Introduction to the Technology and Equipment for Clean Heating (TECH) program









About Energy Solutions



Energy Efficiency





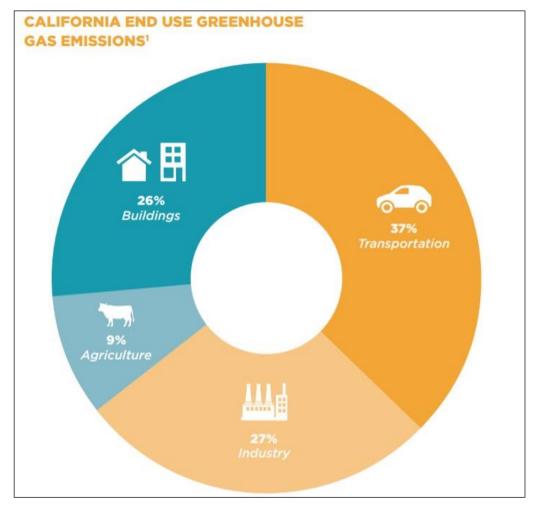
Policy & Ratings

Mission-driven, employee-owned clean energy implementation firm specializing in market-driven programs to deliver large-scale energy, carbon, and water savings

25-year track record pioneering award-winning, end-to-end solutions for utility, government, and institutional clients across North America

Incentive programs in 20+ states have represented 200+ manufacturers, paid \$1 billion+ in incentives, and approved 1 million+ applications

Space and water heating as part of California's decarbonization strategy



Buildings account for ~25% of California's greenhouse gas (GHG) emissions

In the residential sector, space and water heating represent a large fraction of GHG emissions.

A Roadmap to Decarbonize California Buildings, Building Decarbonization Coalition, Feb 2019

TECH Policy Timeline

Sep '18: Executive Order B-55-18 requires California as a whole to be carbon neutral by 2045.

Sep '18: Senate Bill 1477 authorizes \$200 million from gas utility cap + trade funding for TECH and BUILD pilot programs, designed to put California on path to zero-carbon homes by 2045.

Jan '19: CPUC initiates Rulemaking R.19-01-011 on building decarbonization. Phase 1 includes implementing the TECH and BUILD programs.

Mar '20: CPUC Decision 20-03-027 establishes TECH and BUILD pilot program guidelines. Decision directs SCE to conduct RFP for TECH 3rd party implementer.

Nov '20: Energy Solutions team selected to implement TECH program as part of RFP process.

¹BUILD = Building Initiative for Low-Emissions Development. TECH is focused on retrofit market, BUILD on new construction. May '21: TECH program implementation period begins

TECH Program Overview

Program Details

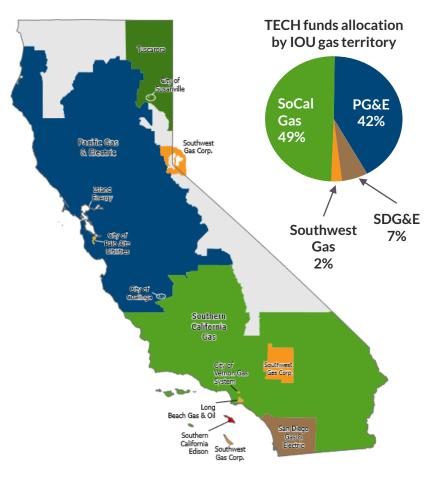
- Goal: Accelerate adoption of commercially available, low-emission space and water heating equipment technologies (primarily air source heat pumps and heat pump water heaters).
- Market Transformation program, designed to build capacity and inform California's longterm residential decarbonization approach.
- Timeline: 2021-25 (4 years)
- ~\$116M budget for incentives and market transformation activities

Activity Highlights

- Upstream and midstream incentives (*i.e.*, incentives paid to contractors, manufacturers, distributors and/or retailers, not paid to consumers)
- Consumer education and outreach
- Workforce education and training

Participation Eligibility

- Eligible installations: single family and multifamily residences in gas IOU territories
- Funding / activities allocated proportional to gas IOUs' share of Cap-and-Trade allowances



Map source: https://cecgis-caenergy.opendata.arcgis.com/pages/pdf-maps

Tentative Program Startup Timeline



platform



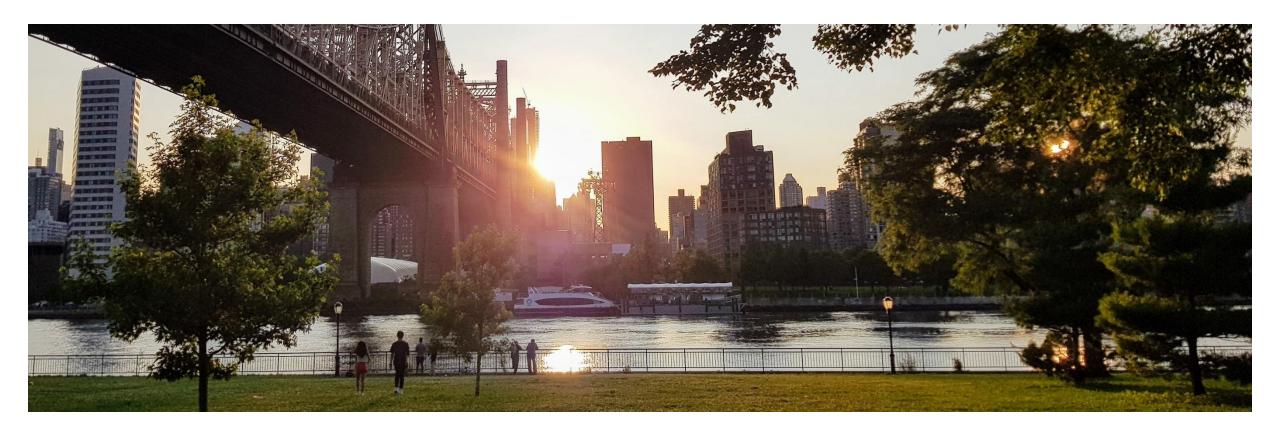
Ongoing enhancements to

consumer outreach platform

For More Information on TECH

To be added to the TECH mailing list and receive key updates, including the timing of the first stakeholder meeting, please complete this web form: https://forms.office.com/r/janRnjh9pV.

For questions about TECH, please email TECH.info@energy-solution.com



Thank You!

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