

# Major Solar Projects: Operational and Under Development

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### Projects in Operation

Developer	Project Name	Electricity Purchaser	Location	Technology	Capacity (MW)
<b>Concentrating Solar Power (including Concentrating Photovoltaic)</b>					
Acclona	Nevada Solar One	Nevada Power Co., Sierra Pacific Power Co.	<a href="#">Boulder City, NV</a>	Trough	64
Solargenix	Saguaro Solar Power Plant	Arizona Public Service	<a href="#">Red Rock, AZ</a>	Trough	1
Solel	Solar Energy Generating Systems (SEGS) I	Southern California Edison	<a href="#">Daggett, CA</a>	Trough	14
Solel	Solar Energy Generating Systems (SEGS) II	Southern California Edison	<a href="#">Daggett, CA</a>	Trough	30
Solel	Solar Energy Generating Systems (SEGS) III	Southern California Edison	<a href="#">Kramer Junction, CA</a>	Trough	30
Solel	Solar Energy Generating Systems (SEGS) IV	Southern California Edison	<a href="#">Kramer Junction, CA</a>	Trough	30
Solel	Solar Energy Generating Systems (SEGS) IX	Southern California Edison	<a href="#">Kramer Junction, CA</a>	Trough	80
Solel	Solar Energy Generating Systems (SEGS) V	Southern California Edison	<a href="#">Kramer Junction, CA</a>	Trough	30
Solel	Solar Energy Generating Systems (SEGS) VI	Southern California Edison	<a href="#">Kramer Junction, CA</a>	Trough	30
Solel	Solar Energy Generating Systems (SEGS) VII	Southern California Edison	<a href="#">Kramer Junction, CA</a>	Trough	30
Solel	Solar Energy Generating Systems (SEGS) VIII	Southern California Edison	<a href="#">Kramer Junction, CA</a>	Trough	80
<b>Concentrating Solar Power Total</b>					<b>419</b>
<b>Photovoltaics (excluding Concentrating Photovoltaic)</b>					
Conergy	Exelon-Conergy Solar Energy Center	Exelon Generation, LLC	<a href="#">Philadelphia, PA</a>	PV	3
First Solar/Sempra Generation	El Dorado Energy Solar Project	Pacific Gas & Electric	<a href="#">Boulder City, NV</a>	Thin-film PV	10
SunEdison	Alamosa Photovoltaic Solar Plant	Xcel Energy	<a href="#">Alamosa, CO</a>	PV	8
SunPower	Nellis Air Force Base	Nellis Air Force Base	<a href="#">Clark County, NV</a>	PV	14
<b>Photovoltaics Total</b>					<b>35</b>
<b>Total Operational</b>					<b>454</b>

### Projects Under Development

Developer	Project Name	Electricity Purchaser	Location	Technology	Capacity (MW)
<b>Concentrating Solar Power (including Concentrating Photovoltaic)</b>					
Abengoa Solar	Solana plant	Arizona Public Service	<a href="#">Gila Bend, AZ</a>	Trough	280
Ausra		Pacific Gas & Electric	<a href="#">Carrizo Plain, CA</a>	Linear Fresnel	177
BrightSource Energy	Ivanpah	Pacific Gas & Electric	<a href="#">Barstow, CA</a>	Tower	300
BrightSource Energy	Ivanpah	Southern California Edison	<a href="#">Barstow, CA</a>	Tower	100
BrightSource Energy		Southern California Edison	<a href="#">California</a>	Tower	1,200
Emcore/SunPeak Power			<a href="#">Southwest US</a>	Lens CPV	200
eSolar	Gaskell Sun Tower (Phase I)	Southern California Edison	<a href="#">Kern County, CA</a>	Tower	105
eSolar	Gaskell Sun Tower (Phase II)	Southern California Edison	<a href="#">Kern County, CA</a>	Tower	140
Florida Power & Light Co.	Martin Next Generation Solar Energy Center	Florida Power & Light Co.	<a href="#">Martin County, FL</a>	Trough <sup>1</sup>	75
GreenVolts, Inc.		Pacific Gas & Electric	<a href="#">Byron, CA</a>	CPV	2
Harper Lake, LLC	Harper Lake Solar Plant		<a href="#">California</a>	Trough	250
Inland Energy, Inc.	Palmdale Hybrid Gas-Solar plant		<a href="#">Palmdale, CA</a>	Trough	50
Inland Energy, Inc.	Victorville Hybrid Gas-Solar plant		<a href="#">Victorville, CA</a>	Trough	50
NextEra Energy Resources	Beacon Solar Energy Project		<a href="#">Kern County, CA</a>	Trough	250
San Joaquin Solar, LLC	San Joaquin Solar 1	Pacific Gas & Electric	<a href="#">Coalinga, CA</a>	Trough <sup>1</sup>	53
San Joaquin Solar, LLC	San Joaquin Solar 2	Pacific Gas & Electric	<a href="#">Coalinga, CA</a>	Trough <sup>1</sup>	53
Solel	Mojave Solar Park	Pacific Gas & Electric	<a href="#">Mojave Desert, CA</a>	Trough	553
Sopogy	Demonstration plant		<a href="#">Kailua-Kona, HI</a>	MicroCSP	1
Stirling Energy Systems	SES Solar One	Southern California Edison	<a href="#">Victorville, CA</a>	Dish-engine	500
Stirling Energy Systems	SES Solar One Expansion	Southern California Edison	<a href="#">Victorville, CA</a>	Dish-engine	350
Stirling Energy Systems	SES Solar Two	San Diego Gas & Electric	<a href="#">Imperial County, CA</a>	Dish-engine	300
Stirling Energy Systems	SES Solar Two Expansion	San Diego Gas & Electric	<a href="#">Imperial County, CA</a>	Dish-engine	600
<b>Concentrating Solar Power Total</b>					<b>5,590</b>
<b>Photovoltaics (excluding Concentrating Photovoltaic)</b>					
First Solar	Topaz Solar Farm	Pacific Gas & Electric	<a href="#">Carrisa Plains, CA</a>	Thin-film PV	550
First Solar	FSE Blythe	Southern California Edison	<a href="#">Blythe, CA</a>	Thin-film PV	8
Florida Power & Light Co.	DeSoto Next Generation Solar Energy Center	Florida Power & Light Co.	<a href="#">DeSoto County, FL</a>	PV	25
Florida Power & Light Co.	Space Coast Next Generation Solar Energy Center	Florida Power & Light Co.	<a href="#">Kennedy Space Center</a>	PV	10
MMA Renewable Ventures and Suntech Power Holdings		Austin Energy	<a href="#">Austin, TX</a>	PV	30
SunEdison		Lakeland Electric	<a href="#">Distributed in FL Service Area</a>	PV	24
SunEdison		California State Universities	<a href="#">California</a>	Thin-film PV	8
SunPower	California Valley Solar Ranch	Pacific Gas & Electric	<a href="#">San Luis Obispo County, CA</a>	PV	250
	Commercial Rooftop Installations	Southern California Edison	<a href="#">Southern California</a>	PV	250
		Public Service Electric & Gas Company	<a href="#">New Jersey</a>	PV	120
<b>Photovoltaics Total</b>					<b>1,275</b>
<b>Total Under Development</b>					<b>6,864</b>

### Total Operational and Under Development

<b>Concentrating Solar Power Total</b>					<b>6,009</b>
<b>Photovoltaics Total</b>					<b>1,310</b>
<b>Total Operational and Under Development</b>					<b>7,319</b>

\*Ausra also has a 5 MW Linear Fresnel test plant in operation in Bakersfield, CA that is not connected to the grid.

(1) Hybrid solar plants cofiring with other fuels (peak output reflects solar contribution only)

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