

# GPC'S ELIGIBLE COMMERCIAL PRODUCT LIST

Property improvements covered  
by C-PACE financing



## Renewable & Alternative Energy Products

### Solar Photovoltaic

PRODUCT TYPE	ELIGIBILITY SPECIFICATIONS
Solar Panel	Product must be listed as California Energy Commission as SB1-compliant product.
Solar Photovoltaic System	Product must be on California Solar Initiative Eligible Products list.
Solar Inverter	Product must be listed as California Energy Commission as SB1-compliant product

## Solar Thermal

PRODUCT TYPE	ELIGIBILITY SPECIFICATIONS
Solar Water Heating	System must have the OG-300 System Certification by the Solar Rating and Certification Corporation (SRCC) Product must comply with Title 24.
Solar Water Heating	Product must have the OG-100 Collector Certification by the Solar Rating and Certification Corporation (SRCC).

## Alternative Energy

PRODUCT TYPE	ELIGIBILITY SPECIFICATIONS
Small Wind Turbine	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)
Advanced Energy Storage System	<ol style="list-style-type: none"> <li>1. System must be pre-approved and listed in the E3 Eligible Product Database</li> <li>2. System must have obtained certification from a nationally recognized testing laboratory for one of the acceptable standards: <ol style="list-style-type: none"> <li>a. UL 1973</li> <li>b. UL Subject 9540</li> <li>c. IEC 62842-2</li> <li>d. IEC 62109</li> <li>e. UL 1741</li> <li>f. Other equivalent standard</li> </ol> </li> <li>3. System must maintain roundtrip efficiency:: 63.5%</li> <li>4. System must carry a minimum 10-year manufacturer warranty</li> </ol>
Electric Vehicle Charging Station	<ol style="list-style-type: none"> <li>1. Product must be certified as meeting the Underwriters Laboratory Subject 2594 Standard Testing for Charging Stations</li> <li>2. Product must be a Level 2 charger with SAE J 1772 standard charging plug.</li> </ol>
Stationary Fuel Cell Power System	System must be certified as meeting the ANSI/CSA America FC1 standard. Installation must comply with the Standard for the Installation of Stationary Fuel Cell Power Plants (NFPA 853).

## Alternative Energy

PRODUCT TYPE	ELIGIBILITY SPECIFICATIONS
Co-Generation System	Commercial Only - Custom Criteria.
Hydrogen Fuel Power System	Commercial Only - Custom Criteria.
Natural Gas System	Commercial Only - Custom Criteria.

## Cogeneration

PRODUCT TYPE	ELIGIBILITY SPECIFICATIONS
Micro turbine	Product must meet the eligibility requirements outlined in the current California Self-Generation Incentive Program (SGIP) Handbook.
Internal Combustion Engine	Commercial Only - Custom Criteria.
Fuel Cell	System must be certified as meeting the ANSI/CSA America FC1 standard

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## Energy Efficiency Products

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### High-Efficiency Heating Ventilation and Air Conditioning (HV AC)

PRODUCT TYPE	ELIGIBILITY SPECIFICATIONS
Air-Source Heat Pump	Product must comply with Title 24.

## High-Efficiency Heating Ventilation and Air Conditioning (HV AC)

PRODUCT TYPE	ELIGIBILITY SPECIFICATIONS
Central Air Conditioner	Product must comply with Title 24.
Furnace	Product must comply with Title 24.
Evaporative Cooler	Product must comply with Title 24. Product must be permanently affixed to the home.
Boiler	1. Product must be AHRI Certified 2. Efficiency: a. AFUE ≥ 85%. Product must comply with Title 24
Geothermal Heat Pump	Product must comply with Title 24.
Hydronic Radiant Heating	System must be powered by one of the following high-efficiency heating sources: a. Boiler (AFUE ≥ 85%) b. Gas Storage Water Heater (EF ≥ 0.67) c. Gas Tankless Water Heater (EF ≥ 0.90) d. Electric Heat Pump Water Heater (EF ≥ 2)
Mini-Split Air Conditioner	1. Product must be AHRI certified 2. Efficiency: a. SEER ≥ 15
Mini-Split Heat Pump	1. Product must be AHRI certified 2. Efficiency: a. SEER ≥ 15 b. HSPF ≥ 8.5
Biomass / Wood Stove	Product must be certified and listed on the EPA Certified Wood Stoves list.
Duct Replacement	Product must comply with Title 24.

## High-Efficiency Heating Ventilation and Air Conditioning (HV AC)

PRODUCT TYPE	ELIGIBILITY SPECIFICATIONS
Heat/Energy Recovery Ventilator	Product must be certified by the Home Ventilation Institute (HVI).
Exhaust Ventilation Fixture	Product must be ENERGY STAR Certified.
Whole House Fan	Product must be listed in California Energy Commission Appliance Efficiency Database.
Attic Ventilation Fixture	Product must be equipped with a thermostat control.
Ceiling Fan	Product must be ENERGY STAR Certified.
Energy Efficient Refrigeration System	Product must comply with Title 24. Product must be permanently affixed to the home.
Pellet Stove	Product must be on the List of EPA Certified Wood Stoves.

## Windows Doors and Skylights

PRODUCT TYPE	ELIGIBILITY SPECIFICATIONS
Windows	1. Product must be NFRC Certified 2. Efficiency: a. U-Factor::0.30 b. SHGC :s; 0.25

## Windows Doors and Skylights

PRODUCT TYPE	ELIGIBILITY SPECIFICATIONS
<b>Doors</b>	<ol style="list-style-type: none"> <li>1. Product must be NFRC Certified</li> <li>2. Opaque (No Glass) Efficiency: <ol style="list-style-type: none"> <li>a. U-Factor::0.17</li> <li>b. SHGC = Any</li> </ol> </li> <li>3. 1/2-Lite (Some Glass) Efficiency: <ol style="list-style-type: none"> <li>a. U-Factor::0.25</li> <li>b. SHGC :s; 0.25</li> </ol> </li> <li>4. &gt;1/2-Lite (Mostly Glass) Efficiency: <ol style="list-style-type: none"> <li>a. U-Factor::0.30</li> <li>b. SHGC :s; 0.25</li> </ol> </li> </ol>
<b>Skylights &amp; Tubular Day Lighting Device</b>	<ol style="list-style-type: none"> <li>1. Product must be NFRC Certified</li> <li>2. Efficiency: <ol style="list-style-type: none"> <li>a. U-Factor::0.53</li> <li>b. SHGC :s; 0.28</li> </ol> </li> </ol>
<b>Applied Window Film</b>	Product must be NFRC Certified.
<b>Exterior Window Shading Device</b>	<ol style="list-style-type: none"> <li>1. Product must shade to at least one window or door</li> <li>2. Product must be one of the following styles: <ol style="list-style-type: none"> <li>a. Patio Cover</li> <li>b. Fixed Awning</li> <li>c. Operable Awning</li> <li>d. Operable Shutter</li> <li>e. Solar Screen</li> </ol> </li> <li>3. Product is NOT eligible to be installed on properties located within LA County or California Building Climate Zones 1, 3-5</li> <li>4. 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 NOT eligible.</li> <li>5. Interior window shading products are NOT eligible.</li> </ol>

## Building Envelope

PRODUCT TYPE	ELIGIBILITY SPECIFICATIONS
<b>Cool Wall Coating</b>	<ol style="list-style-type: none"> <li>1. Product must be a preapproved E3 Cool Wall Coating product</li> <li>2. Product must have solar reflectance 0.5 as tested to ASTM C1549-09 standard</li> <li>3. Product primary application surface must be exterior wall surfaces of conditioned buildings</li> </ol>

## Building Envelope

PRODUCT TYPE	ELIGIBILITY SPECIFICATIONS
Cool Wall Coating	<p>4. Trim, soffit, and/or fascia may be included in work scope as secondary items, as applicable</p> <p>5. Product is only eligible to be installed on properties located within CA Building Climate Zones 4-10 and 12-15</p>
Cool Roof-Prescriptive	<p>1. Low-Slope Roof ( <math>\leq 2:12</math>) Efficiency Rating: Aged (3 yrs.) Solar Reflectance <math>\geq 0.5</math></p> <p>2. Steep-Slope Roof (<math>&gt;2:12</math>) Efficiency Rating: Aged Solar Reflectance <math>\geq 0.15</math></p>
Cool Roof-Performance	<p>If a Cool Roof-Prescriptive roofing product is not specified, one of the following performance measures must also be implemented in the scope of work:</p> <p>a. Provide an air-space of at least 1" between the top of the roof deck and the bottom of the roofing product</p> <p>b. Insulate attic floor to R-value <math>\geq 38</math></p> <p>c. Seal &amp; Insulate attic HVAC ductwork to R-8 and <math>\leq 6\%</math> leakage</p> <p>d. Install an eligible radiant barrier (Reflectivity <math>\geq 0.9</math> and Emittance <math>\leq 0.1</math>) with reflective side facing air space</p> <p>e. Insulate above roof deck to R-value <math>\geq 4</math></p> <p>f. Install roof construction with thermal mass with a weight of at least 25 lb/ft<sup>2</sup></p>
Attic Insulation	<p>R-value <math>\geq 38</math></p> <p>2. Product should be installed following ENERGY STAR guidelines</p>
Wall Insulation	<p>R-value <math>\geq 13</math></p> <p>2. Product should be installed following ENERGY STAR guidelines</p>
Under-Floor Insulation	<p>1. R-value <math>\geq 19</math></p> <p>2. Product should be installed following ENERGY STAR guidelines.</p>
Radiant Barrier	<p>1. Radiant Barrier type products must be installed with reflective side facing an open-air space and meet the following performance ratings:</p> <p>a. Reflectivity <math>\geq 0.9</math></p> <p>b. Emittance <math>\leq 0.1</math></p> <p>2. Radiation Control Coating type products must be installed to face an open-air space and meeting the following performance ratings:</p> <p>a. Emittance <math>\leq 0.25</math></p>

## Building Envelope

PRODUCT TYPE	ELIGIBILITY SPECIFICATIONS
<b>Air Sealing</b>	1. Air sealing should be performed to BPI, ENERGY STAR, and/or ASHRAE 62.2 guidelines for air sealing, ventilation, and weatherization. Product must comply with Title 24.
<b>Reflective Paint</b>	1. Product must be approved Cool Wall Coating product 2. Product must have solar reflectance $\geq 0.5$ as tested to ASTM C1549-09 standard 3. Product primary application surface must be exterior wall surfaces of conditioned buildings 4. Trim, soffit, and/or fascia may be included in work scope as secondary items, as applicable 5. Product is only eligible to be installed on properties located within CA Building Climate Zones 4-10 and 12-15
<b>Insulation Carpet and Padding (with stipulation)</b>	1. R-value $\geq 19$ 2. Product should be installed following ENERGY STAR guidelines

## High Efficiency Water Heating

PRODUCT TYPE	ELIGIBILITY SPECIFICATIONS
<b>Gas Storage Water Heater</b>	1. Product must be ENERGY STAR Certified 2. Efficiency: a. EF 0.67
<b>Electric Heat Pump Storage Water Heater</b>	1. Product must be ENERGY STAR Certified 2. Efficiency: a. EF 2.0. Product must comply with Title 24.
<b>Gas Tankless Water Heater</b>	1. Product must be ENERGY STAR Certified 2. Efficiency: a. EF 0.90
<b>Whole House Water Manifold System</b>	Installation cannot include any work on the wastewater system or the city main



## High Efficiency Water Heating

PRODUCT TYPE	ELIGIBILITY SPECIFICATIONS
Electric Tankless Water Heater	Product must comply with Title 24.
Recirculation Hot Water System	System must meet the EPA Water Sense Guide for Efficient Hot Water Delivery Systems definition for one of the following water delivery options: <ul style="list-style-type: none"><li>a. Dedicated Recirculation Line</li><li>b. Whole House Manifold System</li><li>c. Demand-initiated Recirculating System</li><li>d. Core Plumbing System. Installation cannot include any work on the wastewater system or the city main</li></ul>

## High Efficiency Pool Equipment

PRODUCT TYPE	ELIGIBILITY SPECIFICATIONS
Pool Pump and Motor	1. Product must be ENERGYSTAR Certified 2. Single Speed Pump Efficiency: a. EF 3.8 3. Multi-Speed Pump Efficiency: a. EF 3.8 for most efficient speed
Electric Heat Pump Pool Heater	1. Product must be listed in California Energy Commission Appliance Efficiency Database 2. COP 4.5
Gas Pool Heater	1. Product must be listed in California Energy Commission Appliance Efficiency Database 2. Thermal Efficiency 83%. Product must comply with Title 24
Automatic Pool Cover	Product must be UL certified as meeting ASTM F1346 Standard Performance Specification

## High Efficiency Lighting

PRODUCT TYPE	ELIGIBILITY SPECIFICATIONS
Indoor Lighting Fixture	Product must comply with Title 24 or use LED technology.
Outdoor Lighting Fixture	Product must comply with Title 24 or use LED technology.
Lighting Control	1. Product must be listed in the California Energy Commission Appliance Efficiency Database. 2. Eligible control types include: a. Automatic Time-Switch b. Daylight/Photo-Sensor c. Dimmer d. Occupant/Motion/Vacancy Sensor: Sensor shall employ a dual element PIR sensor having highest sensitivity to infrared
Occupancy Sensor Lighting	Sensor shall employ a dual element PIR sensor having highest sensitivity to infrared.
Lighting Control Systems	1. Product must be listed in the California Energy Commission Appliance Efficiency Database. 2. Eligible control types include: a. Automatic Time-Switch b. Daylight/Photo-Sensor c. Dimmer d. Occupant/Motion/Vacancy Sensor
Refrigeration Case Lighting w/ Occupancy Sensors	Commercial Only - Custom Criteria
SMART Parking Lot Fixtures	Commercial Only - Custom Criteria
SMART Parking Garage Fixtures	Commercial Only - Custom Criteria
SMART Pathway Lighting	Commercial Only - Custom Criteria

## High Efficiency Lighting

PRODUCT TYPE	ELIGIBILITY SPECIFICATIONS
<b>SMART Wallpack Fixtures</b>	Commercial Only - Custom Criteria
<b>Task Ambient Lighting</b>	Commercial Only - Custom Criteria
<b>Wireless Lighting Controls</b>	Commercial Only - Custom Criteria

## Indoor Water Efficiency

PRODUCT TYPE	ELIGIBILITY SPECIFICATIONS
<b>High- Efficiency Toilet Fixture</b>	Product must comply with Title 24.
<b>High-Efficiency Faucet Fitting</b>	1. Product must be Water Sense Qualified 2. Flowrates1 .5GPM 3. Must be permanently installed.
<b>High-Efficiency Showerhead</b>	1. Product must be Water Sense Qualified 2. Flowrates2.0GPM
<b>Hot Water Delivery System</b>	System must meet the EPA Water Sense Guide for Efficient Hot Water Delivery Systems definition for 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
<b>Waterless Urinals</b>	Commercial Only - Custom Criteria.

## Outdoor Water Efficiency

PRODUCT TYPE	ELIGIBILITY SPECIFICATIONS
High- Efficiency Sprinkler Nozzle:	Product must be on SoCal Water Smart Qualified Sprinkler Nozzle product list
Weather-Based Irrigation Controller	Product must be Water Sense Certified.
Drip Irrigation	Product installed in turf, garden, planter, or flower bed area.
Rainwater Catchment System	1. Sized to hold 50 gallons at one time 2. Must be permanently installed.
Artificial Turf	1. Product must be water and air permeable 2. Product must be non-toxic and lead free 3. Product installation must carry 10 year warranty
Gray Water System	1. System must meet California Plumbing Code, Chapter 16A 2. Eligible system types include: a. Single Fixture b. Multi-Fixture Simple (≤250GPD) c. Multi-Fixture Complex (>250GPD)
Cooling Condensate Reuse	Commercial Only - Custom Criteria
Cooling Tower	Commercial Only - Custom Criteria.
Cooling Tower Controllers	Commercial Only - Custom Criteria
Core Plumbing System (replace / leak repair):	Installation cannot include any work on the wastewater system or the city main
Deionization Equipment	Commercial Only - Custom Criteria.

## Outdoor Water Efficiency

PRODUCT TYPE	ELIGIBILITY SPECIFICATIONS
<b>Industrial Process Water Reuse</b>	Commercial Only - Custom Criteria
<b>Pre-rinse spray valves</b>	Commercial Only - Custom Criteria
<b>Drought Tolerant Landscaping</b>	<p>1. Product installation area must replace existing live turf grass or other irrigated area</p> <p>2. Products must be installed to limit excess site runoff</p> <p>3. Requested financing amount may only include:</p> <ul style="list-style-type: none"> <li>a. Removal of existing landscape material</li> <li>b. Site preparation for installation</li> <li>c. Installation of eligible hardscape/ groundcover material</li> <li>d. Installation of eligible irrigation options</li> </ul> <p>4. Requested finance amount may NOT include:</p> <ul style="list-style-type: none"> <li>a. Installation of live plants or biodegradable plant material</li> <li>b. Removal/replacement of pre-existing hardscape areas (i.e. driveways, pools, etc.)</li> <li>c. Installation of water features (i.e. ponds, fountains, etc.)</li> <li>d. Installation of any other products not listed in specification #3</li> </ul>
<b>Roof Gutters (with stipulation)</b>	As part of rainwater harvesting system.
<b>Pavers (with stipulation)</b>	with a minimum of 1 /4" joint spacing.
<b>Sewer Lateral Repair</b>	Lower costs for wastewater Agency.
<b>Sewer Lateral</b>	Lower costs for wastewater Agency.
<b>Trenchless Lower Sewer Lateral Lines</b>	Lower costs for wastewater Agency.
<b>Septic to Sewer Conversion (with stipulation):</b>	Reduce water loss and likelihood of failure.

## Control System

PRODUCT TYPE	ELIGIBILITY SPECIFICATIONS
Elevator Motors and Controls	Commercial Only - Custom Criteria.
HVAC Duct Zoning Control System	Commercial Only - Custom Criteria.
HVAC Control System	Commercial Only - Custom Criteria.
Industrial Process Equipment Motors and Controls	Commercial Only - Custom Criteria.
Building Energy Efficient Management Control System	Commercial Only - Custom Criteria.

## Seismic Improvements

PRODUCT TYPE	ELIGIBILITY SPECIFICATIONS
Seismic Improvements	A copy of the pulled permit must be submitted for this product prior to funding. The permit must reference in the scope of work that the work is being done in accordance with Chapter A3, an approved standard plan set, or custom engineered solution. Product is not eligible in Los Angeles County or WRCOG.

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