



What's so great about heat pumps?

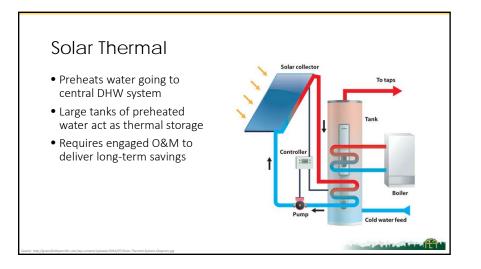
- Are hyper-efficient (4-5x equivalent gas products)
- Enable Zero Emissions Buildings via carbon-free renewable energy
- Can utilize on-site solar and act as a thermal battery
- Improve air quality no local emissions
- Improve safety no gas lines in building

The standard of the

How do we heat water?







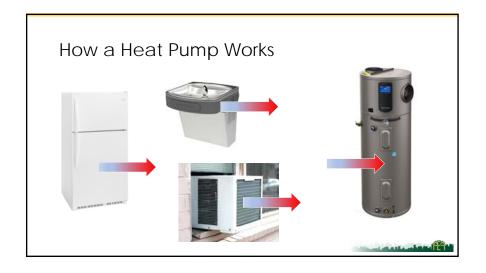
Electric Heat Pumps – 300-500% Efficient • In-Unit or Central • Most efficient way to heat water with electricity

How a Heat Pump Works

It **moves heat** from one place to another using **refrigerant**.

Just like an air conditioner or refrigerator.





Meeting CA Energy Code w/ All-Electric

- Currently **very difficult** because Title 24 Energy Code favors gas over electricity
- Energy metric used for code compliance TDV is not well-aligned with carbon emissions.
- How we're getting projects to comply under current limitations
 - Cumbersome workarounds w/ compliance penalties
 - Improving other systems to make up for electric penalty in code compliance model
- City of Berkeley talking to CEC about fast-tracking improved codecompliance options for all-electric buildings

