

California Incentives for Renewables and Efficiency

Production Incentive	
<u>California Feed-In Tariff</u>	
Eligible Renewable/Other Technologies:	Solar Thermal Electric, Photovoltaics, Landfill Gas, Wind, Biomass, Geothermal Electric, Municipal Solid Waste, Anaerobic Digestion, Small Hydroelectric, Tidal Energy, Wave Energy, Ocean Thermal, Biodiesel, Fuel Cells using Renewable Fuels
Applicable Sectors:	Commercial, Industrial, Residential
Amount:	Tariff is based on CPUC market price referent (MPR) and is adjusted by time-of-use factors. A higher rate is provided for solar energy between 8 a.m. and 6 p.m.
Terms:	Customers may enter into 10-, 15-, or 20-year contracts
Website:	http://www.cpuc.ca.gov/PUC/energy/electric/RenewableEnergy/feedintariffs.htm
Authority 1:	CA Public Utilities Code § 399.20
Date Enacted:	9/29/2006
Authority 2:	CPUC Resolution E-4137
Date Enacted:	2/14/2008
Effective Date:	2/14/2008
Property Tax Exemption	
<u>Property Tax Exemption for Solar Systems</u>	
Eligible Renewable/Other Technologies:	Solar Water Heat, Solar Space Heat, Solar Thermal Electric, Solar Thermal Process Heat, Photovoltaics, Solar Mechanical Energy
Applicable Sectors:	Commercial, Industrial, Residential
Amount:	100% of system value
Max. Limit:	None
Terms:	75% exemption for dual-use equipment
Authority 1:	Cal Rev & Tax Code § 73
Expiration Date:	12/31/2009
State Loan Programs	
<u>Agriculture and Food Processing Energy Loans</u>	
Eligible Efficiency Technologies:	Thermal Heat Pumps, Electrodialysis Membrane Systems, Enterprise Energy Management Systems, Heating and Cooling Topping Cycle Systems, Ultra-low NOx Controlled Energy Efficient Burners
Eligible Renewable/Other Technologies:	Solar Water Heat, Solar Thermal Process Heat, Photovoltaics, Biomass
Applicable Sectors:	Agricultural, Food Processing
Amount:	\$50,000 minimum
Maximum Amount:	\$500,000
Terms:	Fixed rate of 3.2% for the life of loan Maximum repayment term of 7 years
Program Budget:	\$3 Million
Website:	http://www.energy.ca.gov/process/agriculture/loansolicitation/

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State Loan Programs	
<u>Energy Efficiency Financing Program</u>	
Eligible Efficiency Technologies:	Lighting, Lighting Controls/Sensors, Chillers, Furnaces, Boilers, Heat pumps, Air conditioners, Energy Mgmt. Systems/Building Controls, Building Insulation, Motors, Custom/Others pending approval
Eligible Renewable/Other Technologies:	CHP/Cogeneration
Applicable Sectors:	Schools, Local Government, Public Hospitals
Amount:	Up to 100% of energy efficiency project costs
Maximum Amount:	\$3 million
Terms:	3.95% fixed APR; maximum loan term of 15 years.
Program Budget:	\$26 million
Website:	http://www.energy.ca.gov/efficiency/financing/index.html
State Rebate Programs	
<u>Photovoltaics Incentives</u>	
Applicable Sectors:	Commercial, Industrial, Residential, Nonprofit, Schools, Local Government, State Government, Fed. Government, Multi-Family Residential, Low-Income Residential, Agricultural, Institutional, (All customers of PG&E, SDG&E, SCE; Bear Valley eligible only for NHSP)
Incentive Amount:	Varies by sector and system size (see below)
Equipment Requirements:	System components must be on the CEC's list of eligible equipment. Systems must be grid-connected. Inverters and modules must each carry a 10-year warranty. PV modules must be UL 1703-certified Inverters must be UL 1741-certified, and tested by the Energy Commission
Installation Requirements:	Systems must be installed by appropriately licensed California solar contractors Installer certification by NABCEP is recommended Installers must be pre-approved
Program Budget:	\$3.2 billion over 10 years
Ownership of Renewable Energy Credits:	Remains with customer-generator
Website:	http://www.gosolarcalifornia.ca.gov
Authority 1:	CSI Guidelines (2007)
Date Enacted:	12/19/2007
Effective Date:	1/1/2008
Authority 2:	SB 1
Date Enacted:	8/21/2006
Authority 3:	CPUC decision 06-01-024

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State Rebate Programs	
<u>Pilot Solar Water Heating Program (Must be SDG&E customer)</u>	
Applicable Sectors:	Commercial, Industrial, Residential, Nonprofit, Schools, Agricultural, Institutional, (must be SDG&E electric customer)
Incentive Amount:	Residential/small commercial: \$1,500, adjusted based on expected performance; Larger commercial: \$15/sq ft for open-loop systems; \$20/sq ft for closed-loop systems
Maximum Incentive:	Residential/small commercial: \$1,500 Larger commercial: \$75,000
Equipment Requirements:	Residential/Small Commercial: Systems must be SRCC OG300 rated. Larger projects: Collectors must be SRCC OG100 rated. All systems must have a minimum of a 10-year manufacturer's warranty on the solar collector(s), minimum of 1-year and up to 5-years based on manufacturer's warranty on the individual balance of system components, and 1-year warranty on installation labor and workmanship. Open-loop recirculation systems must come with a 5 year parts and labor warranty
Installation Requirements:	Must be a retrofit project for existing customer. Installation contractors must have an active A, B, C-4, C-36 or C-46 license. Self-installers are not required to be licensed, but must attend a one-day training workshop. Contractors are encouraged to become NABCEP-certified.
Program Budget:	\$2.6 million total, \$1.5 million for incentives
Funding Source:	Rate-payer funded
Project Review/Certification	CCSE will inspect 100% of the systems installed; Performance monitoring is required
Website:	http://energycenter.org/ContentPage.asp?ContentID=409&SectionID=440
Authority 1:	Solar Water Heating Program Handbook
Effective Date:	1/11/2008
<u>Emerging Renewables Program (Wind, Fuel Cells using Renewable Fuels)</u>	
Eligible Renewable/Other Technologies:	Wind, Fuel Cells using Renewable Fuels
Applicable Sectors:	Commercial, Industrial, Residential, Schools, Low-Income Residential, Agricultural, Institutional
Incentive Amount:	Wind: \$2.50/W for first 7.5 kW; \$1.50/W for increments >7.5 kW and <30 kW; Fuel cells: \$3.00/W
Eligible System Size:	Less than 30 kW; Wind systems up to 50 kW may participate, but rebate is limited to less than 30 kW
Equipment Requirements:	All major system components must be new and approved by the California Energy Commission; Must carry a minimum 5-year warranty on all equipment; All systems must be installed with a performance meter.
Installation Requirements:	Must be grid-connected and installed by a California-licensed contractor to receive full rebate. Owner-installed systems are allowed, but incentive is reduced by 15%.
Ownership of Renewable Energy Credits:	Remains with customer/producer
Website:	http://www.consumerenergycenter.org/erprebate/
Effective Date:	1998

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State Rebate Programs	
Self-Generation Incentive Program (Wind and Fuel Cells)	
Eligible Renewable/Other Technologies:	Wind, Fuel Cells
Applicable Sectors:	Commercial, Industrial, Residential, Nonprofit, Schools, Local Government, State Government, Fed. Government, Institutional
Incentive Amount:	\$1.50/W to \$4.50/W, depending on technology.
Maximum Incentive:	Incentive payment is capped at 1 MW.
Eligible System Size:	Systems must be sized according to customer's electricity demand; maximum system size of 5 MW; minimum of 30 kW for wind turbines and fuel cells using renewable fuels.
Equipment Requirements:	Systems must be new, UL listed, and in compliance with all applicable performance and safety standards. Wind systems and fuels must be covered by a minimum five year warranty. Other systems must be covered at least three years.
Installation Requirements:	Installation must comply with all federal, state, and local codes; Must be grid-connected and installed by a California-licensed contractor.
Program Budget:	2008 Funding:
	PG&E: \$36 million;
	SCE: \$28 million;
	So Cal Gas: \$11 million;
	SDG&E: \$8 million
Ownership of Renewable Energy Credits:	Remains with customer/producer
Expiration Date	1/1/2012
Website:	http://www.cpuc.ca.gov/PUC/energy/051005_sgip.htm
Authority 1:	Self-Generation Incentive Program Handbook (2007)