



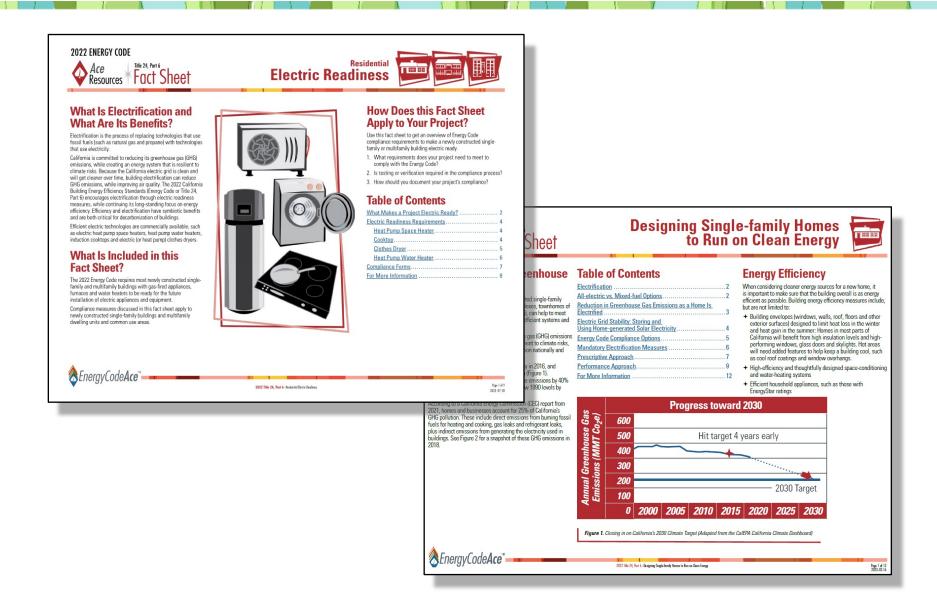
& Decarbonization



Nick Brown

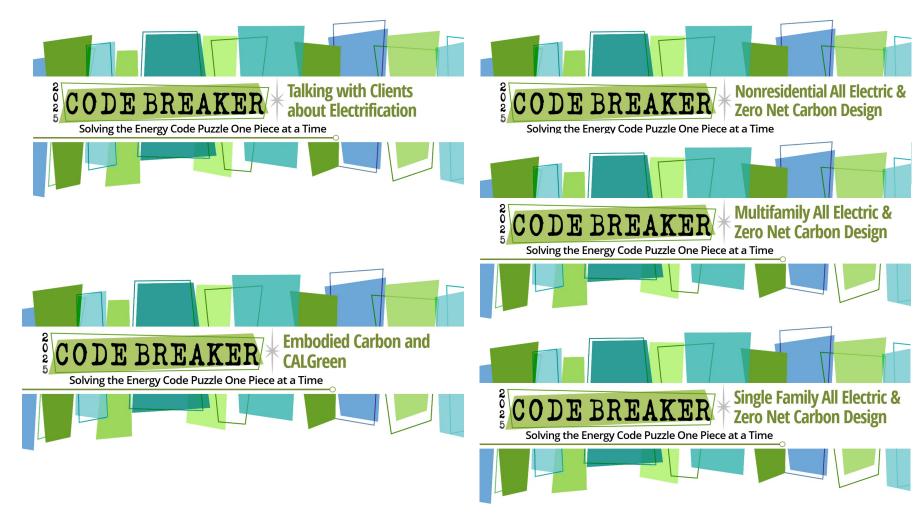
Build Smart Group Energy Code Ace Instructor

Recent Additions to Ace Resources





Recent Additions to Ace Training





Seen in "Talking with Clients About Electrification"

Going Electric Saves You Money







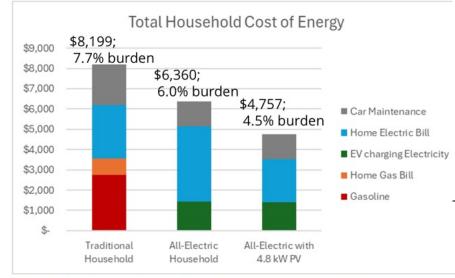
BLOG

Why All Electric? Total Household Cost of Energy

0 Comments

I've lived with a single bill from my electricity provider for transportation and home energy use for a few years now. It is wonderfully convenient to run your entire household off a single utility - the electricity from the grid and in part provided by your own solar panels. This is in contrast to the way we all grew up, with separate providers of gasoline for transportation, electricity for our homes, and gas for our homes.

This concept of total household cost of energy was first presented at a conference a few years ago and I've been thinking about it ever since. So I thought I'd redo the analysis now with today's utility costs, lower compensation rates for exported solar power (NEM3), and what I know about living with EVs.



Results

Total Household Cost of Energy \$8,199, \$9,000 7.7% burden \$8,000

*Source: Build Smart Group Blog for an Inland SoCal family



Seen in "Talking with Clients About Electrification"

Solar & Battery Are Key to Electrification & Decarbonization





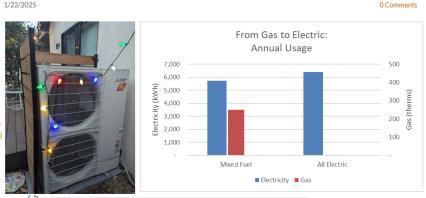
BLOG

Northern Calif



Modeled energy usage for existing/remodeled 2-story house in CZ12 (Sacramento) under NEM3 with current PG&E rates as of August 2025. Battery modeled using Basic control.

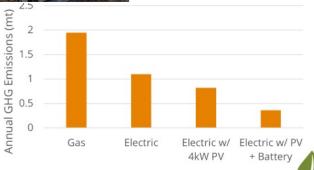
From Gas to Electric: What Really Happened When We Went All-Electric



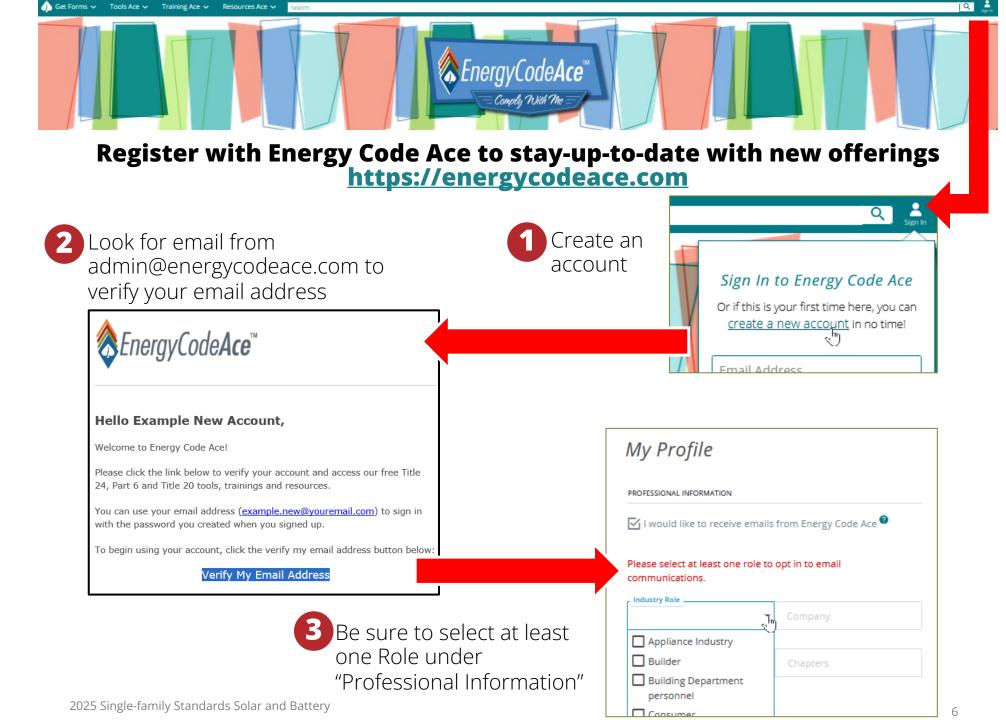
Southern Calif



Modeled energy usage for 2-story existing/remodeled house in CZ6 (Coastal Los Angeles) under NEM3 with current SCE/SCG rates as of August 2024. Battery modeled using Basic control.















A portfolio of on-demand and live online and in-person training alternatives on California's Energy Code and Title 20 regulations, tailored to a variety of industry professionals and addressing key measures

Our Training includes a variety of formats:

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- ★ Recorded webinars
- → YouTube live streaming & videos