

Testimony regarding requirements for Heat Pump Hot Water Heaters for additional building types.

From Duncan Griffin, HDR.

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I am in support of this initiative.

I have 2 experiences using Heat Pump Hot Water Heaters.

- I have had a Heat Pump Hot Water Heater in my own home for 5 years and have found it reliable and effective as a replacement for the previous gas Water Heater. I will note that it constantly produces cold air.
- My other experience is as a Principal-in-Charge of a 45,000 sf Medical Office Building where we made the choice not to install natural gas service. In this case, we located the Heat Pump Hot Water Heater adjacent to the MDF and Server room. We also located vents between the rooms high and low between these two rooms, allowing cold air from the water heater room and enter the MDF, where it cools the constant heat of that equipment. This resulted in the reduction of energy use intensity by 5kbtu/sf yr, reducing the overall energy consumption of the facility.

I would encourage those concerned with this equipment to consider the location heating and cooling demand based on process loads, as placement can very positively impact energy consumption.