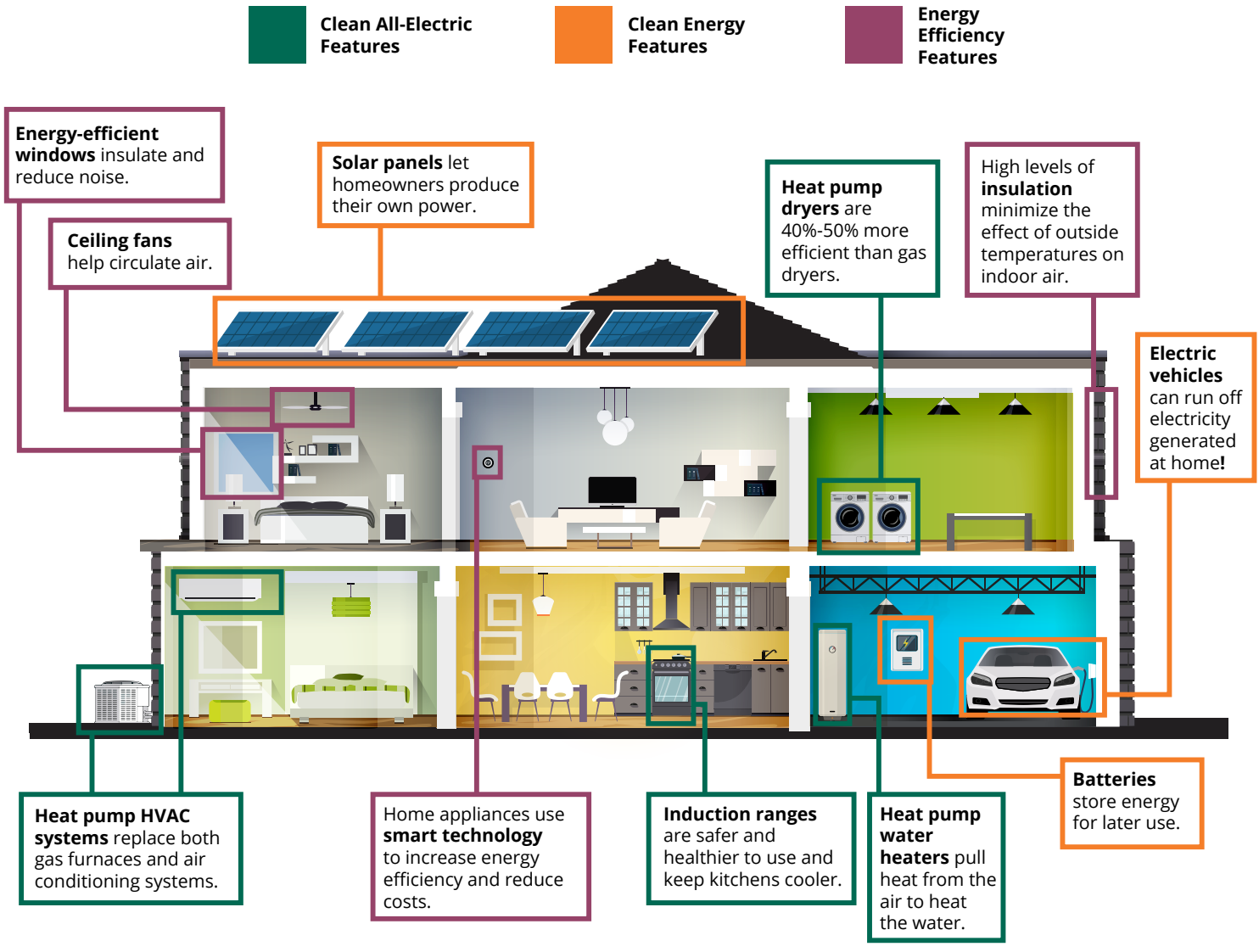
SOUTHERN CALIFORNIA EDISON®
Energy for What's Ahead®

ALL-ELECTRIC HOMES

HEALTHY, CLEAN, AFFORDABLE & GOOD FOR THE EARTH

Owners of all-electric homes — powered by renewable energy paired with battery storage — can save money while reducing greenhouse gas emissions that contribute to climate change. All-electric homes can be clean, comfortable and energy-efficient. By eliminating natural gas combustion, they reduce indoor air pollution from nitrogen oxides, formaldehyde, carbon monoxide and other harmful pollutants.

Builders can save $3,000 to more than $10,000 in upfront costs by constructing an all-electric home instead of a mixed-fuel home. These savings come from lower equipment costs and avoiding gas infrastructure and interconnection costs.*



*"Residential Building Electrification in California", Energy + Environmental Economics, April 2019, available at https://www.ethree.com/publication/

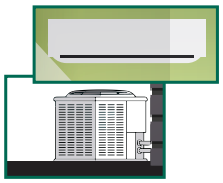
Refer to SoCalGas Rule 20, Section C.3: https://tariffsprd.socalgas.com/scg/tariffs/content/?utilId=SCG&bookId=GAS&sectId=G-RULES "RESIDENTIAL ALLOWANCES. No allowance will be provided for Distribution Main Extensions, Service Extensions, or a combination thereof for Permanent Residential Service on or after July 1, 2023"

ALL-ELECTRIC HOMES

CLEAN ALL-ELECTRIC FEATURES

Heat pump dryer

Heat pump dryers are more energy efficient than gas or conventional electric dryers. They dry at lower temperatures, which is gentler on laundry.



Heat pump HVAC system

Air-source heat pumps work by moving heat. Because they both heat and cool, they save energy and money over their lifetime while improving indoor air quality.

Heat pump water heating

Heat pump water heaters pull heat from the air to heat water — like refrigerators in reverse. Heat pump water heaters require no gas fuels or combustion air and produce no noxious fumes. 2025 Title 24, Part 6 established a heat pump water heater as a prescriptive measure for water heating in newly constructed single-family buildings.

Induction cooking

All-electric, energy-efficient induction ranges are safer and healthier to use, because they eliminate harmful emissions and open flames while keeping kitchens cooler. This is why they are becoming the cooking appliance of choice for many professional chefs. Induction cooktops also provide more precise temperature control and have smooth surfaces that are easy to clean.

CLEAN ENERGY FEATURES

Solar panels

Rooftop solar panels are generally connected to the electric grid, so any excess electricity they generate is stored in batteries or exported back to the grid, and homeowners get a bill credit. When solar panels aren't generating electricity, homes receive energy from batteries or the grid to make sure power flows consistently and reliably.

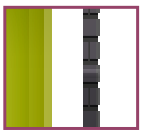
Home battery storage systems

Batteries can be charged with energy generated from solar panels or the grid at off-peak times and then release the energy used at peak hours when electricity is more expensive.

Electric vehicles

Many new all-electric homes are pre-wired for Level 2 EV charging or have prewired circuits available for easy later installation.

ENERGY EFFICIENCY FEATURES



Insulated exteriors

New all-electric homes are usually highly insulated, often with spray foam insulation, and wrapped with an additional layer of foam. The insulation blocks heat transfer, minimizing the effect of outside temperatures and reducing costs of heating and cooling.

Energy-efficient windows

Energy-efficient windows lock in inside air temperatures while reducing outside noise.

Ceiling fans

Ceiling fans help circulate air to increase the efficiency of heating and cooling systems and reduce costs.

Smart home controls

Home appliances use smart technology to be faster, cheaper and more energy efficient. Thermostats and other appliances can communicate with utility companies to take advantage of lower rates at certain times of the day.

New building codes

New building codes now require new construction to be "electric-ready," with built-in wiring, panel capacity, and infrastructure for EV charging and electric appliances. This future-proofs homes, cutting retrofit costs while increasing property value and appeal.

For more information, visit sce.com/electrification