

# Montclair Electrification Pilot



## Building Types

The following building types are generally well suited for light duty heat pump water heater installations. Based on installation volume, electrical and natural gas savings, these building types would benefit and represent key locations for heat pump water heater installations:

Building Type	Opportunity – Market Size	Electricity Savings	Gas Savings
Small offices	High	Highest	High
Warehouses	High	High	High
Quick service restaurants	Medium	Medium	Highest
Community Based Organizations (examples: community centers, cultural centers, places of worship, YMCAs, non-profits)	Medium	Medium	High

## Fuel Conversion Gas to Heat Pump Water Heater (HPWH)

Gas WH Capacity (gal)	120v HPWH Capacity (gal)	240v HPWH Capacity (gal)
30	65	60
40	80	80
50	N/A	90
60	N/A	110
75	N/A	>120

When converting from an electric resistance water heater to a heat pump water heater, a size change is likely unnecessary.

## Summary

In September 2025, **Montclair Presbyterian Church replaced two gas water heaters with two heat pump water heaters**, demonstrating a commitment to reducing environmental impacts while investing in safer, more durable appliances that run cooler and have fewer moisture issues.

According to the California Air Resources Board, **85 percent of on-site building emissions come from space heating and cooling, and water heating.** Heat pump technologies are key to decarbonizing buildings and achieving California’s zero-carbon goals.



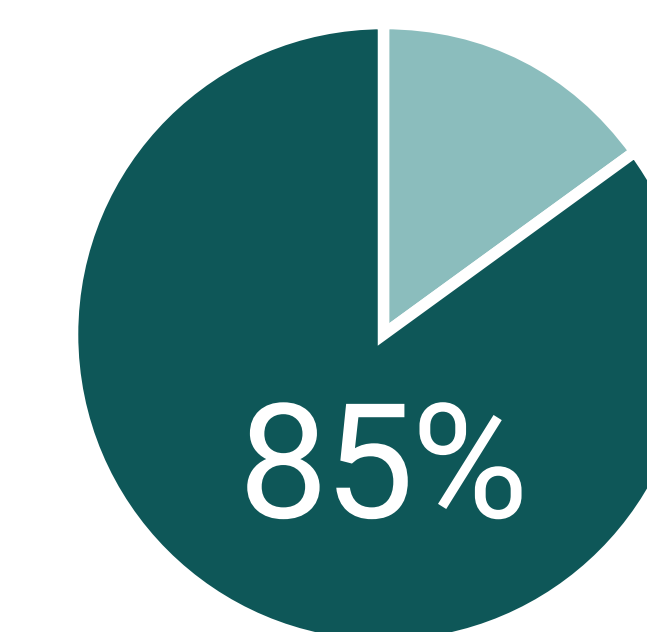
## Potential Savings

-12,900 kWh

ELECTRIC

1,450 MBtu/h

GAS



## Heat Pump Water Heater Installation Considerations

- **Ventilation** – Ensure heat pump water heaters will be installed in a location with adequate ventilation, following manufacturer requirements.
- **Access to Electricity** – Check the electrical panel capacity to confirm that it has sufficient amperage to support the heat pump water heater.
- **Size** – A properly sized heat pump water heater should meet or exceed the manufacturer’s sizing recommendations.

## Customer Benefits

- ✓ High energy efficiency and potential for **lower utility bills.** Participation in programs that shift water heating to off-peak hours can provide further bill savings and support a more stable electricity grid.
- ✓ **Reduced emissions** and carbon footprint.
- ✓ Often **more durable** than conventional models and can provide cooling and dehumidification to the surrounding area.

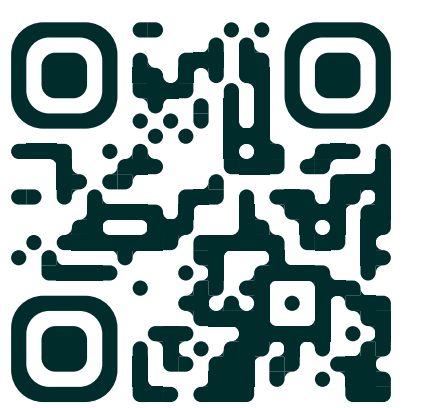
## Heat Pump Water Heater Incentives

Whether projects qualify for small business incentives is based on the equipment installed. Small business projects are those that install equipment that would otherwise qualify for residential incentives, but that are installed at a non-residential business or facility.

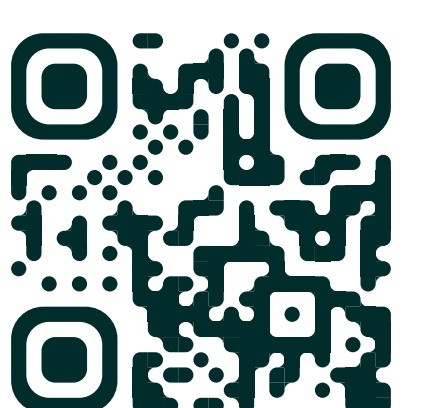
## Resources



The Switch Is On makes it easier to understand your options, benefits, and connect with trusted resources, rebates, and expertise to make your upgrading your home to more efficient technology simple and affordable.



PG&E offers rebates and incentives for a variety of technology.



TECH Clean California is the statewide initiative to accelerate the adoption of clean space and water heating technology across California homes.

