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Panel 2: Tools and Resources

Examples for Local Governments

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August 30, 2022

Bay Area Regional Energy Network (BayREN)



BayREN is:

- A collaboration of the Association of Bay Area Governments (ABAG) and the nine counties that make up the San Francisco Bay Area
- One of four regional energy networks (RENs) in California
- Funded by the CPUC
- Focus on buildings saving energy and reducing emissions



Current BayREN Programs

Home+ Single Family Program

Multifamily Program

Green Labeling Program

Business Program

Water Upgrades \$ave Program

Codes & Standards
Program



BayREN's Codes & Standards Program

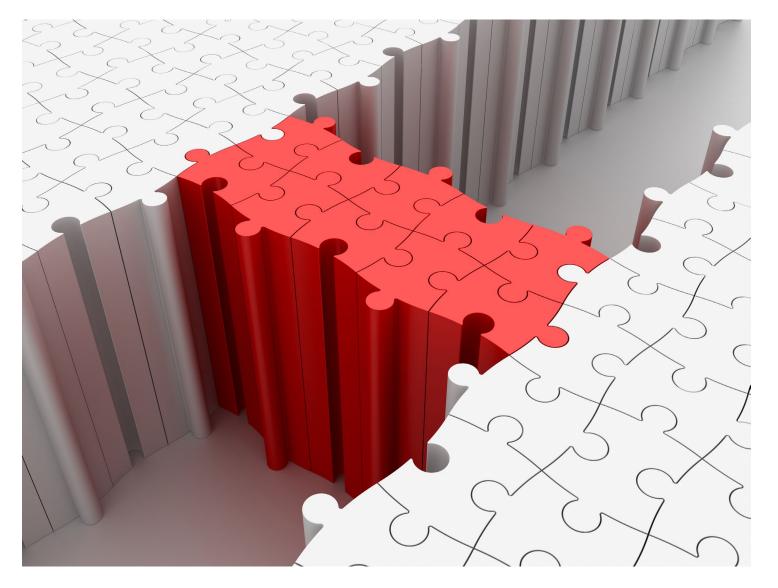


Three areas of focus:

- 1. Improving energy code compliance,
- 2. Increasing adoption of local energy policies, and
- 3. Connecting local government needs and state policies

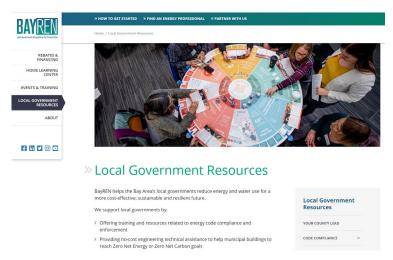


Local
Governments
Need
Information
and Resources





Examples of existing sources of information



https://www.bayren.org/local-government-resources



Your one-stop shop for no-cost tools, training and resources to help you comply with California's <u>Title 24</u>, <u>Part 6 building energy code</u> and <u>Title 20 appliance standards</u>. We're powered by the California Statewide Codes & Standards Program and vetted by the California Energy Commission.

https://energycodeace.com/







https://localenergycodes.com/

Two examples:

- 1. Heat Pump Water Heaters
- 2. Reach Codes

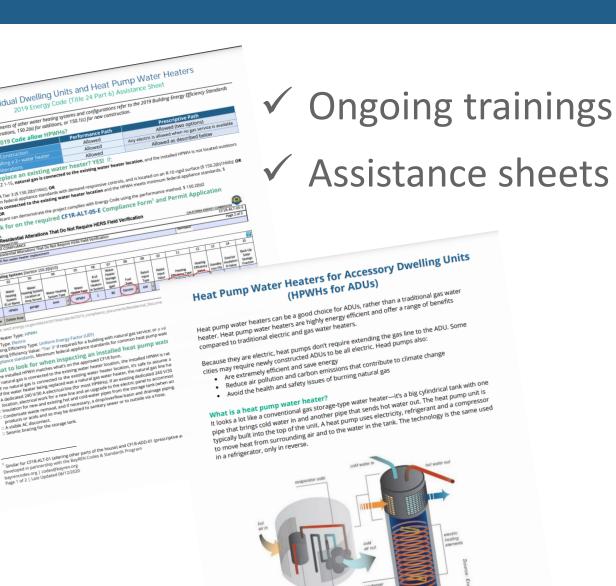
Example 1: Heat Pump Water Heaters

Building Department Role

- Permitting & inspecting HPWHs
- Staff need to know:
 - What are HPWHs?
 - What are the relevant code requirements?
 - What do we need to look for on the plans and in the field to ensure HPWHs are installed safely and to code?



HPWH Building Department Resources





REBATES & FINANCING

HOME LEARNING CENTER

EVENTS & TRAINING

LOCAL GOVERNMENT RESOURCES

ABOUT



» HOW TO GET STARTED » FIND AN ENERGY PROFESSIONAL » PARTNER WITH US

Home / Events & Training / BayREN C&S Training: Heat Pump Water Heaters for Building Department Staff

TRAINING



BayREN C&S Training: Heat Pump Water Heaters for Building Department Staff

Wednesday, September 28, 2022

9 a.m. - 10:30 a.m.

Online

Heat pump water heaters (HPWHs) are an increasingly popular technology that are a highly efficient means of providing hot water to houses. This training will describe HPWHs, code requirements for HPWHs, resources for permitting and compliance, and best practices for enforcement.

ICC CEUs: 0.1

Target Audience: Permit technicians, plan checkers, and field inspectors.

Register ☑

Field inspectors Permit technicians Plan checkers

TOPICS

Energy Code, Heat Pump Water Heater

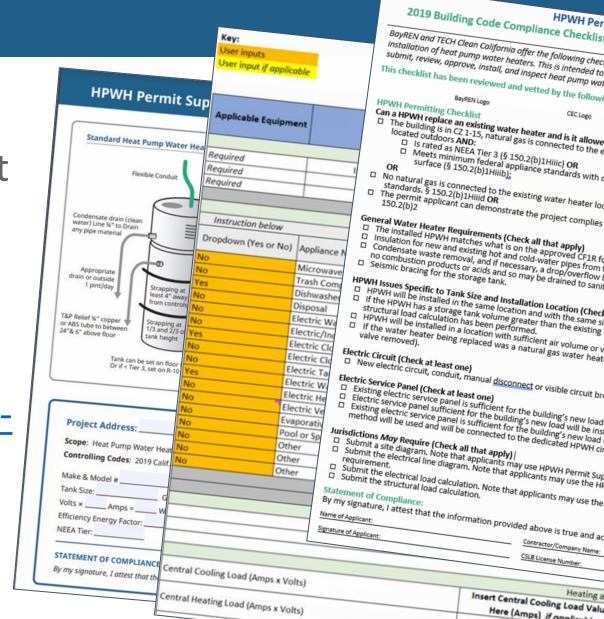
HPWH Building Department Resources

TECH Permitting Pilot Resources

- ✓ Building Code Assistance Sheet
- ✓ Permit Supplement Template
- ✓ Electrical Load Estimator

Resources:

https://www.bayren.org/building-dept-tools-guides/heat-pump-water-heaters



Example 2: Reach Codes

Building Department Role

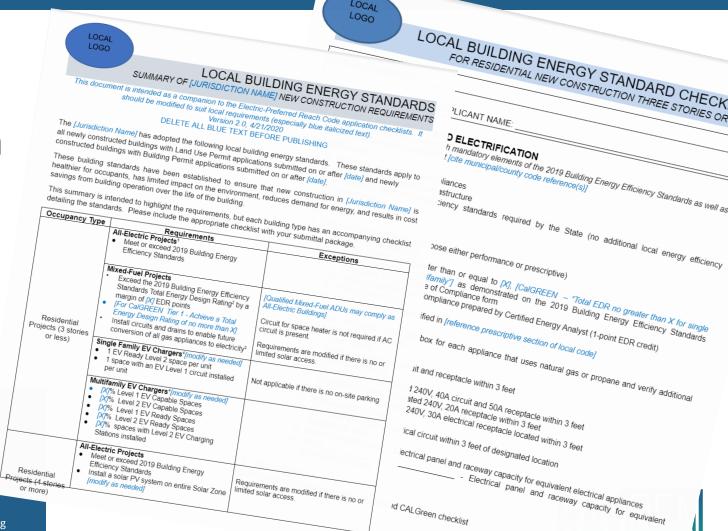
- Enforcing reach codes as part of permitting process
- Staff need to know:
 - What are my jurisdiction's reach code requirements?
 - How do those relate to the base code requirements?
 - What do we need to look for on the plans and in the field to ensure our reach code is implemented?

Reach Code Resources for Building Departments

- Customized trainings
- Open training curriculum
- Checklists & summary



Reach Code Training – City of Milpitas



ed CALGreen checklist

Key Points

Common goals of resources:

- ✓ Provide information about code requirements
- ✓ Encourage consistency between local jurisdictions
- ✓ Help building departments and applicants get on the same page



Key Points

- Resources need to:
 - ✓ Address the right questions
 - ✓ Be reliable and accurate
 - ✓ Reduce confusion
- Information is especially needed for new technologies and new policies



Key Points

Collaboration is important when developing and promoting resources

For example:

This document is the product of a collaborative effort:

Building Decarbonization Coalition

BayREN

Peninsula Clean Energy

Silicon Valley Clean Energy

East Bay Clean Energy

New Buildings Institute

Statewide Utility Codes and Standards Program: Reach Codes

& Staff from Multiple California Jurisdictions



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