

Submittal Requirements: BayREN/TECH Permitting Pilot

Problem

It's not always clear what materials are needed as part of a permit application to ensure that the HPWH project complies with all relevant code requirements.

This can increase time or cost when:

- Applications don't include all needed materials and additional requests are needed
- Applicants spend time/money creating materials that aren't necessary

Some projects may need additional application materials, such as structural calculations for a HPWH being installed in a new location with raised floors. It's important to know what application materials are needed for each project.



Solution

Provide resources to help everyone understand and get on the same page about what is needed and what the building department will be looking for

The image shows two documents side-by-side. On the left is the 'Individual Dwelling Units and Heat Pump Water Heaters 2022 HPWH Building Code Assistance Sheet', which includes a table with columns for 'Performance Path', 'Minimum Existing Load', and 'Service Load'. On the right is the 'Electrical Load Estimator Tool Instructions', which provides detailed steps for using the tool, including sections for 'Introduction & Disclaimer', 'Maximum Existing Load', and 'Service Load Calculation Method (CEC Section 220.83)'.

Resources

The Permitting Pilot project created resources for HPWH permitting, including:

- **Electrical Load Estimator Tool** calculates the impact of a HPWH on a home's electrical load
- **Building Code Assistance Sheet** summarizes code requirements and answers common code questions



Updates to Assistance Sheet planned

What submittal materials does your jurisdiction require for a HPWH application?

SF DRL required little documents
 1) Title 24 Compliance Report which had a heat pump WH.
 2) Location shown in plan
 3) statement in plan that the water heater is a H.P. WH.

What other questions or topics need clarification?

Different Cities REQUIREMENTS VARY. From location to location.

Is there a point system for having a HPWH installed in reducing energy cost through PG&E?

Making it more straightforward to apply for rebates + certainty about rebates

Helpful to have a list of all HPWHs that meet state requirements - list of approved data models

Handle quality design & final inspection. No longer require plan check.

Get CEC general permission to install resistance WH again.

No new portals -> just one! implement across existing portals