

Prescriptive Certificate of Compliance: Residential		CF-1R-ALT
Residential Alterations: WATER HEATER (climate zone 10)		(Page 1 of 1)
Site Address:	Enforcement Agency: CITY OF ONTARIO	# of stories:

WATER HEATING					
<i>List water heaters and boilers for both domestic hot water (DHW) heaters and hydronic space heating. Individual dwelling DHW heaters must be gas or propane fired, and may not exceed 50 gallons. Hot water pipe insulation from the DHW heater to the kitchen(s) and on all underground hot water pipes is required in all component packages in all climate zones.</i>					
Water Heater Type/Fuel Type ¹	Distribution Type (Standard, Recirculating) ²	Number In System	Tank Capacity (gal)	Energy Factor or Thermal Efficiency	External Tank Insulation R-Value ³
<p>1. Indicate Type (Storage Gas, Heat Pump, Instantaneous, etc.)</p> <p>2. Recirculating systems serving multiple dwelling units shall meet the recirculation requirements of §150(n). The Prescriptive requirements do not allow the installation of a recirculating water heating system for single dwelling units.</p> <p>3. The external water heating tank and pipes shall be insulated to meet the requirements of §150(j).</p>					

Water Heating and Plumbing System Mandatory Measures:
§ 110– § 113: Water heaters are certified by the Energy Commission.
§ 113(c)5: Water heating recirculation loops serving multiple dwelling units and High-Rise residential occupancies meet the air release valve, backflow prevention, pump isolation valve, and recirculation loop connection requirements of § 113(c)5.
§ 150(j)1A: Storage gas water heaters rated with an Energy Factor no greater than the federal minimal standard are externally wrapped with insulation having an installed thermal resistance of R-12 or greater.
§ 150(j)1B: Unfired storage tanks, such as storage tanks or backup tanks for solar water-heating system, or other indirect hot water tanks have R-12 external insulation or R-16 internal insulation where the internal insulation R-value is indicated on the exterior of the tank.
§ 150(j)2: First 5 feet of hot and cold water pipes closest to water heater tank, non-recirculating systems, and entire length of recirculating sections of hot water pipes are insulated per Standards Table 150-B.
§ 150(j)2: Cooling system piping (suction, chilled water, or brine lines), and piping insulated between heating source and indirect hot water tank shall be insulated to Table 150-B and Equation 150-A.
§ 150(j)2: Pipe insulation for steam hydronic heating systems or hot water systems >15 psi, meets the requirements of Standards Table 123-A.
§ 150(j)3A: Insulation is protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind.

Documentation Author's Declaration Statement	
• I certify that this Certificate of Compliance documentation is accurate and complete.	
Name: <input type="checkbox"/> Owner <input type="checkbox"/> Authorized agent <input type="checkbox"/> Contractor	Signature:
Company :	Contractor license #:
Address:	Phone:
City/State/Zip:	Date: