



## Residential Load Management Switch Program



**Save Energy. Save Money.**

# About the program

Peak demand drives the cost of electricity for your public power provider. Higher peak demands mean higher prices. As peak demands grow, so grows the need for building more costly facilities to meet consumer's increasing demands for electricity.

## What is load management?

When you participate in load management, a radio-controlled switch is installed on one or more appliances in your home. The device lets your power provider send a signal to briefly interrupt power to the appliance and reduce the costly demand on the overall system.

Typical load-managed appliances include central air conditioning compressors, electric water heaters and heat strips.



## How you can help lower electricity costs.

Voluntary participation in the program means you help your public power provider hold down the cost of providing power. Savings are passed on to you in the form of a monthly credit on your electricity bill for every switch installed. There is no cost to you for the switches or installation.

## Does my electricity bill include charges for peak demand?

The peak demand charges your public power provider incurs are included in the price per kilowatt hour consumed.

## When do peak demands typically occur?

Electricity peak demands and consumptions are predominantly seasonal and weather-based.

Load management does not require daily load control. Overall load management averages 8-9 hours of applied controls per month. Times may vary due to weather and unusual periods of high demand. Typical times during **summer** months are from 3 to 6 p.m.; in **winter**, 6 to 8 a.m.

## Do I have to be the property owner to participate?

Rental property tenants must have the owner's signed permission to participate in the load management program. For rental communities, check with your rental office to find out if your complex is participating in this program.

## What if I decide I no longer wish to participate in the load management program?

Contact your public power provider to change your participation level or to remove the load management switch at no charge.

### ASK ABOUT THESE LOAD MANAGEMENT SWITCH OPTIONS

**Water Heater:** The heating element of your electric hot water heater is turned off 1-2 hours. This will not affect the amount of hot water available.

**Central Air Conditioners and HVAC Heat Pumps:** These contribute significantly to peak demands in the summer and can be cycled off and back on with little inconvenience to comfort.

► **25% option**—A/C is switched off 7-1/2 minutes out of every half-hour. Change in comfort level change mostly undetectable.

- ▶ **50% option**—A/C is switched off 15 minutes out of every half hour. Change in comfort level temporary, and may be perceptible during extreme heat.
- ▶ **100% option**—A/C is completely switched off. The home may become temporarily warm, but the fan will continue to circulate air.

**Electric Heat Strips option:** The load management switch will control the supplemental heat strip, but the compressor will continue to provide heat.

- ▶ The best and least expensive option for controlling supplemental heat strip usage is to set your thermostat to 68° F and leave it there.
- ▶ The heat strips are supplemental; when on, electricity is consumed at a rate three times greater than that of the heat pump alone.

***Credits are available for specified winter/heating months. Check with your public power provider for availability and amount of the monthly credit.***

**Contact your public power provider and start saving today!**

***NC Public Power***

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