

Heat Storage

An off-peak program

Heat storage can supply 100% of your home's heating requirements or can be used as a supplement to another heat source.

It's a great heating option for new additions, slabs-on-grade, workshops, and/or garages.

Pay only 4.35¢ per kWh versus 10.3¢ when in use.

How it works

The heat storage equipment you choose (see list of qualifying equipment) heats during off-peak hours (11 p.m. - 7 a.m.) and stores heat in bricks or a sand bed. During the day when electric demand is high, the stored heat radiates from the bricks or the sand bed, creating clean, comfortable, and uniform heat from floor to ceiling.

Qualifying Electric Off-Peak Heat Storage Equipment

Room Heat Storage Units and Electric Heat Central Storage Furnaces

During off-peak hours (11 p.m. - 7 a.m.), electricity is used to heat specially-designed, high-density, ceramic bricks, capable of storing a vast amount of heat for extended periods of time. During the day when electric demand is high, a fan inside the unit circulates the stored heat as the thermostat calls for it.

Under Floor Electric Cables/Pads

Electric-resistant cables or pads are buried in the sand beneath the concrete ground slab. During off-peak hours (11 p.m. - 7 a.m.), the sand bed stores heat from the electric cables or pads. During the day when electric demand is high, the stored heat radiates through the floor creating clean, comfortable, and uniform heat in your home from floor to ceiling.

Note: Talk to your contractor about additional carpet, foundation, and insulation requirements needed for the option you choose.

How to sign-up

1. Contact Connexus Energy to schedule a date and time to pick up the required metering equipment. You will need to provide the following information:
 - Number of circuits to be used in the breaker panel
 - Number of amps per circuit
 - Identify any existing off-peak programs in the home

A one-time installation fee of \$50 will be added to your electric bill at the time of pick-up.

Note: Depending on the installation, additional equipment (such as a sequencer box) may be required. Ask your contractor for details.

2. Have a **state electrical inspection** completed within 30 days of metering equipment installation.
3. Contact Connexus Energy at 763.323.2738 for **final off-peak inspection**. Off-peak rates will not be applied until final inspection is completed. *Reference general terms of off-peak programs on back.*

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Off-Peak General Terms

1. Off-peak meters and load management radio receivers must be mounted outside of the building, four-to-six feet above ground level (to the top of meter glass) and easily accessible to Connexus Energy personnel.
2. Connexus Energy shall not be responsible for the installation, operation, or maintenance of the off-peak system or related equipment. Connexus Energy will maintain and operate the load management radio receiver and associated off-peak electric meters.
3. The Connexus Energy customer shall arrange and pay for the installation, operation, and maintenance of the off-peak system or related equipment, to ensure correct operation according to Connexus Energy's specifications.
4. **Installation of the off-peak system must be completed within 30 days from the date the off-peak equipment was issued. Failure to complete the installation of the off-peak system within 30 days will result in the total cost of all associated off-peak equipment (including rebates or incentives) charged to the customer's electric bill with payment due immediately.**
5. In the event this agreement is terminated, the Connexus Energy customer must remove and return all off-peak meter(s), load management radio receiver, and associated off-peak equipment and pay any associated expenses. The Connexus Energy customer will not be allowed on the same off-peak program for a minimum period of one year from the date of termination.
6. Off-peak loads shall be separately metered and controlled and must be approved by Connexus Energy.
7. The Connexus Energy customer shall notify Connexus Energy when any off-peak loads, meter(s), load management radio receiver, or associated off-peak electrical equipment is damaged, changed, repaired, removed or added, or if any Connexus Energy seals are broken. Failure to notify Connexus Energy of any changes within 30 days may result in removal from the program.
8. Connexus Energy reserves the right to make changes to the control terms, in the event of utility system emergencies as determined by Connexus Energy.
9. **Installation fees are non-refundable.**

Connexus Energy shall not be responsible for any losses, damages, or claims arising from the installation, operation, maintenance, or function failure of the off-peak system.



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