

# Retrofit-Ready Heat Pump Water Heater Summit

## Draft Specs

### Plug and Play

- Like-size replacements for 40 gallon and 30 gallon models (50-80 gallons exist)
- 5 amps at 110/120 V
- Integrated condensate drain pump
- Option for longer (e.g. 20') electrical cord

### Competitive Efficiency

- Can beat the annual California gas utility bill for an existing EF=.60 tank by at least 20%
- NEEA Tier 3 or Tier 4

### Grid Harmonized

- Thermal storage enabled
- Grid Services
  - Load shifting/shaping potential
  - CAISO market valuation and bidding
  - Resource adequacy

### California-Specific Performance

- First-hour rating based on CalGreen compliant fixtures (e.g. Shower = 2.0 gpm)