Residential Water Heater Alteration

2016 Energy Code Permit Guide

Permit DA	ATE: Permit NUMBER:	CA Climate Zone:
Permit AE	DDRESS:	City, Zip:
with an inp	out rating \leq 200,000 Btu per hour; and Elect urations refer to section 150.2(b) of the 201	9 9 11
	PLACING AN EXISTING WATER HEATE e of water heater do you plan to ins	
	e of water fleater do you plan to ms atural gas or LPG/propane.	ldii:
		is water heater. More efficient than traditional electric resistance.)
	ectric neat Fulfip (Newer type of electr ectric Resistance (Allowed only if natura	ic water heater. More efficient than traditional electric resistance.)
	DDING A SECOND WATER HEATER:	al gas is flot available to building)
		le gas or propane tankless water heater to a home that has an
	-	the Performance Compliance Approach** (See CEC Blueprint
#113) PIPE INSI		(see eze sidepime
	wing pipes must have at least one in	ch of insulation
	~ .	g hot and cold water pipes nearest a storage type water heater
	ny newly installed hot water piping 34" of	
	, ,	ween the water heater and kitchen fixtures
	ny newly installed hot water piping belo	
	-ATION SYSTEMS:	9.332
	in existing recirculation system?	
□ Ye		sts, accessible pipes within the loop must be insulated when adding
	,	ion system with a "demand recirculation system with manual control". ed. Any other type requires the Performance Compliance
\square N	0	
	If you plan to <i>ADD</i> a recirculation systopipes in the loop must be insulated.	tem, the Performance Compliance Approach must be used**. All
ISOLATIO	N VALVES:	
co	•	ting greater than 6.8 kBTU/hr (2kW) require isolation valves on both ving the water heater, and hose bibs or other fittings on each valve alves are closed.
	Prescriptive Form:	
• C	F1R-ALT-01-E: Certificate of Compliance	, Residential Alterations (only parts A, H and signatures)
• Vi	e information on 2016 Title 24 Par sit the CEC website: www.energy.ca.gov/t ontact the CEC energy code hotline at (800)	

Contact the BayREN Codes & Standards Program by email: codes@bayren.org

^{*} If replacing electric resistance water heater in a building where natural gas is available, only an electric heat pump water heater or gas water heater can be installed.

^{**} Some alterations to existing water heating systems will substantially increase energy consumption. Additional conservation measures are likely required to offset this. The performance approach is a way to determine what measures will cost-effectively offset the additional use. Contact an energy consultant at www.cabec.org