

# TECH Clean California

March 17, 2022



**TECH** CLEAN  
CALIFORNIA



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# TECH Initiative Overview

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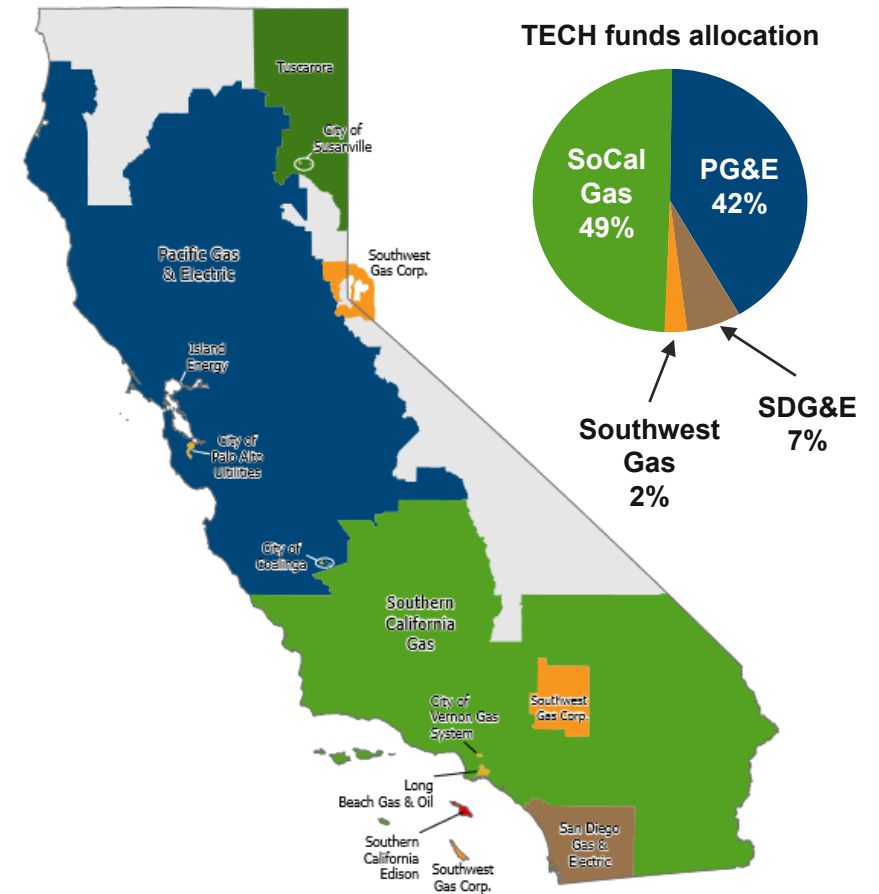
# TECH Clean California Overview

## What is TECH Clean California?

- CA's flagship heat pump market transformation initiative for space and water heating, designed to integrate and complement other existing offerings
- Goal is to help put CA on a path to carbon-free homes by 2045 while striving for scale, equity, regulatory simplicity, and market transformation
- Eligible customers: SF and MF residences in gas IOU territory
- Funding allocated proportional to gas-IOU share of Cap-and-Trade allowances

Please join us at our next quarterly stakeholder meeting on March 22<sup>nd</sup> at 1:30 PM PST.

Sign up here to get invited: <https://energy-solution.com/tech-sign-up/>



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

The TECH Clean California initiative is funded by California gas corporation ratepayers under the auspices of the California Public Utilities Commission.

**TECH Team:**



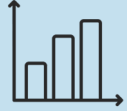
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# TECH Clean California Activities



## Spur the clean heating market through statewide strategies

### Activate the supply chain

- Contractor incentives
- Streamlined Incentive Clearinghouse
- Technical and sales training

### Drive consumer demand

- Statewide marketing campaign and website



## Create scalable models through regional pilots

### Improve targeting and project finance

- Target customers using meter-based analysis
- Deploy a Tariffed-On Bill Financing Pilot

### Expand benefits to HTR customers

- Support low-income programs
- Multi-family pilots targeting property owners

### Streamline installation

- Streamline permitting and installation costs
- Enable load-shifting

### Innovation through Quick Start Grants



## Inform long-term building decarbonization framework

### Develop public reporting site

- Inform policymakers and market actors on progress and impacts

### Quantify decarbonization impacts

- Avoided costs, grid benefits, and customer bill impacts

### Inform policy development

- State, regional, and local regulatory policy

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Incentives

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# Single Family HPWH Incentives

**TECH is partnered with BayREN to offer substantial HPWH incentives everywhere in BayREN territory!**

| Replacement Scenario        | Measure Criteria      | Incentive / Unit |
|-----------------------------|-----------------------|------------------|
| Gas/propane to HPWH         | HPWH < 55 gallons     | \$3,100          |
|                             | HPWH > 55 gallons     | \$3,800          |
| Electric resistance to HPWH | All HPWH sizes        | \$1,500          |
| Panel upgrade/load center*  | Sizing up to 200 amps | \$2,800          |

Incentives shown in table represent combined total of BayREN + TECH + local program



# Single Family HPWH Incentives

Example: MCE Customer

| Replacement Scenario        | Measure Criteria      | BayREN Home+ | BayREN Midstream | TECH    |
|-----------------------------|-----------------------|--------------|------------------|---------|
| Gas/propane to HPWH         | HPWH < 55 gallons     | \$1,000      | \$1,000          | \$1,100 |
|                             | HPWH > 55 gallons     | \$1,000      | \$1,000          | \$1,800 |
| Electric resistance to HPWH | All HPWH sizes        | \$1,000      | \$0              | \$500   |
| Panel upgrade/load center*  | Sizing up to 200 amps | \$0          | \$0              | \$2,800 |

BayREN Midstream + TECH applied for on the same claim!



# Single Family HVAC Incentives

## Baseline Heat Pump HVAC Incentives

| Equipment Type                   | Minimum Efficiency Requirements | Incentive / Unit |
|----------------------------------|---------------------------------|------------------|
| Package, split, mini/multi-split | Title 24 code minimum           | \$3,000          |

Supports customer switching from **any non-heat pump heating source!**

Can be stacked with BayREN Home+ when eligible for an additional \$1,000





# Single Family HVAC Incentives

## Enhanced Heat Pump HVAC Incentives — Efficiency

| Equipment Type                   | Size Category | Tier                  | Seasonal/Part-Load Cooling Efficiency | HSPF | Incentive / Unit |
|----------------------------------|---------------|-----------------------|---------------------------------------|------|------------------|
| Package, split, mini/multi-split | < 5.4 tons    | Title 24 code minimum |                                       |      | \$3,000          |
|                                  |               | 1                     | 16.0 SEER                             | 9.0  | \$3,900          |
|                                  |               | 2                     | 18.0 SEER                             | 9.7  | \$4,800          |

## Enhanced Heat Pump HVAC Incentives — Quality Installation

| Quality Installation Measure                          | Qualifier   | Incentive |
|---|---|-----------|
| Manual J Completed                                    | Provide calculations  | \$600     |
| Duct sealing/replacement and testing                  | 5% total leakage or less  | \$600     |
| Field Measured Performance (based on ASHRAE 221-2020) | Heating System Performance Ratio (HSP <sub>r</sub> ) and Cooling System Performance Ratio (CSP <sub>r</sub> ) = 80% or better | \$600     |

# Multifamily Incentives Overview

- Available for any properties with 5 or more dwelling units
- Single incentive structure available throughout Gas IOU territory
- Reservation system in place to ensure incentives will be available at time of project completion
- \$3m incentive cap for any single contractor or property owner



## Multifamily stakeholders:

Go to [energy-solution.com/tech-incentives/multifamily](https://energy-solution.com/tech-incentives/multifamily) to start your incentive reservation

# Ready to get started?

