



Heat Pump Conversion Guide

HVAC Heat Pump Energy Consumption in Fresno, CA

In Fresno, California, with its mild winters, the energy consumption of a heat pump system will be lower than in colder climates. For a 2,000 sq ft home with average levels of insulation and air sealing, the heat pump is expected to use around 2,500 to 3,500 kWh during the winter months. At \$0.30 per kWh This estimate is based on the typical heat pump efficiency, the average winter temperatures in Fresno, and the energy required to heat a home of this size. However, these numbers can vary based on specific home conditions, such as the exact level of insulation, the number of windows, and the habits of the occupants. These numbers are a ballpark estimate, not a guarantee.

Heat Pump Water Heater Energy Consumption in Fresno, CA

A heat pump water heater is an energy-efficient alternative to traditional gas-fired tank water heaters. The unit works by extracting heat from the surrounding air to heat the water, significantly reducing energy consumption. In the climate of Fresno, California, a heat pump water heater in a 2,000 sq ft home can be expected to use between 1,400 to 2,000 kWh annually. This estimate is based on average household hot water use, heat pump efficiency, and the moderate climate in Fresno. However, actual energy use can vary based on factors such as household size, hot water usage habits, and specific characteristics of the home. These numbers are a ballpark estimate, not a guarantee.

Energy Savings: Heat pumps are highly efficient, converting nearly all of the electricity they consume into heat. This can result in significant savings compared to gas-fired furnaces or water heaters, which typically lose some energy in the combustion process. Heat Pump water heaters are also 3 times more efficient than conventional electric water heaters.

Environmental Impact: Converting to a heat pump system reduces the reliance on fossil fuels, decreasing the home's carbon footprint. When combined with solar energy, the environmental impact is even lower.

Cost Predictability: With a heat pump and solar, homeowners can expect more predictable energy costs. Solar panels generate electricity even in the winter, offsetting the energy used by the heat pump.

Improved Home Comfort: Heat pumps not only heat homes in the winter but also provide cooling in the summer, offering a year-round solution for home comfort.

Health and Safety Benefits: Traditional gas furnaces have a risk of carbon monoxide leaks, which can be harmful or even fatal. A heat pump, on the other hand, doesn't burn fuel, completely eliminating the risk of carbon monoxide poisoning. This makes heat pumps a safer

HVAC Heat Pump - Juan Flores 559-206-2316 or Jose Ramos 559-314-1770

Water Heater Heat Pump - Juan Cabrera 559-354-6451 or Brandonn McCullough 559-354-7122



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option, providing peace of mind for homeowners, particularly those with children or elderly residents.

Future-Proofing: As cities and states push towards greener building codes and energy usage, transitioning to a heat pump system now can help homeowners stay ahead of future regulations.

Reduced Maintenance: Heat pumps require less maintenance compared to gas-fired furnaces, which can result in additional long-term savings.

Rebates & Incentives - Up to \$14,500

Can not be guaranteed and subject to change based on funding or other conditions

California Energy Smart Homes - \$5,500 up to \$6,500 with panel upgrade

Requirements: Gas fired appliances converted to heat pumps & electric. The HVAC & Heat Pump water heaters must be converted from gas to electric, to qualify. If dryer and/or oven/stove is gas they must be converted to electric, if they are currently electric they do not need to be replaced. Only a participating contractor like Balanced Comfort Cooling, Heating & Plumbing can apply for these incentives. Customer receives rebate check 4-6 months after project completion.

Burn Cleaner Program by the San Joaquin Valley Air Pollution Control District - \$5,000 to cap/decommission a wood burning fireplace and install a heat pump system (1 incentive per home). Not all fireplaces will qualify. Application for rebate must be approved before work begins. Balanced Comfort can apply for these incentives and will perform the cap/decommissioning of the existing fireplace to program guidelines. Customer receives rebate check 3-4 months after project completion.

Federal Tax Credit: 30% up to \$2,000 tax credit off the installation of a Heat Pump HVAC or Heat Pump Water heater. Specific guidelines on which types of systems would qualify for this tax credit, not all heat pumps will qualify. This is not tax advice, customers should check with their CPA or tax professional.

Tech Clean California: \$1,000 off the installation of any heat pump system (max 2 incentives per home). Only participating contractors like Balanced Comfort can apply for this rebate. Can be combined with Burn Cleaner and CA Energy Smart Homes. Customer receives rebate check 4-6 months after project completion.

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