

CaliforniaFIRST Eligible Products List

In addition to the CaliforniaFIRST Product Eligibility Specifications listed below, all product specifications and installation quality must meet or exceed applicable local, state and/or federal permitting, codes and standards. Participating Contractors and Property Owners are fully and solely responsible for ensuring product compliance with applicable sections of the current California Building Energy Efficiency Standards (Title 24, Part 6, Subchapters 1, 2, 7, 9).

Product Category	Product Type	Eligibility Criteria	Maximum Term (Years)
Solar Photovoltaic	Solar Panels	1. Product must be listed as California Solar Initiative incentive-eligible photovoltaic module in compliance with CA-SB1 guidelines. 2. Installation Contractor must be registered with the California Solar Initiative Program and have the correct CSLB licensure to install solar systems. 3. System must be installed to be grid connected unless the property is not currently connected to the grid. System does not need to be interconnected at time of funding. 4. Installed per manufacturer's specifications.	20
	Solar Inverters	1. Product must be listed as California Solar Initiative eligible inverter in compliance with CA-SB1 guidelines. 2. Installation contractor must be registered with the California Solar Initiative Program and have the correct CSLB licensure to install solar systems. 3. System must be installed to be grid connected unless the property is not currently connected to the grid. System does not need to be interconnected at time of funding. 4. Installed per manufacturer's specifications.	20
Solar Thermal	Solar Water Heating	1. System must have the OG-300 System Certification by either the Solar Rating and Certification Corporation (SRCC) or the International Plumbing and Mechanical Officials (IAPMO). 2. System Solar Fraction (SF) must be ≥ 0.5 . 3. Auxiliary tank must be residential class. 4. Installed per manufacturer's specifications.	15
	Solar Pool Heating	1. Product must have the OG-100 Collector Certification by the Solar Rating and Certification Corporation (SRCC). 2. Installed per manufacturer's specifications.	15

Product Category	Product Type	Eligibility Criteria	Maximum Term (Years)
Alternative Energy	Small Wind Turbines	1. Product must meet the eligibility requirements outlined in the current California Self-Generation Incentive Program (SGIP) Handbook. 2. System must be installed to be grid connected unless the property is not currently connected to the grid. System does not need to be interconnected at time of funding. 3. Installed per manufacturer's specifications.	20
	Advanced Energy Storage Systems	1. Product must meet the eligibility requirements outlined in the current California Self-Generation Incentive Program (SGIP) Handbook. 2. System must be installed to be grid connected unless the property is not currently connected to the grid. System does not need to be interconnected at time of funding. 3. Installed per manufacturer's specifications.	10
	Electric Vehicle Charging Station	1. Product must be a Level 2 charger with SAE J1772 standard charging plug. 2. Product must be Underwriters Laboratory (UL) listed. 3. Installation contractor must have the appropriate CSLB licensure to and install in compliance with local codes, permitting, and inspection requirements. 4. Installed per manufacturer's specifications.	10

Product Category	Product Type	Eligibility Criteria	Maximum Term (Years)
Heating, Ventilation, and Air Conditioning (HVAC)	Air-Source Heat Pump	1. Product must be AHRI Certified and AHRI number must be provided. 2. Product must be ENERGY STAR Qualified: a. Split System: ≥ 8.2 HSPF and ≥ 14.5 SEER and ≥ 12 EER b. Packed System: ≥ 8.0 HSPF and ≥ 14 SEER and ≥ 11 EER 3. Product must replace an existing cooling product; no new cooling. 4. Installed per manufacturer's specifications.	15
	Central Air Conditioner	1. Product must be AHRI Certified and AHRI number must be provided. 2. Product must be ENERGY STAR Qualified: a. Split System: ≥ 14.5 SEER and ≥ 12 EER b. Packed System: ≥ 14 SEER and ≥ 11 EER 3. Product must replace an existing product. 4. Installed per manufacturer's specifications.	15
	Furnace	1. Product must be ENERGY STAR Qualified ($\geq 90\%$ AFUE). 2. Natural Gas and Propane systems are eligible. 3. Product must replace an existing product. 4. Installed per manufacturer's specifications.	15
	Boiler	1. Product must be ENERGY STAR Qualified ($\geq 85\%$ AFUE). 2. Natural Gas and Propane systems are eligible. 3. Product must replace an existing product. 4. Installed per manufacturer's specifications.	20
	Whole House Fan	1. Product must be listed in California Energy Commission Appliance Efficiency Database. 2. Installed per manufacturer's specifications.	15

Product Category	Product Type	Eligibility Criteria	Maximum Term (Years)
Heating, Ventilation, and Air Conditioning (HVAC)	Evaporative Cooler	<ol style="list-style-type: none"> Product must be listed in California Energy Commission Appliance Efficiency Database. Product must have separate ducting system—independent of the air conditioning and heating duct system. Product must be permanently installed through wall or on the roof; window installed product is not eligible. Installed per manufacturer's specifications. 	10
	Ventilating Fans	<ol style="list-style-type: none"> Product must be ENERGY STAR Qualified. Installed per manufacturer's specifications 	10
	Geothermal Heat Pump	<ol style="list-style-type: none"> Product must be ENERGY STAR Qualified: <ol style="list-style-type: none"> Closed Loop Water-to-Air: ≥ 14.1 EER and ≥ 3.3 COP Open Loop Water-to-Air: ≥ 16.2 EER and ≥ 3.6 COP Closed Loop Water-to-Water: ≥ 15.1 EER and ≥ 3.0 COP Open Loop Water-to-Water: ≥ 19.1 EER and ≥ 3.4 COP DGX: ≥ 15.0 EER and ≥ 3.5 COP Product must replace an existing product. Installed per manufacturer's specifications. 	15
	Attic Fan	<ol style="list-style-type: none"> Product must have thermostat control. Fan exterior opening must be properly sealed and insulated during winter months. Solar-powered fans permitted. Installed per manufacturer's specifications. 	15
	Ceiling Fan	<ol style="list-style-type: none"> Product must be ENERGY STAR Qualified. Installed per manufacturer's specifications. 	10

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Heating, Ventilation, and Air Conditioning (HVAC)	Duct Replacement and/or Sealing	1. Duct system leakage: a. Existing system repair: ≤ 15% total system nominal flow b. New system replacement: ≤ 6% total system nominal flow 2. HERS test is required and copy of the CF6R Form required as part of the Completion Certificate.	20
	Duct Insulation	1. Installed insulation value must be ≥ R-6. 2. Product must meet Title 24 requirements.	20
	Programmable Thermostat Control	1. Product must be shipped with a default energy saving program that is capable of maintaining two separate programs (to address the different comfort needs of weekdays and weekends) and four temperature settings or more for each day. 2. Installed per manufacturer's specifications.	15
	Radiant Heating and/or Cooling (Floor, Wall, Ceiling)	1. Product must be powered by a qualified heating or cooling source. 2. Installed per manufacturer's specifications.	15
Windows, Doors and Skylights	Windows	1. Product must be ENERGY STAR and NFRC Certified: a. U-Factor ≤ 0.32 and SHGC ≤ 0.30. 2. Product must replace existing product. 3. NFRC label for each different product to be submitted with Completion Certificate. 4. Installed per manufacturer's specifications. 5. Product must meet Title 24 requirements.	20

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Windows, Doors and Skylights	Doors	1. Product must be ENERGY STAR and NFRC Certified: a. Opaque: U-Factor \leq 0.21 and SHGC = Any b. \leq 1/2-Lite: \leq 0.27 and SHGC \leq 0.30 c. $>$ 1/2-Lite: \leq 0.32 and SHGC \leq 0.30 2. Product must replace existing product. 3. NFRC label for each different product to be submitted with Completion Certificate. 4. Installed per manufacturer's specifications. 5. Product must meet Title 24 requirements.	20
	Skylights and Tubular Daylighting Devices	1. Product must be ENERGY STAR and NFRC Certified: U-Factor \leq 0.55 and SHGC \leq 0.30 2. NFRC label for each different product to be submitted with Completion Certificate. 3. Installed per manufacturer's specifications.	20
	Applied Window Films	1. Product must be NFRC Certified. 2. NFRC label for each different product to be submitted with Completion Certificate. 3. Installed per manufacturer's specifications.	10
Envelope	Cool Roof - Prescriptive	1. Product must be ENERGY STAR Qualified: a. Low-Slope Roofs: \geq 0.5 Aged (3 yrs) Solar Reflectance b. Steep-Slope Roof: \geq 0.15 Aged Solar Reflectance 2. Product must meet Title 24 requirements. 3. Installed per manufacturer's specifications.	20

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Envelope	Cool Roof - Performance	1. If ENERGY STAR Qualified roofing product is not specified, one of the following cool roof performance criteria must be met: a. Air-space of 1" is provided between the top of the roof deck to the bottom of the roofing product b. Attic floor is insulated with an R-value \geq 38. c. Existing HVAC duct work in the attic is insulated to R-8 and sealed to \leq 6% leakage. d. Insulation is installed above roof deck with R-value \geq 4. e. Provide 1 ft ² free ventilation area per 150 ft ² of attic floor area (\geq 30% high/ \geq 30% low) f. Roof construction has thermal mass over the roof membrane with a weight of at least 25 lb/ft ² 2. Any project involving roofing may be subject to additional code compliance requirements.	20
	Cool Wall	1. Product must have solar reflectance \geq 0.5 as tested by recognized third-party laboratory using ASTM C1549-09 test method. 2. Installed per manufacturer's specifications.	20
	Attic Insulation	1. R-value \geq 38. 2. Installed per CEC QII Standards.	20
	Wall Insulation	1. R-value \geq 13 to full framing cavity depth or equivalent assembly U-factor \leq 0.1. 2. Installed per CEC QII Standards.	20
	Floor Insulation (over unconditioned space)	1. R-value \geq 19 to full joist depth. 2. Installed per CEC QII Standards.	20
	Radiant Barrier	1. Product Emissivity \leq 0.1 and Reflectivity \geq 0.9. 2. Installed per manufacturer's specifications.	20
	Water heating	Gas Storage Tank Water Heater	1. Product must be ENERGY STAR Qualified: EF \geq 0.67 2. Installed per manufacturer's specifications.
Electric Heat Pump Tank Water Heater		1. Product must be ENERGY STAR Qualified: EF \geq 2.0 2. Installed per manufacturer's specifications.	10

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	Gas Tankless Water Heater	1. Product must be ENERGY STAR Qualified: EF ≥ 0.82 2. Installed per manufacturer's specifications.	10
Pool Equipment	Pool Pump and Motor	1. Product must be ENERGY STAR Qualified: a. Single Speed Pump: EF ≥ 3.8 for single speed b. Multi/Variable Speed/Flow: EF ≥ 3.8 for most efficient speed. 2. Product must replace existing product. 3. Installed per manufacturer's specifications.	10
	Gas Pool Heater	1. Product must be listed in California Energy Commission Appliance Efficiency Database. 2. Product must have Thermal Efficiency ≥ 83%. 3. Installed per manufacturer's specifications.	10
Lighting Measures	Indoor Lighting Fixtures	1. Product must be ENERGY STAR Qualified. 2. Product must be permanently installed. 3. Installed per manufacturer's specifications.	10
	Outdoor Lighting Fixtures	1. Product must be ENERGY STAR Qualified. 2. Product must be permanently installed. 3. Installed per manufacturer's specifications.	10

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Indoor Water Efficiency	Toilets	1. Product must be Water Sense Qualified: ≤ 1.28 GPF 2. Installed per manufacturer's specifications.	20
	Hot Water Delivery Systems	1. Product meets the definition of one of the following water delivery options: a. Dedicated Recirculation Line b. Whole House Manifold System c. Demand-initiated Recirculating System d. Core Plumbing System 2. Installed per manufacturer's specifications.	15
Outdoor Water Efficiency	Weather-Based Irrigation Control Systems	1. Product must be WaterSense Qualified. 2. Installed per manufacturer's specifications.	10
	Drip Irrigation	1. Product installed in turf, garden, planter, and/or flower bed areas 2. Installed per manufacturer's specifications.	10
	Rainwater Catchment Systems	1. Product must be sized to hold all roof water from a 1" rainfall event or 0.62 gallons per square foot of roof area used to capture. 2. Product must be permanently installed. 3. Installed per manufacturer's specifications.	20
	Greywater Systems	1. Product must meet Chapter 16A of the California Plumbing Code. 2. Product must comply with local code and permitting requirements. 3. Installation contractor must have the appropriate CLSB licensure to install the system. 4. Installed per manufacturer's specifications.	15

Product Category	Product Type	Eligibility Criteria	Maximum Term (Years)
Outdoor Water Efficiency	Artificial Turf	1. Product must be water and air permeable. 2. Product must be non-toxic and lead free. 3. Product must be recyclable. 4. Product installation must carry \geq 10 year warranty. 5. Installed per manufacturer's specifications. 6. Product infill material must be one of the following: a. Acrylic Covered Sand b. Crumb Rubber c. Zeolite	10