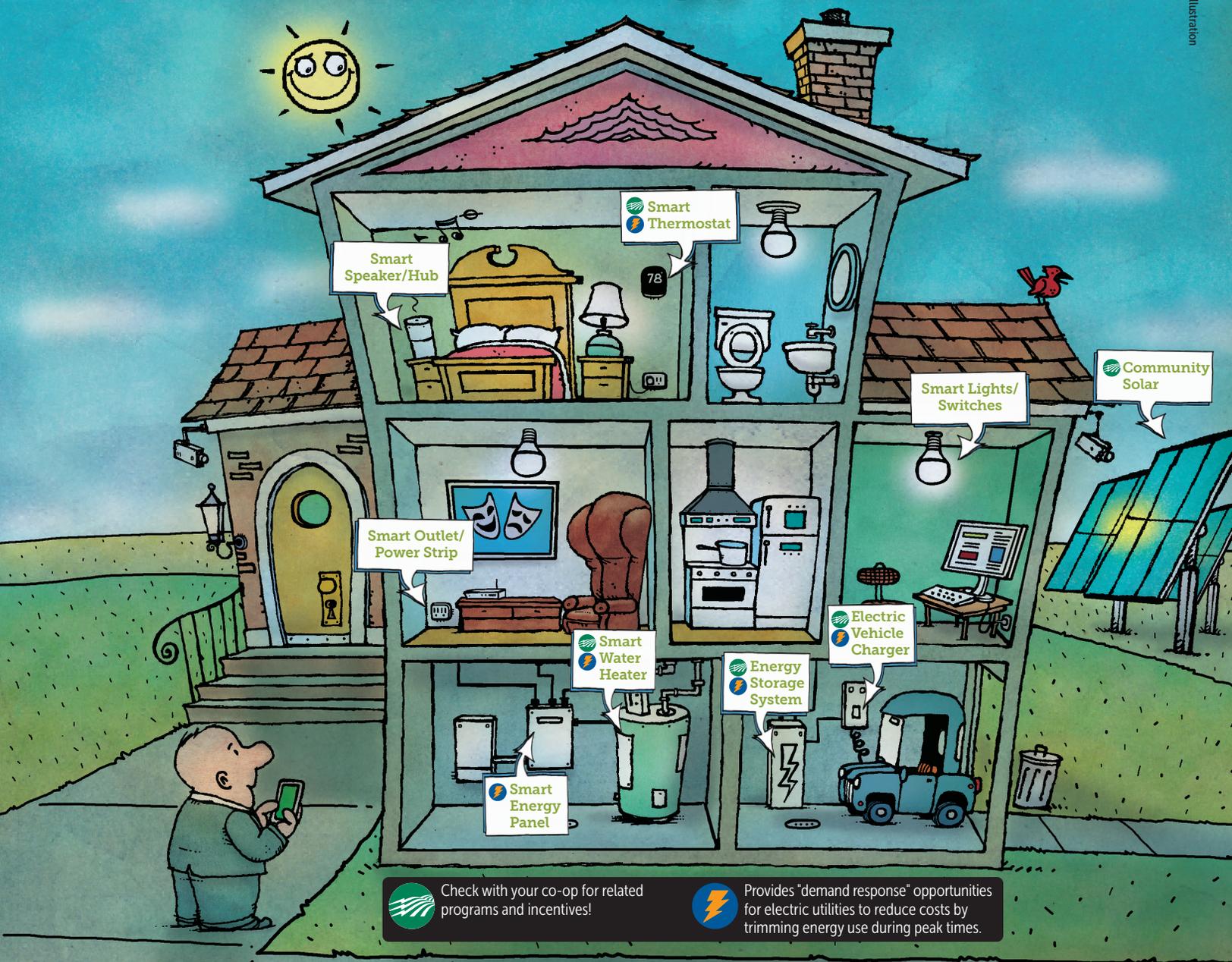


# MAKE YOURS A Smart Energy Home

David Clark Illustration



Check with your co-op for related programs and incentives!



Provides "demand response" opportunities for electric utilities to reduce costs by trimming energy use during peak times.

Starting with a smart speaker and an internet connection, homes can now be retrofitted with various devices to make them more automated and more energy efficient.

## Smart speaker/hub

These days smart speakers are taking over the job smart hubs once had, providing a means to control several wirelessly connected devices from a central location.

## Smart thermostat

Wi-Fi enabled thermostats can be programmed to activate heating and cooling on a schedule, or take over the job themselves.

## Smart energy panel

Provides more control of individual circuits right at the breaker panel.

## Smart lights/switches

Smart bulbs can be set to different hues and light levels. Smart switches can be controlled manually, remotely, or via a schedule.

## Smart outlet/power strip

Outlets and power strips can be programmed to control corded devices on a schedule. Like most smart devices, a smart speaker enables control of them with voice commands.

## Smart water heater

Provides leak detection, remote temperature control and will adjust mode to use patterns.

## Electric vehicle (EV) charger

A Level 2 charging unit provides a faster charge from a 240-volt outlet.

## Energy storage system

Residential batteries are still in the early phases of adoption and typically supplement rooftop solar systems. But as lithium-ion batteries become more affordable, they could provide homeowners a reliable, clean, quiet and cost-effective source of backup power.

## Community solar

North Carolina's electric cooperatives currently maintain 18 community solar farms around the state, allowing members to subscribe to the energy output from a panel or panels.