Utility-Scale Solar Projects in the United States Operating, Under Construction, or Under Development

Updated October 14, 2011

Overview

This list is for informational purposes only, reflecting projects and completed milestones in the public domain. The information in this list was gathered from public announcements of solar projects in the form of company press releases, news releases, and, in some cases, conversations with individual developers. It is not a comprehensive list of all utility-scale solar projects under development. This list may be missing smaller projects that are not publicly announced. Particularly, many smaller projects located outside of California that are built on a short time-scale may be underrepresented on this list. Also, SEIA does not guarantee that every identified project will be built. Like any other industry, market conditions may impact project economics and timelines. SEIA will remove a project if it is publicly announced that it has been cancelled. SEIA actively promotes public policy that minimizes regulatory uncertainty and encourages the accelerated deployment of utility-scale solar power.

This list includes ground-mounted utility-scale solar power plants larger than 1 MW that directly feed into the transmission grid. This list does not include large "behind the meter" projects that only serve on-site load. One exception to this is large projects on military bases that only serve the base (see, for example, Nellis Air Force Base).

While utility-scale solar is a large and growing segment of the U.S. solar industry, cumulative installations for residential and non-residential (commercial, non-profit and government) solar total 712 MW and 1,233 MW, respectively. For more information on the U.S. solar market, visit www.seia.org/cs/research/solarinsight.

Example Projects

Nevada Solar One

Developer: Acciona
Electricity Purchaser: NV Energy
Location: Boulder City, NV
Technology: Trough
Capacity: 64 MW
Source: Acciona North America

Sierra SunTower

Developer: eSolar
Electricity Purchaser: Southern California Edison
Location: Antelope Valley, CA
Technology: Tower
Capacity: 5 MW
Source: eSolar

Nellis Air Force Base

Developer: MMA Renewable Ventures
Electricity Purchaser: Nellis AFB
Location: Clark County, NV
Technology: PV
Capacity: 14 MW
Source: MMA Renewable Ventures

DeSoto Next Generation Solar Energy Center

Developer: Florida Power & Light Co.
Electricity Purchaser: Florida Power & Light Co.
Location: Arcadia, FL
Technology: PV
Capacity: 25 MW
Source: Florida Power & Light

Major Steps to Bring a Utility-Scale Solar Plant Online

Private versus Public Land

Solar projects proposed on public lands overseen by the federal government must complete a full Environmental Impact Statement before being issued a construction permit by the U.S. Department of the Interior. This review process, which takes as long as four years to complete, involves coordinated analyses by federal, state and local stakeholders to identify the potential impacts of a proposed project.

On June 29th, 2009, Secretary of the Interior Ken Salazar announced "Fast-Track" initiatives for solar projects on lands in the West. Currently, 14 solar projects have received the "Fast-Track" distinction and are undergoing environmental review. The "Fast-Track" initiative goal is to focus BLM efforts on promising projects in order to complete review prior to the December 2010 deadline required to qualify for some funding programs under the American Recovery and Reinvestment Act. For more information on the "Fast-Track" solar projects, please visit: http://www.blm.gov/wo/st/en/prog/energy/renewable_energy/fast-track_renewable.html

For more information:

Press inquiries should be directed to Monique Hanis at mhanis@seia.org.
If you have comments on this list, please contact research@seia.org.

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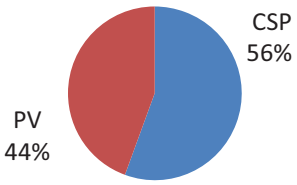
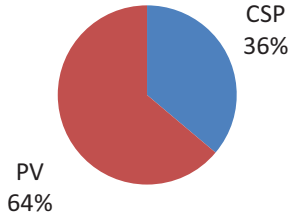
Utility-Scale Project Capacity by Technology and Completion Status (MW)				
Technology	**Operating**	**Under Construction**	**Under Development**	**Total**
CSP	509	679	8,136	9,324
PV	406	1,199	20,351	21,957
Total	**916**	**1,878**	**28,487**	**31,281**

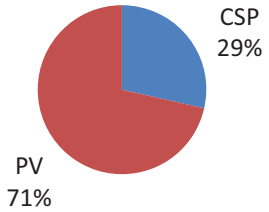
Operating Projects



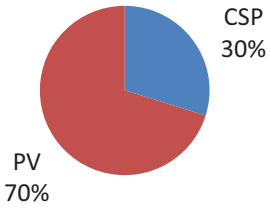
Projects Under Construction



Projects Under Development



Total Project Pipeline



Utility-Scale Project Capacity by State and Project Completion Status (MW)				
State	**Operating**	**Under Construction**	**Under Development**	**Total**
Arizona	10	639	2,455	3,105
California	452	972	18,417	19,841
Colorado	38	30	478	546
Delaware	10			10
Florida	127	10	622	759
Georgia	1		1	2
Hawaii	2	5	31	38
Idaho			30	30
Illinois	10		62	72
Massachusetts	2	5	41	48
Maryland		16	45	61
Minnesota			2	2
North Carolina	18		2	21
New Jersey	16	30	151	197
New Mexico	51	54	348	453
Nevada	143	20	4,767	4,930
New York			57	57
Ohio	12		65	77
Pennsylvania	6	1	52	59
Puerto Rico			30	30
Tennessee	1	6		7
Texas	16	90	390	496
Utah			155	155
Vermont			4	4
Washington			75	75
unknown			206	206
Total	**916**	**1,878**	**28,487**	**31,281**

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Developer	Project Name	Electricity Purchaser	City/County	State	PV/CSP	Technology	Status	Land Type	Online Date	Capacity
Abengoa Solar	Cameo Coal-Fired Hybrid Demonstration Project	Xcel Energy	Grand Junction	CO	CSP	Trough	Operating	Private	2010	1
Acciona	Nevada Solar One	NV Energy	Boulder City	NV	CSP	Trough	Operating	Private	2007	64
Advanced Solar Products	Linden Solar Farm	PSE&G	Linden	NJ	PV	PV	Operating	Private		4
American Capital Energy	Yardville Solar Farm	PSE&G	Hamilton	NJ	PV	PV	Operating	Private		5
ARCO Solar Inc., Siemens Solar	Rancho Seco Nuclear Station	Sacramento Municipal Utility District	Herald	CA	PV	PV	Operating	Private	1984	3
Arizona Public Service	Prescott Solar Power Plant	Arizona Public Service	Prescott	AZ	PV	PV	Operating	Private	2006	3
Ausra	Kimberlina	California's wholesale market	Bakersfield	CA	CSP	Linear Fresnel	Operating	Private	2009	5
Chevron Technology Ventures		Kit Carson Electric Cooperative	Questa	NM	CSP	Lens CPV	Operating	Private	2011	1
Cleantech America Inc.	CalRENEW-1	Pacific Gas & Electric	Mendota	CA	PV	Thin-film	Operating	Private	2010	5
Conectiv Energy	Vineland Solar One	Vineland Municipal Electric Utility	Vineland	NJ	PV	PV	Operating	Private	2009	4
Conergy	Exelon-Conergy Solar Energy Center	Exelon Generation LLC	Fairless Hills	PA	PV	PV	Operating	Private	2008	3
Constellation Energy	Denver International Airport Solar Array	Denver International Airport	Denver	CO	PV	PV	Operating	Privae	2011	4
Efficient Energy of Tennessee		Tennessee Valley Authority	Knox County	TN	PV	PV	Operating	Private	2010	1
enXco	Sacramento Soleil 2008	Sacramento Municipal Utility District	Sacramento	CA	PV	PV	Operating	Private	2008	1
enXco	Pocono Raceway Solar Facility		Lond Pond	PA	PV		Operating	Private		3
ESA Renewables/Suniva		Tennessee Valley Authority	Blairsville	GA	PV	PV	Operating	Private	2011	1
eSolar	Sierra SunTower	Southern California Edison	Antelope Valley	CA	CSP	Tower	Operating	Private	2009	5
First Solar	FSE Blythe	Southern California Edison	Blythe	CA	PV	Thin-film	Operating	Private	2009	21
First Solar	Cimarron I Solar Project	Tri-State Generation and Transmission	Cimarron	NM	PV	Thin-film	Operating	Private	2010	30
First Solar/Sempra Generation	Copper Mountain Solar Project	Pacific Gas & Electric	Boulder City	NV	PV	Thin-film	Operating	Private	2010	55
First Solar/Sempra Generation	El Dorado Energy Solar Project	Pacific Gas & Electric	Boulder City	NV	PV	Thin-film	Operating	Private	2008	10
Florida Power & Light Co.	DeSoto Next Generation Solar Energy Center	Florida Power & Light Co.	Arcadia	FL	PV	PV	Operating	Private	2009	25
Florida Power & Light Co.	Martin Next Generation Solar Energy Center	Florida Power & Light Co.	Martin County	FL	CSP	Trough	Operating	Private	2010	75
Florida Power & Light Co.	Space Coast Next Generation Solar Energy Center	Florida Power & Light Co.	Kennedy Space Center	FL	PV	PV	Operating	Private	2010	10
Global Solar Energy	Springerville Generating Station Solar System	Tuscon Electric Power	Springerville	AZ	PV	Thin-film	Operating	Private	2003	5
J. Fletcher Creamer & Son	Silver Lake Solar Farm	PSE&G	Edison	NJ	PV	PV	Operating	Private		2
juwi solar Inc.	Wyandot Solar Facility	American Electric Power Co. Inc.	Salem Township	OH	PV	Thin-film	Operating	Private	2010	12
juwi solar Inc.	Blue Wing Solar Project	CPS Energy	San Antonio	TX	PV	PV	Operating	Private	2010	16
juwi solar Inc.	Jacksonville Solar	Jacksonville Electric Authority	Jacksonville	FL	PV	PV	Operating	Private	2010	15
LS Power/SunPower	Dover SUN Park	Delmarva Power	Dover	DE	PV	PV	Operating	Public		10
Luz	Solar Energy Generating Systems (SEGS) I	Southern California Edison	Daggett	CA	CSP	Trough	Operating	Private	1985	14
Luz	Solar Energy Generating Systems (SEGS) II	Southern California Edison	Daggett	CA	CSP	Trough	Operating	Private	1986	30
Luz	Solar Energy Generating Systems (SEGS) III	Southern California Edison	Kramer Junction	CA	CSP	Trough	Operating	Private	1987	30
Luz	Solar Energy Generating Systems (SEGS) IV	Southern California Edison	Kramer Junction	CA	CSP	Trough	Operating	Private	1987	30
Luz	Solar Energy Generating Systems (SEGS) IX	Southern California Edison	Kramer Junction	CA	CSP	Trough	Operating	Private	1991	80
Luz	Solar Energy Generating Systems (SEGS) V	Southern California Edison	Kramer Junction	CA	CSP	Trough	Operating	Private	1988	30
Luz	Solar Energy Generating Systems (SEGS) VI	Southern California Edison	Kramer Junction	CA	CSP	Trough	Operating	Private	1989	30
Luz	Solar Energy Generating Systems (SEGS) VII	Southern California Edison	Kramer Junction	CA	CSP	Trough	Operating	Private	1989	30
Luz	Solar Energy Generating Systems (SEGS) VIII	Southern California Edison	Kramer Junction	CA	CSP	Trough	Operating	Private	1990	80
MMA Renewable Ventures	Nellis Air Force Base	Nellis Air Force Base	Clark County	NV	PV	PV	Operating	Private	2007	14
NRG Energy	Roadrunner Solar Electric Facility	El Paso Electric	Santa Teresa	NM	PV	PV	Operating	Private	Sep-11	20
Oak Leaf Partners	DIA 1	Denver International Airport	Denver	CO	PV	PV	Operating	Private	2008	2
Oak Leaf Partners	DIA 2	Denver International Airport	Denver	CO	PV	PV	Operating	Private	2009	2
Solar Power Inc.	Aerojet Solar Facility	Sacramento Municipal Utility District	Sacramento	CA	PV		Operating	Private		6
Solargenix	Saguaro Solar Power Plant	Arizona Public Service	Red Rock	AZ	CSP	Trough	Operating	Private	2005	1
Solon	Five Points Solar Station	Pacific Gas & Electric	Fresno	CA	PV	PV	Operating	Private		15
Solon	Vaca-Dixon Solar Station	Pacific Gas & Electric	Vacaville	CA	PV	PV	Operating	Private	2010	2
Sopogy	Holaniku at Keahole Point	HELCO	Kona	HI	CSP	Trough	Operating	Private	2009	2
SunEdison		Duke Energy	Davidson County	NC	PV	PV	Operating	Private	2011	17
SunEdison	Trenton Solar Farm	PSE&G	Trenton	NJ	PV	PV	Operating	Private		1
SunEdison	Alamosa Photovoltaic Solar Plant	Xcel Energy	Alamosa	CO	PV	PV	Operating	Private	2007	8
SunPower	West Pullman Industrial Redevelopment Area	Exelon Generation LLC	Chicago	IL	PV	PV	Operating	Private	2010	10
SunPower	Greater Sandhill Solar Plant	Xcel Energy	Alamosa	CO	PV	PV	Operating	Private	2011	19
SunPower/Duke Energy Generation Servic	Shelby Solar Project	NCMPA1	Shelby	NC	PV	PV	Operating	Private	2010	1
Sybac Solar		Gainesville Regional Utilities	Gainesville	FL	PV	PV	Operating	Private	2011	2
Tessera Solar	Maricopa Solar Power Plant	Salt River Project	Phoenix	AZ	CSP	Dish-engine	Operating	Private	2010	2
Three Phases and Green Rock Capital	Fort Carson Army Base	Fort Carson Army Base	Colorado Springs	CO	PV	PV	Operating	Private	2008	2
Western Massachusetts Electric Co.	William Stanley Business Park	Western Massachusetts Electric Co.	Pittsfield	MA	PV	PV	Operating	Private	2010	2
	Stroud Solar Station	Pacific Gas & Electric	Fresno	CA	PV	PV	Operating	Private	Oct-11	15
	Westside Solar Station	Pacific Gas & Electric	Fresno	CA	PV	PV	Operating	Private	Oct-11	20
Abengoa Solar	Solana	Arizona Public Service	Gila Bend	AZ	CSP	Trough	Under Construction	Private		280
American Capital Energy		National Grid	Boston	MA	PV	PV	Under Construction	Private		2
American Capital Energy		NV Energy	Searchlight	NV	PV	PV	Under Construction	Private		20
Beautiful Earth Group	Del Sur Solar	Southern California Edison	Lancaster	CA	PV	PV	Under Construction	Private		38
BlueChip Energy	Rinehart Solar Farm	Progress Energy Florida	Lake Mary	FL	PV	PV	Under Construction	Private		10
BrightSource Energy	Ivanpah Solar Electric Generating System (SEGS) I	Pacific Gas & Electric	Barstow	CA	CSP	Tower	Under Construction	Public		126
BrightSource Energy	Ivanpah Solar Electric Generating System (SEGS) III	Pacific Gas & Electric	Barstow	CA	CSP	Tower	Under Construction	Public		133
BrightSource Energy	Ivanpah Solar Electric Generating System (SEGS) II	Southern California Edison	Barstow	CA	CSP	Tower	Under Construction	Public		133
Con Edison/Panda Energy			Pilesgrove Township	NJ	PV	PV	Under Construction	Private		20
Conergy	Ingram's Mill Farm	PJM wholesale market	Chester County	PA	PV	PV	Under Construction	Private		1
Constellation Energy	Mount St. Mary's University Solar Farm	Constellation Energy	Emmitsburg	MD	PV	PV	Under Construction	Private		16
Efficient Energy of Tennessee		Tennessee Valley Authority	Jackson	TN	PV	PV	Under Construction	Private		1
First Solar	Paloma Solar Plant	Arizona Public Service	Gila Bend	AZ	PV	Thin-film	Under Construction	Private		17
Fotowatio Renewable Ventures	Austin Energy PV Project	Austin Energy	Webberville	TX	PV	PV	Under Construction	Private		30
GreenVolts Inc.	GV1	Pacific Gas & Electric	Byron	CA	CSP	CPV	Under Construction	Private		2
Lincoln Renewable Energy	NJ Oak Solar Farm	Atlantic City Electric	Fairfield Township	NJ	PV	PV	Under Construction	Private		10
NRG Energy	Agua Caliente	Pacific Gas & Electric	Yuma County	AZ	PV	PV	Under Construction			290
Recurrent Energy	Ajo	Arizona Public Service	Ajo	AZ	PV	PV	Under Construction	Private		5

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Rivermoor Energy		National Grid	Haverhill	MA	PV	PV	Under Construction	Private		1
RRE Austin Solar	Pflugerville Solar Power Plant		Pflugerville	TX	PV	PV	Under Construction	Private		60
Signal Energy	West Tennessee Solar Farm		Haywood County	TN	PV	PV	Under Construction	Public		5
Solar Millennium	Blythe Solar Power Project: Phase I	Southern California Edison	Blythe	CA	PV	PV	Under Construction	Public		500
Solon	Cotton Center	Arizona Public Service	Gila Bend	AZ	PV	PV	Under Construction	Private		17
Sopogy	Keahole Solar Power		Oahu	HI	CSP	MicroCSP	Under Construction	Private		5
Southern California Edison	Porterville Solar Plant	Southern California Edison	San Joaquen Valley	CA	PV	PV	Under Construction	Private		7
SPI Solar		Southern California Edison	Palm Springs	CA	PV	PV	Under Construction	Private		8
SunEdison	Prescott	Arizona Public Service	Prescott	AZ	PV	PV	Under Construction	Private		10
SunEdison		Xcel Energy	Lea & Eddy Counties	NM	PV	PV	Under Construction	Private		54
SunPower	McHenry Solar Farm	Modesto Irrigation District	Modesto	CA	PV	PV	Under Construction	Private		25
SunPower/Iberdrola	Copper Crossing	Salt River Project	Pinal County	AZ	PV	PV	Under Construction	Private		20
SunPower/Iberdrola	San Luis Valley Solar Ranch	Xcel Energy	Alamosa County	CO	PV	PV	Under Construction	Private		30
Western Massachusetts Electric Co.		Western Massachusetts Electric Company	Springfield	MA	PV	PV	Under Construction	Private		2
510nano, Inc.		Dominion North Carolina Power	Northampton County	NC	PV	PV	Under Development	Private		1
8minuteenergy	Calexico Solar Farm 1		Imperial Valley	CA	PV	PV	Under Development	Private		200
8minuteenergy	Calexico Solar Farm 2		Imperial Valley	CA	PV	PV	Under Development	Private		200
8minuteenergy	Calipatria Solar Farm 1		Imperial Valley	CA	PV	PV	Under Development	Private		50
8minuteenergy	Calipatria Solar Farm 2		Imperial Valley	CA	PV	PV	Under Development	Private		50
8minuteenergy	Chocolate Mountains Solar Farm		Imperial Valley	CA	PV	PV	Under Development			50
8minuteenergy	Midway Solar Farm 1		Imperial Valley	CA	PV	PV	Under Development	Private		50
8minuteenergy	Midway Solar Farm 2		Imperial Valley	CA	PV	PV	Under Development	Private		155
8minuteenergy	Midway Solar Farm 3		Imperial Valley	CA	PV	PV	Under Development	Private		200
8minuteenergy	Midway Solar Farm 4		Imperial Valley	CA	PV	PV	Under Development	Private		50
8minuteenergy	Mount Signal Solar Farm		Imperial Valley	CA	PV	PV	Under Development	Private		200
8minuteenergy	Salton Sea Solar Farm 1		Imperial Valley	CA	PV	PV	Under Development	Private		50
8minuteenergy	Salton Sea Solar Farm 2		Imperial Valley	CA	PV	PV	Under Development	Private		100
Abengoa Solar	Mojave Solar	Pacific Gas & Electric	San Bernardino County	CA	CSP	Trough	Under Development	Private		280
Acciona Solar Power	Ft. Irwin Solar Power Project	U.S. Army/surrounding utilities	Ft. Irwin	CA	CSP	Trough	Under Development	Public		500
Acciona Solar Power	Ft. Irwin Solar Power Project	U.S. Army/surrounding utilities	Ft. Irwin	CA	PV	PV	Under Development	Public		20
AES Solar	Imperial Valley Solar Project	San Diego Gas & Electric		CA	PV	PV	Under Development	Public		709
AES Solar			Palm Springs	CA	PV	PV	Under Development	Private		13
Albiasa	Kingman Project		Kingman	AZ	CSP	Trough	Under Development	Private		200
AllEarth Renewables	South Burlington Solar Farm		South Burlington	VT	PV	PV	Under Development	Private		2
American Capital Energy		Cape & Vineyard Electric Cooperative	Cape Cod	MA	PV	PV	Under Development	Private		18
American Capital Energy		Florida Power & Light Co.			PV	PV	Under Development	Private		6
American Capital Energy	William Stanley Business Park	Western Massachusetts Electric Co.	Pittsfield	MA	PV	PV	Under Development	Private		2
Arlington Valley Solar Energy II		San Diego Gas & Electric	Maricopa County	AZ	PV	PV	Under Development	Private		127
Atlantic Green Power			Salem County	NJ	PV	PV	Under Development	Private		80
Axio Power	The Greenfield Solar Farm	Town of Greenfield	Greenfield	MA	PV	PV	Under Development	Public		2
Bell Independent Power Corp	UA Tech Park Thermal Storage Demonstration Project	Tucson Electric Power	Tucson	AZ	CSP	Trough	Under Development	Private		5
BlueChip Energy	Sorrento Eagle Dunes Solar Farm	Progress Energy Florida	Orlando	FL	PV	PV	Under Development	Private		40
Boulevard Associates LLC	Sonoran Solar Energy Project		Maricopa County	AZ	CSP	Trough	Under Development	Public		375
BP Solar	BNL Area 1	Long Island Power Authority	Brookhaven	NY	PV	PV	Under Development	Public		19
BP Solar	BNL Area 2	Long Island Power Authority	Brookhaven	NY	PV	PV	Under Development	Public		18
BP Solar			Sierra County	NM	PV	PV	Under Development	Private		22
BrightSource Energy	Coyote Springs 1	Pacific Gas & Electric	Coyote Springs	NV	CSP	Tower	Under Development	Private		200
BrightSource Energy	Coyote Springs 2	Pacific Gas & Electric	Coyote Springs	NV	CSP	Tower	Under Development	Private		200
BrightSource Energy		Southern California Edison		NV	CSP	Tower	Under Development			1,200
BrightSource Energy	Hidden Hills Solar Electric Generating System		Inyo County	CA	CSP	LPT	Under Development	Private		500
C.F. Properties			Barstow	CA	PV	PV	Under Development	Private		19
Carthartes Private Investments			Westford	MA	PV	PV	Under Development	Private		5
Cascade Solar, LLC		Southern California Edison	Joshua Tree	CA	PV	PV	Under Development	Private		10
Chevron Energy Solutions	Lucerne Valley Solar Project	Southern California Edison	San Bernardino County	CA	PV	Thin-film	Under Development	Public		45
Clear Skies Solar Inc.			Cantil	CA	PV	PV	Under Development			6
Cogentrix	Alamosa Solar Generating Project	Public Service Company of Colorado	Alamosa	CO	PV	HCPV	Under Development	Private		30
Cogentrix Solar Services	North Alamosa County Project	Xcel Energy	Alamosa County	CO	CSP	Lens CPV	Under Development	Private		30
Community Energy		Exelon Generation LLC	Lancaster County	PA	PV	PV	Under Development	Private		6
Community Energy		Wholesale Power Market	Lancaster County	PA	PV	PV	Under Development	Private		6
Conectiv Energy	Vineland Solar One Expansion	Vineland Municipal Electric Utility	Vineland	NJ	PV	PV	Under Development	Private		12
Constellation Energy		Holyoke Gas & Electric	Holyoke	MA	PV	PV	Under Development	Private		4.5
Corporación Gestamp/ GA-Solar			Guadalupe County	NM	PV	PV	Under Development			300
CPV Renewable Energy Company	CPV Piney Reach Solar Farm		Charles County	MD	PV	PV	Under Development	Private		10
CSolar Development	Imperial Solar Energy Center South	San Diego Gas & Electric	Imperial County	CA	PV	PV	Under Development	Private		130
Element Power	Sun Streams Solar Farm		Maricopa	AZ	PV	PV	Under Development	Private		150
Element Power	Great Valley Solar Farm		Tulare	CA	PV	PV	Under Development	Public		120
Element Power	High Desert Solar Farm		Kern	CA	PV	PV	Under Development	Private		16
Element Power	Mojave View Solar Farm		Kern	CA	PV	PV	Under Development	Private		200
Element Power	Wild Sands Solar Farm		Riverside	CA	PV	PV	Under Development	Private		20
Element Power	Wildflower Green Energy Farm		Los Angeles	CA	PV	PV	Under Development	Private		100
Element Power	Armadillo Flats Solar Farm		Pueblo	CO	PV	PV	Under Development	Private		30
Element Power	New Market Solar Farm		Dorchester	MD	PV	PV	Under Development	Private		15
Element Power	Carlls Corner Solar Farm		Cumberland	NJ	PV	PV	Under Development	Private		20
Element Power	Copper Rays Solar Farm		Nye County	NV	PV	PV	Under Development	Public		200
Element Power	Marion Country Solar Farm		Marion	OH	PV	PV	Under Development	Private		15
Element Power	Cove Creek Solar Farm		Fulton	PA	PV	PV	Under Development	Private		20
Element Power	Alpine Solar Farm		Presidio	TX	PV	PV	Under Development	Private		50

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Element Power	Little Mountain solar project		Weber County	UT	PV	PV	Under Development	Private		55
Emcore/SunPeak Power			Southwest U.S.		CSP	Lens CPV	Under Development			200
Energy 5.0	Florida Solar 1	Tampa Electric	Polk County	FL	PV	PV	Under Development	Private		25
Energy Farm Inc.			Freeport	FL	PV	PV	Under Development	Private		74
ENN Mojave Energy	Mojave Green Center Phase I			NV	PV	Thin-film	Under Development	Private		360
ENN Mojave Energy	Mojave Green Center Phase II			NV	PV	Thin-film	Under Development	Private		360
enXco	Long Island	Long Island Power Authority	Long Island	NY	PV	PV	Under Development	Public		13
enXco	Marin Solar Facility	Marin Clean Energy	Kern/Kings/Tulare	CA	PV	PV	Under Development			31
enXco	Catalina Solar Project Phase I	San Diego Gas & Electric	Kern County	CA	PV	PV	Under Development	Private		50
enXco	Catalina Solar Project Phase II	San Diego Gas & Electric	Kern County	CA	PV	PV	Under Development	Private		60
ESA Renewables		Tennessee Valley Authority	Culberson	NC	PV	PV	Under Development	Private		1
eSolar	Gaskell Sun Tower (Phase I)	Southern California Edison	Kern County	CA	CSP	Tower	Under Development	Private		105
eSolar	Gaskell Sun Tower (Phase II)	Southern California Edison	Kern County	CA	CSP	Tower	Under Development	Private		140
Eurus Energy	Avenal Solar Facility	Pacific Gas & Electric	Avenal	CA	PV	Thin-film	Under Development	Private		57
Exelon	AV Solar Ranch One	Pacific Gas & Electric	Antelope Valley	NV	PV	PV	Under Development	Private		230
First Solar	Topaz Solar Farm	Pacific Gas & Electric	Carrisa Plains	CA	PV	Thin-film	Under Development	Private		550
First Solar		PNM		NM	PV	Thin-film	Under Development			22
Florida Power & Light Co.	Babcock Ranch	Florida Power & Light Co.	Babcock Ranch	FL	PV	PV	Under Development	Private		75
Fotowatio Renewable Ventures		NV Energy	Apex	NV	PV	PV	Under Development			26
Fotowatio Renewable Ventures		Southern California Edison	Kern County	CA	PV	PV	Under Development	Private		20
Fotowatio Renewable Ventures		Southern California Edison	Kern County	CA	PV	PV	Under Development	Private		20
Fotowatio Renewable Ventures		Southern California Edison	Kern County	CA	PV	PV	Under Development	Private		60
Fotowatio Renewable Ventures		Southern California Edison	Los Angeleles County	CA	PV	PV	Under Development	Private		20
Fotowatio Renewable Ventures		Tucson Electric Power	Tucson	AZ	PV	PV	Under Development			25
Fotowatio Renewable Ventures		U.S. Air Force	Lancaster	CA	PV	PV	Under Development	Public		500
GrandView Solar PV One		Idaho Power Co.	Mountain Home AFB	ID	PV	PV	Under Development	Public		20
Green Energy Capital Partners	Pennsylvania Solar Park		Nesquehoning	PA	PV	PV	Under Development	Private		20
GWS Technologies Inc.	Florence Solar Farm		Florence	AZ	PV	PV	Under Development			6
Harper Lake LLC	Harper Lake Solar Plant			CA	CSP	Trough	Under Development			250
Imperial Valley Solar Company		Imperial Irrigation District	Niland	CA	PV	PV	Under Development	Private		23
Inland Energy Inc.	Palmdale Hybrid Gas-Solar plant		Palmdale	CA	CSP	Trough	Under Development	Public		50
Inland Energy Inc.	Victorville Hybrid Gas-Solar plant		Victorville	CA	CSP	Trough	Under Development	Public		50
Jemez Pueblo			Jemez Pueblo	NM	PV	PV	Under Development	Private		4
K Road Solar	Calico Solar Project I		San Bernardino County	CA	PV	PV	Under Development	Public		750
K Road Solar	Calico Solar Project II			CA	CSP	Dish-engine	Under Development	Public		100
KDC Solar/Sundurance Energy		Middlesex County	Middlesex	NJ	PV	PV	Under Development	Private		7
Lincoln Renewable Energy			Alamosa County	CO	PV	PV	Under Development			37
Lincoln Renewable Energy	NJ Cedar Solar Plant		Manning Township	NJ	PV	PV	Under Development	Private		10
LS Power	Centinela Solar Energy	San Diego Gas & Electric	Imperial Valley	CA	PV	PV	Under Development	Private		130
Maryland Solar LLC			Hagerstown	MD	PV	PV	Under Development	Private		20
Matinee Energy			Cochise	AZ	PV	PV	Under Development	Private		25
Matinee Energy			Dragoon	AZ	PV	PV	Under Development	Private		150
MMR Power Solutions	Mt. Signal Solar	San Diego Gas & Electric	Imperial Valley	CA	CSP	Trough	Under Development			49
Mojave Sun Power	Hualapai Valley Solar Project		Mojave County	AZ	CSP	Trough	Under Development			340
National Solar Power	Gadsden Solar Farm	Progress Energy Florida	Gadsden County	FL	PV	PV	Under Development	Private		400
Needle Mountain Power LLC	Sterling Project		Lake Havasu City	CA	PV	PV	Under Development	Private		1,200
New Harvest Ventures/Agile Energy	Turning Point Solar	American Electric Power	Cumberland	OH	PV	PV	Under Development	Private		50
New York Power Authority	SUNY Buffalo	New York Power Authority	Buffalo	NY	PV	PV	Under Development	Private		7
NextEra Energy Resources	Desert Sunlight	Pacific Gas & Electric	Desert Center	CA	PV	Thin-film	Under Development	Public		300
NextEra Energy Resources	Genesis Solar Energy Project	Pacific Gas & Electric	Riverside County	CA	CSP	Trough	Under Development	Public		250
NextEra Energy Resources	Desert Sunlight	Southern California Edison	Desert Center	CA	PV	Thin-film	Under Development			250
Nextlight Renewable Power/First Solar	Silver State North Solar Project	NV Energy	Primm	NV	PV	PV	Under Development	Public		140
Nextlight Renewable Power/First Solar	Silver State South Solar Project	Southern California Edison	Primm	NV	PV	PV	Under Development	Public		267
Nextlight Renewable Power/First Solar	Boulder City Solar		Boulder City	NV	PV	PV	Under Development	Private		150
NJR Clean Energy Ventures			East Windsor	NJ	PV	PV	Under Development	Private		14
North Star Solar		Pacific Gas & Electric	Mendota	CA	PV	PV	Under Development	Private		60
NRG Energy	Wharton Generating Station	City of Houston	Houston	TX	PV	PV	Under Development	Private		10
NRG Energy		Pacific Gas & Electric	Lancaster	CA	PV	PV	Under Development	Private		66
NRG Solar	California Valley Solar Ranch	Pacific Gas & Electric	San Luis Obispo	CA	PV	PV	Under Development	Private		250
OPDE U.S. Corporation			West Sacramento	CA	PV	PV	Under Development			20
Pacific Blue Energy Corporation	Sunshine Solar Farm		Coconino County	AZ	PV	PV	Under Development	Private		20
Pacific Light & Power	Westside Solar Project	Kaua'i Island Utility Cooperative	Kauai	HI	CSP	Trough	Under Development	Private		10
Pacific Solar Investments Inc.	Amargosa North Solar Project	NV Energy	Nye County	NV	PV	PV	Under Development	Public		150
Pegasus Energy Partners	Mountain House Solar Farm		Alameda County	CA	PV	PV	Under Development	Private		400
PowerWorks	Kauai Solar Project	Kauai Island Coop	Kauai	HI	PV	PV	Under Development	Private		10
PowerWorks	Golden Hills		Alameda County	CA	PV	PV	Under Development			70
PPL Renewable Energy	Warren County Project	PPL Renewable Energy	Warren County	NJ	PV	PV	Under Development			5
Recurrent Energy		Southern California Edison	Kern County	CA	PV	PV	Under Development			6
Recurrent Energy		Southern California Edison	Kern County	CA	PV	PV	Under Development			22
Recurrent Energy		Southern California Edison	San Bernardino County	CA	PV	PV	Under Development			22
Scatec Solar	Westside Solar Ranch		Stanislaus County	CA	PV	PV	Under Development	Private		50
Scatec Solar			Oahu	HI	PV	PV	Under Development	Public		6
Scatec Solar	Redhills Renewable Energy Park		Iron County	UT	PV	PV	Under Development	Private		100
SECP/POSCO Power			Boulder City	NV	PV	PV	Under Development	Private		300
Sempra Generation	Mesquite Solar	Pacific Gas & Electric	Arlington	AZ	PV	PV	Under Development	Private		700
Sempra Generation			Boulder City	NV	PV	PV	Under Development	Private		200
SEPV 1, LLC		Southern California Edison	Palmdale	CA	PV	PV	Under Development	Private		2

Utility-Scale Solar Projects in the United States
Operating, Under Construction, or Under Development
Updated October 14, 2011

Developer	Project Name	Electricity Purchaser	City/County	State	PV/CSP	Technology	Status	Land Type	Online Date	Capacity
SEPV 2, LLC		Southern California Edison	Twentynine Palms	CA	PV	PV	Under Development	Private		2
Siemens Energy (Solel)	Mojave Solar Park	Pacific Gas & Electric		CA	CSP	Trough	Under Development	Private		533
Sithe Global Power	Toquop Energy Project		Mesquite	NV	PV	PV	Under Development			100
Soitec Solar Development		San Diego Gas & Electric	San Diego County	CA	CSP	CPV	Under Development	Private		30
Soitec/CSOLAR	Imperial Solar Energy Center West	San Diego Gas & Electric	Imperial County	CA	CSP	CPV	Under Development	Private		150
Sol Orchard LLC		San Diego Gas & Electric	San Diego County	CA	CSP	CPV	Under Development	Private		50
Solar Energy Initiatives Inc.	California Solar Park			CA	PV	PV	Under Development	Private		100
Solar Energy Initiatives Inc.				GA	PV	PV	Under Development	Private		1
Solar Energy Initiatives Inc.	West Texas Solar Park			TX	PV	PV	Under Development			300
Solar Millennium	Amargosa Farm Road Solar Energy Project 1	NV Energy	Nye County	NV	CSP	Trough	Under Development	Public		242
Solar Millennium	Amargosa Farm Road Solar Energy Project 2	NV Energy	Nye County	NV	CSP	Trough	Under Development	Public		242
Solar Millennium	Blythe Solar Power Project: Phase II	Southern California Edison	Blythe	CA	CSP	Trough	Under Development	Public		500
Solar Millennium	Palen Solar Power Project	Southern California Edison	Desert Center	CA	CSP	Trough	Under Development	Public		500
Solar Power Inc.		Southern California Edison	Palm Springs	CA	PV	PV	Under Development	Private		3
Solar Power Inc.		Southern California Edison	Palm Springs	CA	PV	PV	Under Development	Private		5
Solar Power Inc.			Rio Linda	CA	PV	PV	Under Development			10
Solar Project Solutions	Alpaugh	Pacific Gas & Electric	Tulare County	CA	PV	PV	Under Development	Public		50
Solar Project Solutions	Alpaugh North	Pacific Gas & Electric	Tulare County	CA	PV	PV	Under Development	Public		20
Solar Project Solutions	Atwell Island	Pacific Gas & Electric	Tulare County	CA	PV	PV	Under Development	Public		20
Solar Project Solutions	Corcoran	Pacific Gas & Electric	Kings County	CA	PV	PV	Under Development	Public		20
Solar Project Solutions	White River	Pacific Gas & Electric	Tulare County	CA	PV	PV	Under Development	Private		20
Solargen Energy			San Benito County	CA	PV	PV	Under Development			420
SolarReserve	Crescent Dunes Solar Energy Project	NV Energy	Nye County	NV	CSP	Tower	Under Development	Public		100
SolarReserve	Rice Solar Energy Project	Pacific Gas & Electric	Riverside County	CA	CSP	Tower	Under Development	Private		150
SolarReserve	Crossroads Solar Energy Project		Gila Bend	AZ	CSP	Tower	Under Development	Private		150
SolarReserve	Quartzsite Solar Energy Project		La Paz County	AZ	CSP	Tower	Under Development	Public		100
SolarReserve	Saguache Solar Energy Project		Saguache County	CO	CSP	Tower	Under Development	Private		200
SolarWorld		Los Angeles Department of Water & Power	Adelanto	CA	PV	PV	Under Development	Private		12
Solon		Tucson Electric Power	Tucson	AZ	PV	PV	Under Development	Private		5
Solutions for Utilities		Southern California Edison	Newberry	CA	PV	PV	Under Development			8
Southern Sky Renewable Energy	Canton Landfill Solar Facility	NSTAR	Canton	MA	PV	PV	Under Development	Private		5.6
Southwest Solar	SolarCAT Pilot Plant			AZ	CSP	Dish-engine	Under Development	Private		10
SunEdison	Chino Valley Solar Plant	Arizona Public Service	Chino Valley	AZ	PV	PV	Under Development	Private		19
SunEdison	Hyder Solar Plant	Arizona Public Service	Hyder	AZ	PV	PV	Under Development	Private		16
SunEdison		California State Universities		CA	PV	Thin-film	Under Development	Public		8
SunEdison		CPS Energy		TX	PV	PV	Under Development	Private		30
SunEdison		Lakeland Electric	Lakeland	FL	PV	PV	Under Development	Private		6
Sunergy World			Boise	ID	PV	PV	Under Development	Public		10
SunPower	Luke Air Force Base	Arizona Public Service	Glendale	AZ	PV	PV	Under Development	Private		14
SunPower	Air Force Academy	Colorado Springs Utilities	Colorado springs	CO	PV	PV	Under Development	Private		6
SunPower		Hawaiian Electric	Oahu	HI	PV	PV	Under Development	Private		5
SunPower	High Plains Ranch III	Pacific Gas & Electric	San Luis Obispo	CA	PV	PV	Under Development	Private		40
SunPower		Southern California Edison	Los Banos	CA	PV	PV	Under Development	Private		110
SunPower		Southern California Edison	Rosamond	CA	PV	PV	Under Development	Private		325
SunPower		Southern California Edison	Rosamond	CA	PV	PV	Under Development	Private		276
SunWorks Solar Systems			Central Fla.	FL	PV	PV	Under Development			2
Sustainable Energy Capital Partners		Southern California Edison	Santa Ana	CA	PV	Thin-film	Under Development			20
Syncarpha Capital			Easthampton	NJ	PV	PV	Under Development	Private		3
Teanaway Solar Reserve LLC	Teanaway Solar Reserve		Cle Elum	WA	PV	PV	Under Development	Private		75
Tessera Solar	San Luis Valley		Saguache County	CO	CSP	Dish-engine	Under Development	Private		145
TriLand Partners	Williamstown solar farm		Williamstown	VT	PV	PV	Under Development	Private		2
Tucson Electric Power	Bright Tucson	Tucson Electric Power	Tucson	AZ	PV	PV	Under Development	Private		2
Vidler Water Co.	Fish Springs Solar Ranch		Washoe County	NV	PV	PV	Under Development	Private		100
Wanxiang America/New Generation Powe	Rockford Solar Project		Rockford	IL	PV	PV	Under Development	Private		62
Western Massachusetts Electric Co.		Western Massachusetts Electric Company	Springfield	MA	PV	PV	Under Development	Private		4
Western Wind		Puerto Rico Electric Power Authority	Yabucoa	PR	PV	PV	Under Development	Public		30
Westside Holdings	Westlands Solar Park		San Joaquin Valley	CA	PV	PV	Under Development			5,000
Westwood Renewables		Dairyland Power Cooperative	Olmsted County	MN	PV	PV	Under Development	Public		2
	Solar 1	Arizona Public Service	Tonopah	AZ	PV	PV	Under Development	Private		15
		Los Angeles Department of Water & Power	Owens Lake	CA	PV	PV	Under Development	Private		10
	Springerville Generating Station Solar System (expansion)	Tuscon Electric Power	Springerville	AZ	PV	Thin-film	Under Development	Private		2