

Eligible Products and Useful Life Schedule

Solar Photovoltaic

Product Type	Eligibility Specifications	Maximum Term (Years)
Solar Panel	<ol style="list-style-type: none"> 1. Product must be listed as California Solar Initiative incentive-eligible photovoltaic module in compliance with CA-SB1 guidelines. 2. Installation Eligible Contractor must be registered with the California Solar Initiative Program and have the correct CSLB licensure to install solar systems. 3. System must be grid connected unless the property is not currently connected to the grid. 4. Installed per manufacturer specifications. <p>To qualify for a 25-year term, a system must meet on the following criteria:</p> <p>A.) System installed by or including equipment on the CSI Performance Monitoring list http://www.gosolarcalifornia.ca.gov/equipment/perf_monitor.php OR</p> <p>B.) System provides data summarized by hour, day, month, and year; a meter display accessible to homeowner; and notification system alerts indicating a non-functioning or poorly functioning system.</p> <p>All non-monitored systems are eligible for only a maximum 20-year term.</p>	25
Solar Panel	<ol style="list-style-type: none"> 1. Product must be listed as California Solar Initiative incentive-eligible photovoltaic (PV) module in compliance with CA-SB1 guidelines. 2. Installation Eligible Contractor must be registered with the California Solar Initiative Program and have the correct CSLB licensure to install solar systems. 3. System must be grid connected unless the property is not currently connected to the grid. 4. Installed per manufacturer specifications. 	20
Solar Inverter	<ol style="list-style-type: none"> 1. Product must be listed as California Solar Initiative incentive-eligible photovoltaic module in compliance with CA-SB1 guidelines. 2. Installation Eligible Contractor must be registered with the California Solar Initiative Program and have the correct CSLB licensure to install solar systems. 3. System must be grid connected unless the property is not currently connected to the grid. 	20

	4. Installed per manufacturer specifications.	
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Solar Thermal

Product Type	Eligibility Specifications	Maximum Term (Years)
Solar Water Heating	<ol style="list-style-type: none"> 1. System must have the OG-300 System Certification by the Solar Rating and Certification Corporation (SRCC). 2. System Solar Fraction (SF) must be ≥ 0.5. 3. Installed per manufacturer specifications. 	15
Solar Pool Heating	<ol style="list-style-type: none"> 1. Product must have the OG-100 Collector Certification by the Solar Rating and Certification Corporation (SRCC). 2. Installed per manufacturer specs. 	15

Alternative Energy

Product Type	Eligibility Specifications	Maximum Term (Years)
Small Wind Turbine	<ol style="list-style-type: none"> 1. Product must be certified by the Small Wind Certification Council as meeting the requirements of the AWEA Small Wind Turbine Performance and Safety Standard (9.1-2009). 2. Product must be grid connected unless the property is not currently connected to the grid. 3. Installed per manufacturer specs. 	20
Advanced Energy Storage System	<ol style="list-style-type: none"> 1. System must meet the eligibility requirements outlined in the current California Self-Generation Incentive Program (SGIP) Handbook. 2. System must be tied to a program eligible Solar PV system. 3. System must be grid connected unless the property is not currently connected to the grid. 4. Installed per manufacturer specs. 	10

Electric Vehicle Charging Station	<ol style="list-style-type: none"> 1. Product must be certified as meeting the UL Subject 2594 Standard Testing for Charging Stations. 2. Product must be a Level 2 charger with SAE J1772 standard charging plug. 3. Installed per manufacturer specs. 	10
Stationary Fuel Cell Power System	<ol style="list-style-type: none"> 1. System must be certified as meeting the ANSI/CSA America FC1 standard. 2. Installed in accordance with local code and/or the Standard for the Installation of Stationary Fuel Cell Power Plants, NFPA 853, the National Fuel Gas Code, ANSI Z223.1/NFPA 54, National Electrical Code, NFPA 70, as applicable. 3. Installed per manufacturer specs. 	15

Cogeneration

Product Type	Eligibility Specifications	Maximum Term (Years)
Micro turbine	<ol style="list-style-type: none"> 1. P.U. Code 216.6 2. Installed per manufacturer specs. 	20
Internal Combustion Engine	<ol style="list-style-type: none"> 1. P.U. Code 216.6 2. Installed per manufacturer specs. 	20
Fuel Cell	<ol style="list-style-type: none"> 1. P.U. Code 216.6 2. Installed per manufacturer specs. 	20

6.4.2 Energy Efficiency Products

High-Efficiency Heating Ventilation and Air Conditioning (HVAC)

Product Type	Eligibility Specifications	Maximum Terms (Years)
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Air-Source Heat Pump	<ol style="list-style-type: none"> 1. Product must be AHRI Certified. 2. Product must be Energy STAR® Certified: <ol style="list-style-type: none"> a. Split: SEER ≥ 14.5 and EER ≥ 12 and HSPF ≥ 8.2. b. Package: SEER ≥ 14 and EER ≥ 11 and HSPF ≥ 8.0. 3. Must replace an existing product. 4. Installed per manufacturer specs. 	15
Central Air Conditioner	<ol style="list-style-type: none"> 1. Product must be AHRI Certified and AHRI Number must be provided. 2. Product must be Energy STAR® Certified: <ol style="list-style-type: none"> a. Split: SEER ≥ 14.5 and EER ≥ 12. b. Package: SEER ≥ 14 and ≥ EER 11. 3. Must replace an existing product. 4. Installed per manufacturer specs. 	15
Furnace	<ol style="list-style-type: none"> 1. Product must be AHRI Certified and AHRI number must be provided. 2. Product must be Energy STAR® Certified: AFUE ≥ 90%. 3. Must replace an existing product. 4. Installed per manufacturer specs. 	20
Evaporative Cooler	<ol style="list-style-type: none"> 1. Product must be listed in California Energy Commission Appliance Efficiency Database. 2. Must be permanently installed through wall or on the roof; window installed product is not eligible. 3. Must have separate ducting system – independent of the air conditioning and heating duct system. 4. Installed per manufacturer specs. 	10
Boiler	<ol style="list-style-type: none"> 1. Product must be AHRI Certified. 2. Product must be Energy STAR® Certified: AFUE ≥ 85%. 3. Must replace an existing product. 4. Installed per manufacturer specs. 	20

Geothermal Heat Pump	<ol style="list-style-type: none"> 1. Product must be Energy STAR® Certified: <ol style="list-style-type: none"> a. Closed Loop Water-to-Air: ≥ 14.1 EER and ≥ 3.3 COP b. Open Loop Water-to-Air: ≥ 16.2 EER and ≥ 3.6 COP c. Closed Loop Water-to-Water: ≥ 15.1 EER and ≥ 3.0 COP d. Open Loop Water-to-Water: ≥ 19.1 EER and ≥ 3.4 COP e. DGX: ≥ 15.0 EER and ≥ 3.5 COP 2. Must replace an existing product. 3. Installed per manufacturer specs. 	15
Hydronic Radiant Heating	<ol style="list-style-type: none"> 1. System must be powered by a high- efficiency heating source. 2. Installed per manufacturer specs. 	15
Mini-Split Air Conditioner	<ol style="list-style-type: none"> 1. Product must be AHRI certified. 2. Efficiency: ≥ 15 SEER and HSPF ≥ 8.2. 3. Must replace an existing product. 4. Installed per manufacturer specs. 	15
Mini-Split Heat Pump	<ol style="list-style-type: none"> 1. Product must be AHRI certified. 2. Efficiency: ≥ 15 SEER and HSPF ≥ 8.2. 3. Must replace an existing product. 4. Installed per manufacturer specs. 	15
Biomass / Wood Stove	<ol style="list-style-type: none"> 1. Product must be certified and listed on the EPA Certified Wood Stoves list. 2. Installed per manufacturer specs. 	15
Duct Replacement	<ol style="list-style-type: none"> 1. Duct system leakage: <ol style="list-style-type: none"> a. Partial Replacement: $\leq 15\%$ total system nominal flow b. Full Replacement: $\leq 6\%$ total system nominal flow 2. Duct Insulation R-Value $\geq R-6$. 3. Installed per Title 24, Part 6. 	20
Heat/Energy Recovery Ventilator	<ol style="list-style-type: none"> 1. Product must be certified by the Home Ventilation Institute (HVI). 2. Installed per manufacturer specs. 	10
Exhaust Ventilation Fixture	<ol style="list-style-type: none"> 1. Product must be Energy STAR® Certified. 2. Installed per manufacturer specs. 	10

Whole House Fan	<ol style="list-style-type: none"> 1. Product must be listed in California Energy Commission Appliance Efficiency Database. 2. Installed per manufacturer specs. 	20
Attic Ventilation Fixture	<ol style="list-style-type: none"> 1. Product must have thermostat control. 2. Installed per manufacturer specs. 	15
Ceiling Fan	<ol style="list-style-type: none"> 1. Product must be Energy STAR® Certified. 2. Installed per manufacturer specs. 	10

Windows Doors and Skylights

Product Type	Eligibility Specifications	Maximum Terms (Years)
Window	<ol style="list-style-type: none"> 1. Product must be Energy STAR® and NFRC Certified: 2. U-Factor ≤ 0.32 and SHGC ≤ 0.30. 3. Must replace an existing product. 4. Product NFRC label to be submitted with Completion Certificate 5. Installed per manufacturer specs. 6. Product must meet Title 24 requirements. 	20
Door	<ol style="list-style-type: none"> 1. Product must be Energy STAR® and NFRC Certified: <ol style="list-style-type: none"> a. Opaque: U-Factor ≤ 0.21 and SHGC = Any b. $\leq 1/2$-Lite: U ≤ 0.27 and SHGC ≤ 0.30 c. $> 1/2$-Lite: U ≤ 0.32 and SHGC ≤ 0.30 2. Installed per manufacturer specs. 	20
Skylights and Tubular Day lighting Device	<ol style="list-style-type: none"> 1. Product must be NFRC Certified: U-Factor ≤ 0.55 and SHGC ≤ 0.30 2. Installed per manufacturer specs. 	20
Applied Window Film	<ol style="list-style-type: none"> 1. Product must be NFRC Certified. 2. NFRC label for each different product to be submitted with Completion Certificate. 3. Installed per manufacturer specs. 	10

Exterior Window Shading Device	<ol style="list-style-type: none"> 1. Product must be permanently secured to the exterior of the property with attachments or fasteners that are not intended for removal. 2. Each product must be installed to provide shading to at least one window or door. 3. Product must be one of the following styles: <ol style="list-style-type: none"> a. Patio Covers b. Fixed Awnings c. Operable Awnings d. Operable Shutters e. Solar Screens 4. Product is <u>only</u> eligible to be installed on properties located within California Building Climate Zones 2, and 6-16. 5. Other exterior structural products including, but not limited to, sunroom enclosures, exterior decks, balconies, roof overhangs, detached/free-standing arbors, detached/free-standing pergolas, and/or carports are <u>NOT</u> eligible. 6. Interior window shading products including, but not limited to, blinds, shutters, shades, or curtains are <u>NOT</u> eligible. 7. Product is <u>NOT</u> eligible to be installed on properties located with California Building Climate Zones 1, and 3-5. 8. Installed per manufacturer specs. 	10
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Building Envelope

Product Type	Eligibility Specifications	Maximum (Term)
Cool Wall Coating	<ol style="list-style-type: none"> 1. Product must be included on PACE Funding Cool Wall Eligible Product List. 2. Product must have solar reflectance ≥ 0.5 as tested by recognized third-party laboratory to ASTM C1549-09 standard. 3. Product is <u>only</u> eligible to be installed on properties located within California Building Climate Zones 4-10 and 12-15. 4. Installed per manufacturer specs. 	20

Cool Roof - Prescriptive	<ol style="list-style-type: none"> 1. Product must be Energy STAR® Qualified: <ol style="list-style-type: none"> a. Low-Slope Roofs: ≥ 0.5 Aged (3 yrs.) Solar Reflectance b. Steep-Slope Roof: ≥ 0.15 Aged Solar Reflectance 2. Product must meet Title 24, Part 6. 3. Installed per manufacturer specs. 	20
Cool Roof - Performance	<ol style="list-style-type: none"> 1. If Energy STAR® Qualified roofing product is not specified, one of the following Cool Roof performance measures must also be implemented: <ol style="list-style-type: none"> a. Install ≥ 1" Air-space between the top of the roof deck to the bottom of the roofing product. b. Insulate attic floor to R-value ≥ 38. c. Seal & Insulate attic HVAC duct work to R-8 and $\leq 6\%$ leakage. d. Install an eligible radiant barrier. e. Insulate roof deck to R-value ≥ 4. f. Install roof construction with thermal mass over a membrane with a weight of at least 25 lb/ft². 2. Project must comply with CA Title 24 Part 6. Property Owner is fully and solely responsible to meet any such additional requirements. 	20
Attic Insulation	<ol style="list-style-type: none"> 1. R-value ≥ 38. 2. Installed per CEC QII Standards. 	20
Wall Insulation	<ol style="list-style-type: none"> 1. R-value ≥ 13 to full framing cavity depth. 2. Installed per CEC QII Standards. 	20
Under-Floor Insulation	<ol style="list-style-type: none"> 1. R-value ≥ 19 to full joist depth. 2. Installed per CEC QII Standards. 	20
Radiant Barrier	<ol style="list-style-type: none"> 1. Emissivity ≤ 0.1. 2. Reflectivity ≥ 0.9. 3. Installed per manufacturer specs. 	20
Air Sealing	<ol style="list-style-type: none"> 1. Performed to BPI, Energy STAR®, and ASHRAE 62.2 guidelines. 	10

High Efficiency Water Heating

Product Type	Eligibility Specifications	Maximum Term (years)
Gas Storage Water Heater	<ol style="list-style-type: none"> 1. Product must be Energy STAR® Certified. 2. EF ≥ 0.67. 3. Installed per manufacturer specs. 	10
Electric Heat Pump Storage Water Heater	<ol style="list-style-type: none"> 1. Product must be Energy STAR® Certified. 2. EF ≥ 2.0. 3. Installed per manufacturer specs. 	10
Gas Tankless Water Heater	<ol style="list-style-type: none"> 1. Product must be Energy STAR® Certified. 2. EF ≥ 0.82. 3. Installed per manufacturer specs. 	10

High Efficiency Pool Equipment

Product Type	Eligibility Specifications	Maximum Term (years)
Pool Pump and Motor	<ol style="list-style-type: none"> 1. Product must be Energy STAR® Certified: <ol style="list-style-type: none"> a. Single Speed Pump: EF ≥ 3.8 for single speed b. Multi/Variable Speed/Flow: EF ≥ 3.8 for most efficient speed. 2. Installed per manufacturer specs. 	10
Electric Heat Pump Pool Heater	<ol style="list-style-type: none"> 1. Product must be listed in California Energy Commission Appliance Efficiency Database. 2. COP ≥ 4.5. 3. Installed per manufacturer specs. 	10
Gas Pool Heater	<ol style="list-style-type: none"> 1. Product must be listed in California Energy Commission Appliance Efficiency Database. 2. Thermal Efficiency ≥ 83%. 3. Installed per manufacturer specs. 	10
Automatic Pool Cover	<ol style="list-style-type: none"> 1. Product must be an automatic pool cover UL certified as meeting ASTM F1346 Standard Performance Specification. 2. Product must be permanently installed on an existing swimming pool. 	10

	<ol style="list-style-type: none"> 3. Installed per manufacturer specs. 4. Manual swimming pool covers are not eligible. 	
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High Efficiency Lighting

Product Type	Eligibility Specifications	Maximum Term (Years)
Indoor Lighting Fixture	<ol style="list-style-type: none"> 1. Product must be Energy STAR® Certified and meet Title 24, Part 6 requirements. 2. Product must be permanently installed. 3. Installed per manufacturer specs. 	20
Outdoor Lighting Fixture	<ol style="list-style-type: none"> 1. Product must be Energy STAR® Certified and meet Title 24, Part 6 requirements. 2. Product must be permanently installed. 3. Installed per manufacturer specs. 	20
Lighting Control	<ol style="list-style-type: none"> 1. Product must be listed in the California Energy Commission Appliance Efficiency Database. 2. Eligible control types include: <ol style="list-style-type: none"> a. Automatic Time-Switch b. Daylight/Photo- Sensor c. Dimmer d. Occupant/Motion/Vacancy Sensor 3. Install per manufacturer specs. 	20

Indoor Water Efficiency

Product Type	Eligibility Specifications	Maximum Term (Years)
High-Efficiency Toilet Fixture	<ol style="list-style-type: none"> 1. Product must be listed in the CEC Appliance Efficiency Database. 2. Toilet and urinals fixtures are eligible. 3. Flow rate \leq 1.28 GPF. 4. Installed per manufacturer specs. 	20

High-Efficiency Faucet Fitting	<ol style="list-style-type: none"> 1. Product must be listed in the CEC Appliance Efficiency Database. 2. Flow rate \leq 1.5 GPM. 3. Must be permanently installed. 4. Installed per manufacturer specs. 	15
High-Efficiency Showerhead	<ol style="list-style-type: none"> 1. 1. Product must be listed in the CEC Appliance Efficiency Database. 2. Flow \leq 2.0 GPM. 3. Installed per manufacturer specs. 	15
Hot Water Delivery System	<ol style="list-style-type: none"> 1. System meets the definition of one of the following water delivery options: <ol style="list-style-type: none"> a. Dedicated Recirculation Line b. Whole House Manifold System c. Demand-initiated Recirculating System d. Core Plumbing System 2. Installed per manufacturer specs. 	20

Outdoor Water Efficiency

Product Type	Eligibility Specifications	Maximum Term (Years)
High-Efficiency Sprinkler Nozzle	<ol style="list-style-type: none"> 1. Product must be on SoCal Water Smart Qualified Sprinkler Nozzle product list. 2. Installed per manufacturer specs. 	10
Weather-Based Irrigation Controller	<ol style="list-style-type: none"> 1. Product must be WaterSense Qualified. 2. Installed per manufacturer specs. 	10
Drip Irrigation	<ol style="list-style-type: none"> 1. Product installed be installed in turf, garden, planter, or flower bed area. 2. Installed per manufacturer specs. 	10
Rainwater Catchment System	<ol style="list-style-type: none"> 1. Sized to hold \geq 50 gallons at one time. 2. Must be permanently installed. 3. Installed per manufacturer specs. 	20

<p>Gray Water System</p>	<ol style="list-style-type: none"> 1. System must meet California Plumbing Code, Chapter 16A. 2. Product must comply with local code and permitting requirements. 3. Eligible system types include: <ol style="list-style-type: none"> a. Single-Fixture b. Multi-Fixture Simple (\leq 250 GPD) c. Multi-Fixture Complex ($>$ 250 GPD) 4. Installed per manufacturer specs. 	<p>20</p>
<p>Artificial Turf</p>	<ol style="list-style-type: none"> 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 specs. 6. Product infill material must be one of the following: <ol style="list-style-type: none"> a. Acrylic Covered Sand b. Crumb Rubber c. Zeolite 	<p>10</p>