

### Questions from the audience:

**Q:** I'm always interested in the "embodied" energy in existing functioning systems, like our furnace and oven. Is it always right to get rid of methane gas appliances regardless of age or functionality?

**A:** Even with high-efficiency, newer gas appliances, it is better to find electric replacements. Appliances' parts can be recycled, while avoiding the health, safety and climate change hazards resulting from gas use.

**Q:** I understand targeting homeowners first; but, when do you expect you will be able to focus on rental units for heat pump water heating?

**A:** Peninsula Clean Energy offers free technical design assistance for all-electric buildings, which includes existing multi-family properties. Learn more:

<https://www.peninsulacleanenergy.com/design-technical-assistance/>

**Q:** Will there be incentives for replacing gas furnaces with heat pumps? How challenging is that conversion if you have an existing forced air heating system?

**A:** That is usually pretty easy. There is currently a \$3,000 incentive through the [TECH](#) program to help. There is also a list of [TECH-approved](#) contractors to assist in the transition.

**Q:** Does the Electric Home Ambassador Program extend beyond San Mateo County?

**A:** [Yes.](#)

**Q:** I have heard many concerns about the noise from heat pump water heaters, particularly indoors. Any comments?

**A:** Noise varies depending on the model of heat pump water heater used, but building design can reduce this issue

**Q:** Do we know why these contractors would recommend their clients to stay away from electrification? Is it lack of knowledge? Or because they already have their vendors set up? Or just change management challenges? What IS it?

**A:** The answer is likely all of the above. All union-trained, professional electricians should be able to do everything required to set up a heat pump water heater and solar panels. It may be helpful to ask for a qualified electrician when making updates such as these.

**Q:** How will the grid keep up with people going all electric?

**A:** It is unlikely that people will adopt so many electric appliances overnight that the grid will not be able to handle the change. However, building electrification must still occur at a fast pace and be matched with growth in renewable energy to minimize carbon emissions. Energy efficiency upgrades can help reduce the impact to the grid.