

# Complete Energy Solutions

## Heat Pump Water Heaters

### Replace your water heater with an energy-efficient heat pump using SMUD incentives

Heat pump water heaters (HPWH) can be greater than three times more efficient than your current water heater. Replacing gas-fired and electric resistant water heaters with a HPWH is a step towards a more efficient, healthier community.

SMUD Complete Energy Solutions (CES) incentives significantly reduce the out-of-pocket cost of installing a new heat pump unit.

#### Go Electric Incentives

Customers will receive an incentive based on the size and type of HPWH installed. See the deemed incentive table for details.

Incentives are designed to make HPWHs the easy choice when comparing new water heating options.

#### Deemed Incentive

- \$4,500 for HPWH (50-80 gallons)
- \$5,000 for split-system HPWH
- \$7,000 for HPWH (>80 gallons)

#### Infrastructure Upgrades

Customers may receive up to \$7,000 on a case-by-case basis for Go Electric projects that require utility-side infrastructure upgrades.

Contact [CES@trccompanies.com](mailto:CES@trccompanies.com) for more information.



Heat pump water heaters can be more than three times more efficient than alternatives.

#### Benefits

- Reduce energy use with highly efficient HPWHs that require less energy than alternative water heaters.
- Replace aging equipment to avoid failure and improve hot water reliability.
- Go electric and improve safety and indoor air quality by eliminating gas which reduces carbon monoxide and other indoor air pollutants.
- Dehumidify the space and mitigate mildew and/or mold as your HPWH naturally draws moisture from the air.

## Here's how it works

While a gas-fired water heater burns natural gas to create hot water, a heat pump works by moving heat from the surrounding air to heat your water. Because a heat pump is moving energy instead of creating it, a heat pump is significantly more efficient than a gas-fired or electric resistance unit. The absence of fuel removes the danger of combustion, carbon monoxide production and other air pollutants.

SMUD's limited-time incentives in 2024 make now a great time to decarbonize commercial buildings by replacing gas units all at once. By proactively replacing the unit, you can ensure your business has consistent and reliable hot water before your water heater fails.

The CES program and your SMUD-approved contractor will help you select the ideal heat pump water heater for your building, taking into account tank volume and your building's hot water demand. It's important to size the water heater using the storage capacity and the heat input in "efficiency" mode, not using the unit rating.

Heat pump water heaters typically include an electric resistance heating element as a backup heating method. To avoid impacting your bill, it's important to limit the amount of time electric resistance heaters operate. Heat pump water heaters can often take advantage of larger storage tanks to help meet periods of high demand.

SMUD's emphasis on carbon-free renewable electricity generation makes switching from gas water heaters to heat pumps an increasingly important step toward reducing greenhouse gas emissions.



Work with a CES contractor to select the right heat pump water heater for your building.

## Project support

Get started with a free energy assessment from CES. Your personal energy advisor will outline the incentives available for heat pump water heaters. Our comprehensive assessment will also identify other opportunities to improve your building's energy efficiency with additional incentives from SMUD.

Electrification projects can substantially change the amount of electricity used at your facility. The CES team can help you understand the expected impact on electricity use. The team will also fill out a SMUD Infrastructure Capacity Evaluation form to help determine if existing infrastructure is adequately sized for any increase in electricity use.

Learn more and sign up for your free energy assessment at [smud.org/CES](https://smud.org/CES).

This program is brought to you by SMUD and delivered by TRC and Brighton Energy. | CES@trccompanies.com | 1-844-529-4084