M1) rather than the historical metrics (SEER/EER/HSPF) from the old test procedure (M).

The simple conversion table below will help you to identify air conditioning (AC) and air source heat pump (ASHP) equipment that qualifies for ENERGYWISE rebates in 2025 using the following steps.

Step 1: Determine what ratings system was used for the equipment model that you plan to purchase.

Step 2: Confirm that the efficiency ratings of the new equipment exceeds the requirements for the rebate measure you are applying for using the table below to convert between the old and new efficiency ratings when needed.

SEER	DUCTED SEER2	DUCTLESS SEER2
14.0	13.4	14.0
14.5	13.8	14.5
15.0	14.3	15.0
15.5	14.8	15.5
16.0	15.2	16.0
17.0	16.2	17.0
17.5	16.7	17.5
18.0	17.2	18.0
19.0	18.1	19.0
20.0	19.0	20.0

EER	DUCTED EER2	DUCTLESS EER2
10.2	9.8	10.2
11.0	10.5	11.0
11.5	11.0	11.5
11.7	11.2	11.7
12.0	11.5	12.0
12.2	11.5	12.2
12.5	12.0	12.5
13.0	12.5	13.0

HSPF	DUCTED SPLIT HSPF2	DUCTED PACKAGE HSPF2	DUCTLESS HSPF2
8.0	6.8	6.7	7.7
8.2	7.0	6.9	7.9
8.8	7.5	7.4	8.4
9.0	7.7	7.6	8.6
9.5	8.1	8.0	9.1
10.0	8.5	8.4	9.5
11.0	9.4	9.2	10.4

NOTE: The cross references for efficiency in the above tables should be noted as approximate.

ItemsofNotetoMember:

- Rebates \$500 and under will be issued as a credit to the electric bill. Any rebate greater than \$500 will be issued as a check and mailed to address on file for the member. LREC reserves the right to issue rebates as a credit on the electric bill if the member's account is in a "past due status". Allow 6-8 weeks for processing.
- Limit of one ductless, ducted or ground source heat pump per member per year. Rebates are a first-come, first-serve basis while funds are available.
- Product(s) must be installed within the cooperative's service territory.

Rebate progran	ı is subject to change or cancellation
without notice	Revision: January 2025
Date	By

Residential Quality Installation (QI) Program

QI Certified Contractors:

A QI certified contractor has passed a QI assessment and/or is North American Technician Excellence (NATE) installation certified and have agreed to following industry best practices regarding the proper installation of equipment. This program validates four components of the installation: proper sizing, airflow, refrigerant charge and duct leakage.

Equipment purchased from and installed by non-QI certified contractors is not eligible for the rebate.

A list of QI certified contractors can be found at https://hvacree.net/gre/public_search.cfm. Information on how to be a certified contractor or ordering forms can be found at https://greatriverenergy.com/smart-energy-use/installations/.

Rebate Details:

Rebate amounts vary depending on the efficiency rating, the type of equipment and whether there is a special promotion going. Contact your electric cooperative for specific rebate details and availability. This rebate program is subject to change without notice.

Qualifying Members:

Members applying for the rebate must be a member of and receive residential electric service from one of Great River Energy's participating cooperatives.

Members are responsible for meeting all of the program requirements, and for complying with any government or third-party requirements, including applicable codes, ordinances, rules or regulations regarding the installation of the equipment.

Qualifying Equipment:

Equipment must be a new, high efficient central air conditioner or air source heat pump with an efficiency of 15 SEER/14.3 SEER2 or higher. The system must be matched meaning the outdoor condenser unit and the indoor evaporator coil were designed by the manufacturer to work together. No commercial, reconditioned, or ground source heat pumps qualify for the QI rebate program.

Only equipment listed on the Air-Conditioning, Heating & Refrigeration Institute (AHRI) website (www.ahridirectory. org-residential) will qualify. The AHRI list is dynamic and changes frequently, therefore AHRI certificates that are printed within two weeks of the installation date will be honored and must be submitted with the rebate form.

The use of the furnace's variable speed fan to increase the SEER/SEER2 rating above the nominal rating will be allowed for determining rebate eligibility provided the furnace was installed within one year prior to the central air equipment purchase.

Application Details:

Rebate form must be completed, signed by contractor and submitted to the electric cooperative along with the following:

- Equipment invoice, all information on the invoice must precisely match the information on the rebate application or the application will not be processed
- · AHRI certificate for installed equipment

An application that is denied due to equipment ineligibility will not be accepted with changed model numbers.

If conditions do not allow for proper testing (see equipment testing section below), the member will be eligible for the rebates as long as testing is completed and application submitted by July 31 of the following year.

It is the member's responsibility to ensure that the electric cooperative receive the rebate application materials. The electric cooperative is not responsible for any lost, late, stolen, ineligible, illegible, misdirected, or "postage due" mail. All completed submissions become the property of the electric cooperative and will not be returned. Warning: Fraudulent submission of the form may result in prosecution for mail fraud pursuant to Title 18 US Code sections 1341 and 1342.

Testing the Equipment:

The contractor must activate the system and perform the appropriate tests for airflow and refrigerant charge. These tests can only be conducted when the outdoor (ambient) temperature meets the manufacturer's specifications. Rebate applications may not be submitted until testing is complete.

Liability:

By participating in this program, the member agrees that the electric cooperative has no liability concerning the quality, safety and/or installation of the equipment, estimated energy savings, workmanship of any third parties, or use of any equipment. The electric cooperative shall not be liable for the work performed by the members engineer, contractor or vendor. Participation by a contractor in this program does not constitute an endorsement by the electric cooperative of the contractor, or a guarantee of the quality of the work.

The electric cooperative is not responsible if the heating and cooling contractor, retailer, builder or any other party provides the member with inaccurate information about the amount or qualifications of the actual rebate. The electric cooperative will not rebate equipment that has been mislabeled or misrepresented.





LREC'S FORD MACH-E



- » EPA-estimated 265 miles of range
- » Electric all-wheel drive
- » Magneride suspension
- » 480 horsepower
- » 600 lb.-ft./814 Nm torque
- » 0-60 mph in 3.8 seconds

PLUG IN WITH LREC

LREC offers two rate options: *time-of-use* and *storage*. The time-of-use rate allows members to choose what time they charge their car and how much they want to pay. The storage rate has predetermined charging times set by LREC and is the lowest cost option. Utilizing these rate options requires a separate sub-metered circuit be installed to accommodate an Electric Vehicle Supply Equipment (EVSE) charging station.

ELECTRIC STORAGE RATE





TIME-OF-USE RATE



8PM-8AM: 7.07¢/kWh

8AM-4PM: 10.95¢/kWh

4PM-8PM
- JUN-AUG: 47.34¢/kWh
- SEP-MAY: 35.82¢/kWh

ELECTRIC STORAGE RATE

TIME	RATE
10:00pm-6:00am	5.5¢
6:00am–10:00pm	N/A

TIME-OF-USE RATE

THE ST SOCIAL TE							
JUNE-AUGUST	MON	TUES	WED	THUR	FRI	SAT/SUN	HOLIDAYS
8:00pm-8:00am	7.07¢	7.07¢	7.07¢	7.07¢	7.07¢	7.07¢	7.07¢
8:00am-4:00pm	10.95¢	10.95¢	10.95¢	10.95¢	10.95¢	7.07¢	7.07¢
4:00pm-8:00pm	47.34¢	47.34¢	47.34¢	47.34¢	47.34¢	7.07¢	7.07¢
SEPTEMBER-MAY							
8:00pm-8:00am	7.07¢	7.07¢	7.07¢	7.07¢	7.07¢	7.07¢	7.07¢
8:00am-4:00pm	10.95¢	10.95¢	10.95¢	10.95¢	10.95¢	7.07¢	7.07¢
4:00pm-8:00pm	35.82¢	35.82¢	35.82¢	35.82¢	35.82¢	7.07¢	7.07¢

EVSE REBATES

LREC's ChargeWise program offers a rebate of up to \$500 towards the installation of a Level 2 EVSE charging station when installed on one of LREC's EV rates. Information regarding the rebate can be found at www.lrec.coop/ev.



Electric Vehicle (EV) Charger Installation Residential Rebate Application



Member Information		
Name	Account	#
Address where EV is installed		
CityState	_ ZIP Phone _	
EV Make/Model/Year		
Electric Vehicle Service Equipment (EVSE) In	formation	
Manufacturer		kW
Charger Type: Level 2 Charger is on rate: EVTO		
Contractor Information		
Name	City	State
Rebate is available for an EV charger (Level 2) purchased on or af Lake Region Electric Cooperative (LREC). Rebate submittal must one of the rate options offered by LREC. LREC is not responsible	follow the guidelines outlined by the	ne cooperative ensuring that charger is setup on
I certify that the EV charger for which I am claiming a rebate is a this address represents a valid cooperative account.	qualifying appliance, that it has be	een installed at the address listed above and that
Signature	Today's dat	te
Important:		SUBMIT

- Call LREC at 218.863.1171 or toll free at 800.552.7658 to verify program status, prior to purchase.
- Rebate amount is up to \$500 for qualifying EV charger.
- EV charger must be installed within LREC's service territory and is setup on a LREC rate program.
- Fill out this form completely. Incomplete forms will not be processed.
- Include your account number and sign the form.
- Submit completed rebate form and a copy of the original sales receipt within 60 days of purchase date to:
 EV Rebate, LREC, PO Box 643, Pelican Rapids, MN 56572
- For questions, call LREC at 218.863.1171 or toll free at 800.552.7658.
 Fax: 800.321.1053
- Rebate program is subject to change or cancellation without notice.

Lighting

LED Lighting Retrofit Rebate Application

BUSINESS MEMBER INFORMA	TION	
Business Name		
City	State	ZIP
Contact Name		Account #
Email		Phone
REBATE RECIPIENT		
specify an alternative mailing address and a Please Send Rebate to (check one): Business Member Alternative I	uthorize with a signature b Recipient	the cooperative business member, the member must below.
City	State	ZIP
APPLICATION CHECK LIST		
The undersigned does hereby certify that the contained in this application. All rules of the packnowledges that nothing contained in the a	undersigned is solely response program have been followed application imposes any lial er's engineer, contractor, o pient.	abor & materials) Equipment specifications onsible for the accuracy of the information d and the installation is complete. The undersigned bility on the cooperative for the work performed and or vendor. The undersigned also authorized payment of
MEMBER SIGNATURE		
Member Signature		Date

WARRANTY INFORMATION

Rebate qualifications do not imply any representation or warranty of such equipment, design or installation by the cooperative. The cooperative shall not be responsible or liable for any personal injury or property damage caused by this equipment. The cooperative does not guarantee that a specific level of energy or cost savings will result from the implementation of energy conservation measures or the use of products funded under this program. In no event shall the cooperative be liable for any incidental or consequential damages.

LIGHTING

- All prescriptive lighting fixture rebates will be for equipment that is DLC or ENERGY STAR listed. Equipment that does not meet this requirement can be rebated through the Custom Lighting program.
- Energy Star and DLC requirements must match the application of LED installations.
- Rebates are based on installed equipment of one-for-one replacement of incandescent fixtures, fluorescent T12 lamps and fixtures, or other fixture type that produce similar kW savings.
- If the project is not a one-for-one retrofit: A project with a reduction in fixtures can be applied for under Custom Lighting.
 If a project is a lighting redesign, a photometric layout is required and can be applied for under Custom Lighting.
- LED linear replacement lamps are based on a one-for-one replacement of fluorescent lamps. LED lamp must be DLC listed can be the follow types of lamps: UL Type A "plug and play", UL Type B internal-driver/line voltage, or UL Type C external driver
- Automatic controls must be permanently installed.
- LED exit signs rebates can be for incandescent or fluorescent to LED.
- Either the fixture or the lamps for a project will be rebated; not both.

Lighting

Equipment & Rebate Information

LED RETROFIT LIGHTING

LAMPS - Screw & Pin - Min. 2x wattage reduction required

Wattage	< 20w - 60w	61-100w	101-140w	141 – 160w
Rebate	\$2	\$5	\$10	\$15
Quantity				
Total				

LED Tubes

	4'LED Lamp - < 18w	5' – 6' Case Lamp
Lamp Size	Replaces T12 or T8 lamps	Refrigerator/Freezer
Rebate	\$5	\$20
Quantity		
Total		

LED Fixtures – Troffers, Downlights, Recessed Cans, Pendants & Surface Mounted – 2x Watt Reduction

Wattage	< 25w	26w-50w	51-75w
Rebate	\$10	\$15	\$20
Quantity			
Total			

LED Fixtures – Wallpacks, Soffits, Canopy, Hi-Bay/Lo-Bay, Pole Mounted & Roadway Lighting – Replaces HID or T12

Wattage	< 40w	41-80vv	81-120vv	121-200w	201-250w	251-300w	301-400w
Rebate	\$25	\$35	\$50	\$65	\$80	\$100	\$120
Quantity							
Total							

LED Exit Signs – Replaces incandescent only

Wattage	< 8w
Rebate	\$2
Quantity	
Total	

Automated Controls: New construction and retrofit applications

Mount Type	Fixture Mount Occ Sensor	Photocell	Wall Mount Occ Sensor	Ceiling Mount Occ Sensor
Rebate	\$5	\$7	\$10	\$20
Quantity				
Total connected kW per sensor				
Hr/year without controls				
% Reduction				
Total				

Example: 1 Fixture mount sensor on a light that runs 4,380 hrs/yr, can expect a 25% reduction and total connected kW of lighting to be .67/sensor.

Prescriptive Rebate

Project Cost	
Total Rebate	

Lighting

Equipment & Rebate Information

CUSTOM AND RETROFIT LIGHTING

- This page must be completed for both LED Lighting Retrofit and Custom Lighting before the application can be processed.
- LED Lighting retrofit rebates will be determined based on the prescribed dollar amount per quantity on the previous page.
- LED Lighting retrofit rebates will be based on the quantity and wattage of the new LEDs being installed, not the quantity of the old lighting. The quantity in the new lighting section should match the quantity on the LED Lighting Retrofit page.
- Custom lighting will be evaluated project by project and the rebate amount should be confirmed with your local cooperative.

Old Lighting

Custom or Retrofit	Quantity	Wattage	Hrs/Year	A/C
				☐ Yes ☐ No
				☐ Yes ☐ No
				☐ Yes ☐ No
				☐ Yes ☐ No
				☐ Yes ☐ No
				☐ Yes ☐ No
				☐ Yes ☐ No
				☐ Yes ☐ No
				☐ Yes ☐ No
				☐ Yes ☐ No
				☐ Yes ☐ No

New Lighting

Custom or Retrofit	Quantity	Wattage	Hrs/Year	A/C
				☐ Yes ☐ No
				☐ Yes ☐ No
				☐ Yes ☐ No
				☐ Yes ☐ No
				☐ Yes ☐ No
				☐ Yes ☐ No
				☐ Yes ☐ No
				☐ Yes ☐ No
				☐ Yes ☐ No
				☐ Yes ☐ No
				☐ Yes ☐ No

Custom Projects

Project Cost	
Total Rebate	

