

TECH Clean California

November 3rd, 2023



Climate Goals

SB 32:




40% GHG reduction below 1990 levels by 2030

SB 100:

100% clean electricity by 2045

Executive Order B-55-18:

Economy-wide carbon neutrality by 2045
(In July 2021, Governor Newsom directed CARB to review feasibility of carbon neutrality by 2035)

		2029	2030	2031
	Agency	South Coast Air Quality Management District (proposed)	CARB (in development)	South Coast Air Quality Management District (proposed)
	Water Heating	Zero NOx (res)	Zero Emissions (res + com)	Zero NOx (comm)
	HVAC			

Leverage California's Heat Pump Investment to Help your Business

California has a goal of 6million heat pumps by 2030....and they are investing big to get there

TECH Clean California

- \$120M
- \$50M added
- \$95M added

SGIP HPWH: \$80M

Equitable Electrification: \$900M+

Inflation Reduction Act: \$292M

What is TECH Clean California?



- California's statewide program to promote adoption of heat pump space heating and heat pump water heating.
- Over 1,000 California contractors already participating.
- Over \$31 million in heat pump incentives paid in 2022.
- Over 13,000 heat pump projects funded.

TECH Single Family HVAC

Program Design Category	2023
Total Statewide Budget	\$22M
Incentive Structure	Flat
Incentive Level	\$1,000 HP rebate only
Eligible Customers	<u>All customers in California</u>
Eligible Equipment	Code Minimum
Project Limitations	Up to 2 incentives per household
Furnace Backup	Accepted, must be part of AHRI matched system
Replacements Types Required	Must be replacing an existing non-heat pump heating system

*TECH incentives can be **stacked** with other local, State and Federal incentives*

Statewide HPWH Program

- \$80.2 M in additional incentives funding for Heat Pump Water Heaters (HPWH)
- Incentives Fall 2023 – end of 2025
- Incentives paid to contractors, passed through to customers
- Retrofit, not new construction
- Residential and commercial IOU customers
- New requirements regarding load shifting:
 - Enrollment in a demand response (DR) program
 - Customer enrollment on a time-of-use (TOU) rate
 - Installed to load shift (specifically via JA13 for residential unitary)



Related programs:

- Self-Generation Incentive Program
- TECH Clean California

Statewide HPWH Incentive Details

Category	Customer Class	HPWH Incentive	*Low-GWP Kicker Incentive	≥ 55 Gallon Capacity Incentive	Electrical Panel Upgrade Incentive	Max Incentive
Residential Unitary	General Market	\$3,100	\$1,500	\$700	\$2,000	\$7,300
Residential Central	General Market Multifamily Central	\$900/kWh	\$200/kWh	N/A	N/A	\$300,000 per project
Commercial Unitary	Large Commercial	\$700/kWh	\$200/kWh	N/A	N/A	\$50,000
Commercial Unitary	Small Business	\$3,100	\$1,500	N/A	N/A	N/A

*Low-GWP refers to systems with GWP of 150 or less

Incentive Process

Step 1: Enroll and complete onboarding

Step 2: Make heat pump sale and submit incentive reservation to hold incentive money

Step 3: Complete installation and any required HERs testing, making sure to note information required on claim.

Step 4: Submit application!

Step 5: Receive incentive payment!



Workforce Development

Turning contractors into fans of heat pumps.

TECH Training- 2023

All available 100% for Free to TECH Enrolled Contractors



HVAC Training:
National Comfort Institute



HPWH Training:
**ESMAC + “Learn and Earn”
HPWH program**



Electrification Training:
Electrify My Home



Multifamily Training:
**Association for Energy
Affordability**

Signs up available: <https://switchison.org/contractors/training-hub/>

Thank You

*For more information or to get involved,
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