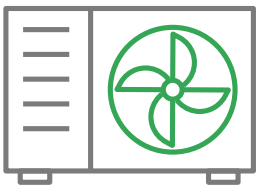
GTI ENERGY
solutions that transform

Looking for Participants for Space Heating, Cooling, and Hot Water Project to Advance Clean Energy

Be part of an exciting pilot program in California that will replace your current equipment with a next generation system at no cost



Heat pumps are more efficient than gas-fired furnaces and water heaters for space and water heating, and new air-to-water heat pump (AWHP) systems can reduce operating costs and electric demand load compared to other HVAC technologies.

GTI Energy, a technology development organization shaping energy transitions, is currently recruiting two test sites for a pilot program on an all-electric "Combi" AWHP in single-family residences in California. The AWHP is a "three function" combi system that can provide space heating, space cooling, and domestic hot water with simplified installation, lower space requirement, and simplified electrical service requirements.

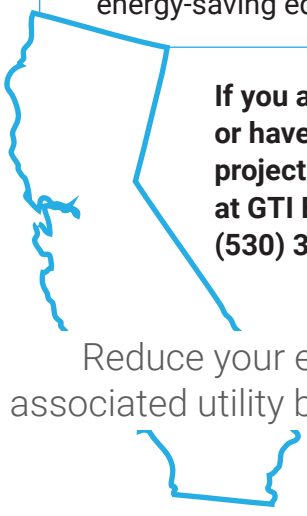
We are looking for two single-family homes in PG&E, SoCal Edison, or SDG&E territories to demonstrate real-world performance of this innovative new technology to reduce greenhouse gas emissions, and your home might be the perfect fit!

Your HVAC and hot water system will be replaced with an all-electric "Combi" AWHP by professionals at no cost. Researchers will monitor and measure your energy usage data for at least twelve months and you will be asked to provide information about your experience with the product. The field evaluation will assess annual energy and cost savings and demonstrate the benefits of the proposed technology.

Once the test has ended, the monitoring equipment will be removed, but the new AWHP system will remain and be yours—free of charge!

Benefits to Participants

- Reduce your energy consumption, associated utility bills, and carbon footprint
- Free equipment upgrade for older, less efficient HVAC and hot water system
  - At the end of the pilot, participants can elect to either keep the new "Combi" AWHP system or receive a complimentary new code-compliant dual fuel forced system with a gas-fired furnace with a condensing unit and domestic hot water tank.
- No cost installation of the electric "Combi" AWHP and removal of the existing equipment
  - Support from technical experts to troubleshoot any issues
- Test and provide feedback on innovative energy-saving equipment



If you are interested in participating or have any questions, please contact project manager Kaushik Biswas, PhD at GTI Energy kbiswas@gti.energy or (530) 324-6059 by February 14, 2025.

Reduce your energy consumption, associated utility bills, and carbon footprint

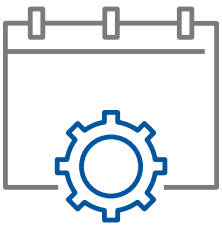
Help develop low-carbon solutions for clean energy! Pave the way for innovative new technology to be adopted in California.

Demonstration Site Requirements

- Single-family residence located in California PG&E, SoCal Edison, or SDG&E territories, with sufficient heating, cooling, and hot water loads

- At least 12 months of past utility bills with the existing HVAC and water heating systems for establishing the baseline
  - Need 15-minute interval data to establish peak demand during baseline period
  - Homeowners can get this data from their utility or authorize GTI Energy to directly access the data from the utility

- Allow GTI Energy and an installation contractor access to the home for removal of the existing HVAC and hot water systems and installation of the AWHP system
- Allow GTI Energy and the installation contractor continued access to the home for at least 12 months of post-installation performance monitoring and troubleshooting the system



Combi air-to-water heat pump provides space heating, space cooling, and hot water

Monitor and measure energy usage data to assess annual energy and cost savings

Post-installation performance monitoring and troubleshooting the system

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