

THERMAL ENERGY STORAGE

You could earn an incentive of up to \$300 per kilowatt of reduced cooling load at peak times from Duke Energy.

Reduce your energy costs, operating expenses and time-of-use rate with a Thermal Energy Storage (TES) system.

In a commercial or industrial facility, outdated space cooling or process cooling chillers can drain energy – and your energy budget. A thermal energy storage system can reduce your demand charges and save energy costs by shifting most energy usage to off-peak hours. With TES, you could qualify for an incentive of up to \$300 per kW of reduced cooling load at peak times.

Installing a TES system will reduce the size and cost of replacement chillers and lower your energy costs. If you take advantage of the time-of-use rate from Duke Energy, you can lower your energy costs even further.

Contact your Duke Energy Adviser for a free Business Energy Check for existing facilities or a consultation for new construction. We'll determine if your business qualifies for a TES system and give you many helpful energy- and money-saving tips.

Incentive and savings example:

A 200,000 sq. ft. facility installing a TES system handling 50 percent of cooling load could save \$31,000 annually and earn an incentive of \$60,000.*

*Assumes 10 cents per kilowatt-hour



Incentive requirements:

1. Call Duke Energy for a required, FREE Business Energy Check.
2. All equipment for which an incentive is paid shall be new and not refurbished nor previously installed or used. Incentives may not apply to equipment installed to provide backup or redundancy.
3. A feasibility study shall be performed and included with the recommendation form when submitted for incentive payment. Cooling and heating design loads shall be determined using approved Manual J or ASHRAE sizing calculation. Copies of all calculations must be provided to both the customer (with the new equipment) and to Duke Energy. Design conditions shall be those applicable to the Duke Energy service area in which the facility is located. The contractor will certify that the unit was sized according to manufacturers' specifications.
4. HVAC equipment must be all electric.

(continued on back)

Contact your Duke Energy Adviser for further details.

THERMAL ENERGY STORAGE

5. The customer must provide proof of HVAC project cost, project contract date and an itemized inventory of equipment installed. This qualification is typically met by submitting copies of invoices or purchase orders.
6. Air-Conditioning, Heating, and Refrigeration Institute (AHRI) certified efficiency data at Standard Rating Conditions must be attached to the incentive form.
7. Cooling and heating load calculations must be performed if the capacity of the high-efficiency unit differs from that of the original unit or if the high-efficiency unit is adding cooling or heating to previously unconditioned space.

Other requirements do apply.

Contact your Duke Energy Advisor for further details.

877.372.8477 or fl.bec@duke-energy.com

Energy Efficiency for Business

