

# Title-24 Energy Requirements

## Wade Energy

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Building Component		Notes	Efficiency
Water Heater		Electric Point-of-Use Water Heater	0.98 UEF
Heating System		Ductless Heat Pump Mini-Split	8.0 HSPF2
Cooling System		Ductless Heat Pump Mini-Split Outdoor Condenser	11.7 EER2 14 SEER2
Ducting System		None	N/A
Ceiling/Roof		Roof Rafter	R-38
Walls		New Walls 2x6	R-21
Floors		Slab on Grade	N/A
Fenestration		New Windows New Glass Doors	U-Factor = 0.30 SHGC = 0.23 U-Factor = 0.32 SHGC = 0.21

# HERS Testing Requirements

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HERS Measure	Site-Verification	Phase of Construction	Notes
Indoor Air Quality		End of construction, Before Final Permit	25 CFM Exhaust Fan Low-speed continuous
Kitchen Hood Verification		End of Construction, before Final Permit	Electric: 160 CFM (Minimum) based on square footage and range type for Updraft Fan, 3 Sone Max at 100 CFM
Variable Capacity Heat Pump		After Equipment Installation and Commissioning	Verify airflow in habitable rooms, heat pump rated heating capacity, HSPF2, wall mounted thermostats in zones greater than 150sf, ductless indoor units located entirely in conditioned space
Verified Refrigerant Charge (Weigh-In)		At Time of Equipment Installation and Commissioning	HERS Rater Observation or Installer Verification of equipment start-up procedures, refrigerant lineset length, and pre-installed refrigerant meet manf. Specifications
Solar PV			Exempt – Less than 1.8kWdc