

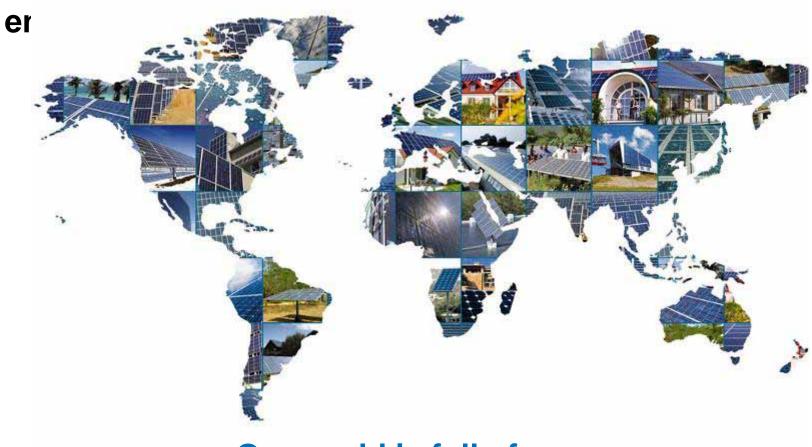


AGENDA

- An overview of Conergy and its position in the industry.
- Projects.
- Market Overview: How solar works
- A Solar Project is a Financial Deal



Since 1998, the Conergy group has grown into a worldwide market leader in the field of renewable

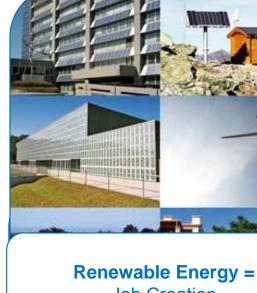


Our world is full of energy

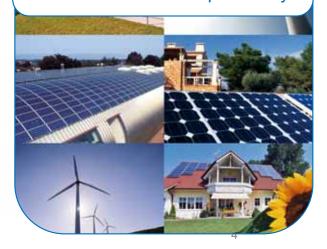


Conergy is a global leader

- One of the world's largest companies 100% dedicated to solar energy with over 1 gigawatt of renewable energy installed in the past decade
- A comprehensive portfolio of proven photovoltaic technology including crystalline and thin film modules, balance of system components and custom engineered solutions
- Complete, project specific PV solutions including project development and financing, engineering, construction and O & M services.
- Two distinct, highly focused sales channels:
 Distribution Sales Group serves a national network of installers
 Projects Group provides custom, turn-key solutions for large system customers
- Solutions for grid-tie and off-grid PV for residential, commercial, municipal, government, agriculture and utility systems
- Local expertise powered by global strength regional management structure ensures strong customer and market focus



Job Creation
(est. 275,000 US Jobs)
Energy Independence
Environmental Responsibility





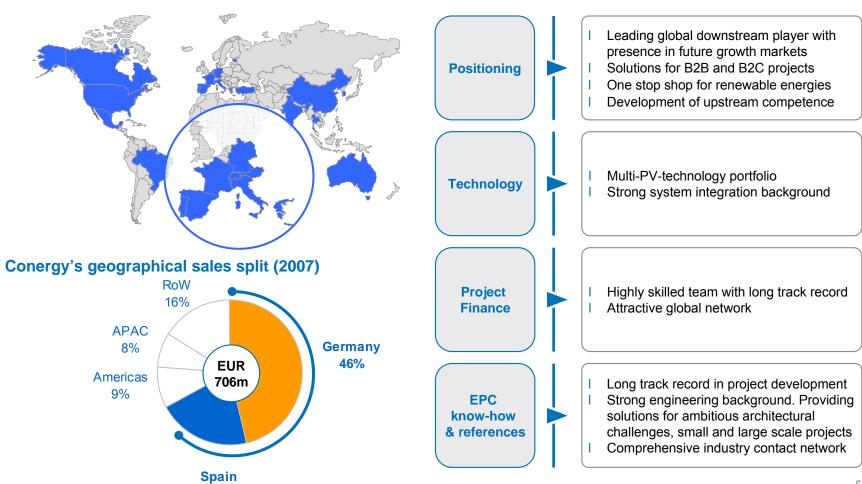


Conergy group has some substantial advantages in current positioning.

Global presence with Germany and Spain as key markets

21%

Conergy advantages in positioning





Conergy PV: The experts for PV business and system solutions.

Conergy PV

Conergy engineers have over ten years experience building PV systems and have successfully installed thousands of these systems worldwide.



PV for Distributed Energy



Agricultural



Schools

PV for private and public customers



Public buildings



Residential

PV special solutions



Telecommunications



Special architectural applications

PV Off-grid systems



Free field plants



On-roof installations

PV power plants



On-roof PV plants



Large-scale free field



Solar Power Roof Projects



Warmerdam Distribution Facility

San Joaquin Valley

Output: 1.2 MWp

No of modules: 6,600 modues

Over 25 years, the system will offset CO2

equivalent to 124 million car miles

Michelin Manufacturing Plant

Location: Landau, Homburg, Bad Kreuznach,

Bamberg

Output: 10 MWp

N° of modules: 60,000, on 200,000 m²

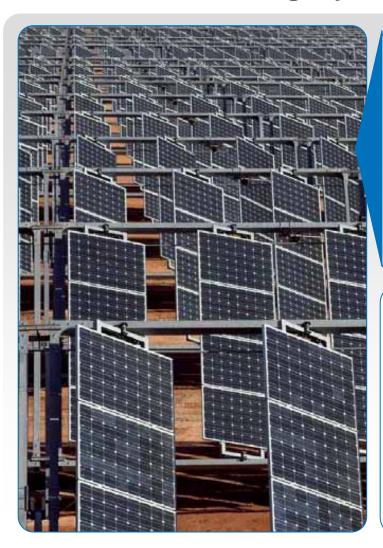
roof surface

World's largest solar power roof project.





Solar Tracking System Projects – Spain



Location: Chincilla

Start of operation: 2007

Output: 3 MWp

No of modules: 18,000

N° of tracking systems: 390 Surface covered: 146,400 m²

Conergy SolarOptimus Tracking System increases

energy yield by 30%.

Location: Darro, Granada

Start of operation: 2007

Output: 5.8 MWp

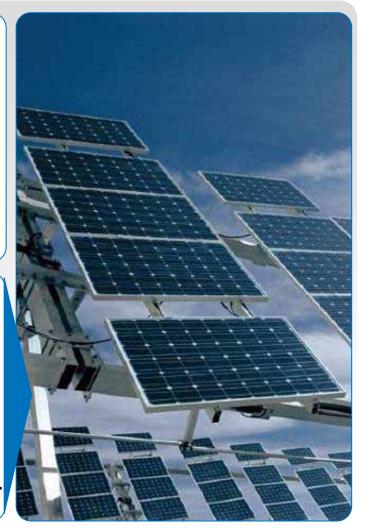
No of modules: 29,964

No of tracking systems: 710

Surface covered: 34 hectares

The installation saves the

environment 9,860 tons of CO₂





PV Power Plant Projects

Exelon-Conergy Solar Energy Center

Location: **Falls Township, PA**Start of operation: Nov. 2008

Output: 3 MWp

Largest PV plant east of Arizona



South San Joaquin Irrigation District

Location: Manteca, CA

Start of operation: May, 2008

Output: 2 MWp

Reduce annual energy costs \$500,000 Single Axis solar tracking system will

improve energy output by 15%



SinAn Energy System

Location: SinAn, Korea

Start of operation: June 2008

Output: 24 MWp

The world's largest solar power

plant with tracking system

Largest PV plant in Asia





Exelon - Conergy Solar Energy Center - 3 MWp

Location: Falls Township, PA

Landfill site – Waste Management

Exelon – Energy off take & SRECs

Over 100 green jobs created

The largest installation east of the Mississippi, the fifth largest solar power plant in the United States.

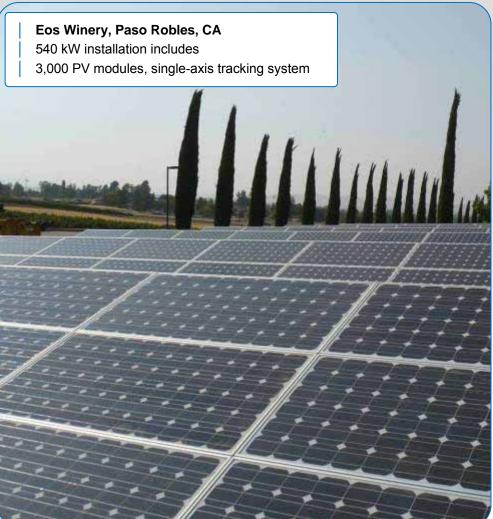






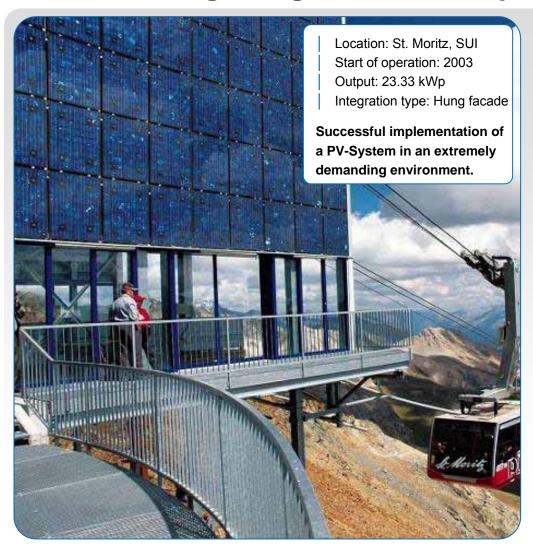
Agriculture Projects Projects

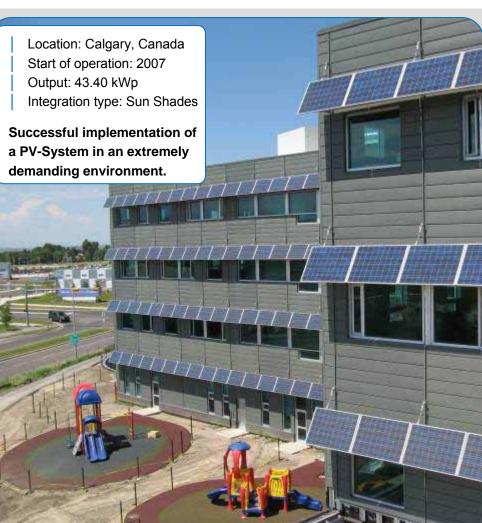






Building Integrated PV Projects







Solar Park Project – Spain

Location: Darro, Granada

Start of operation: 2007

Output: 5.8 MWp

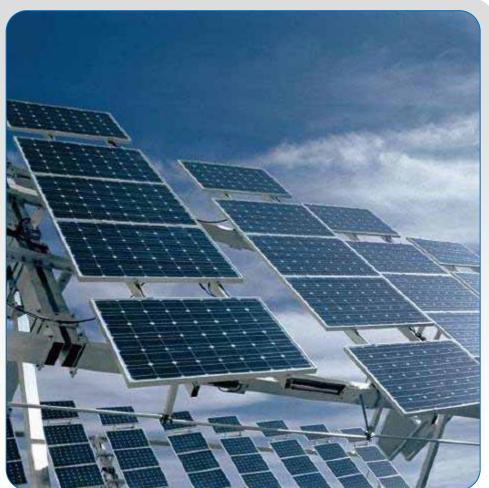
Number of modules: 29,964

Tracking systems: 710

Surface covered: 34 hectares

The installation saves the environment 9,860 tons of CO₂ every year







PV Power Plant Project – South Korea

Location: SinAn

Start of operation: June 2008

Output: 24 MWp

Number of modules: 109,000

Covers electricity needs

of 6,000 homes

The world's largest solar power plant with tracking systems.







Michelin Solar Power Roof Project – Germany



Location: Landau, Homburg, Bad Kreuznach, Bamberg

Output: Approx. 10 MWp

Number of modules: 60,000, on 200,000 m² roof surface

System covers electricity needs of 2,400 households

World's largest solar power roof project.





France's largest PV plant – 1.4 MW

Location: Saint-Aunès Mall

Start of operation: June 2008

Output: 1.4 MWp

Number of modules: 5.492

The mall's customers are very pleased to park their car under shade.





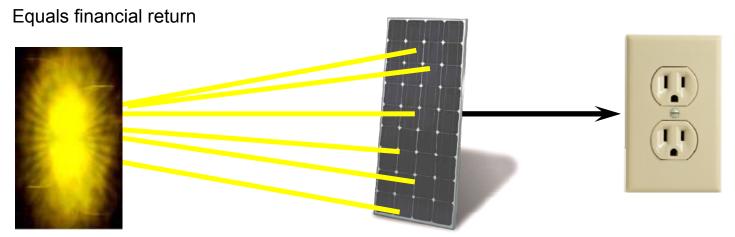


Market Overview



How Does Solar Electricity Work

- Solar PV is the direct conversion of sunlight to electricity. Edmond Becquerel discovered the concept known as photovoltaic effect in 1839
- Solar Electricity (a.k.a. Photovoltaics, or PV) is a clean, quiet, inexhaustible power source for your home, business or institution
- | Most reliable source of electricity (Space Program)
- Nearly 40 years of Solar Insolation Data Available (fuel source)
- Predictable and reliable output
- Produces energy when needed most





What Makes Solar Work?

Policy

- Electric Utility Deregulation
- Net metering rules
- Interconnection rules
- AEPS (portfolio standards)

Technology

- Inverters
- Increased module efficiency
- Mounting Solutions
- Tracker Technology



State solar programs are in variety of development stages presenting challenges in market navigation

- Effective solar policy has four principles
 - Utility rates and revenue policies
 - Interconnection
 - Net metering
 - Incentives
- Challenges exist in key states establishing all four pillars
 - New Jersey
 - Pennsylvania
 - Arizona
 - Florida
- These four principles (pillars) are necessary for optimal market development





Interconnecting Solar

Net-metered, Grid tied

Offset onsite loads through net metering, customer pays or finances the system, benefits
from the energy produced by reducing onsite electric consumption at retail rates. Conergy
Projects group market focus on net-metered projects. Key segments include:
Agriculture, water utilities and districts, industrial and commercial customers.

Utility scale

- Interconnect at the grid, sell power directly to the utility at wholesale rates. Conergy Projects group market focus for utility scale power: unregulated utilities in RPS states, and selective RFPs.

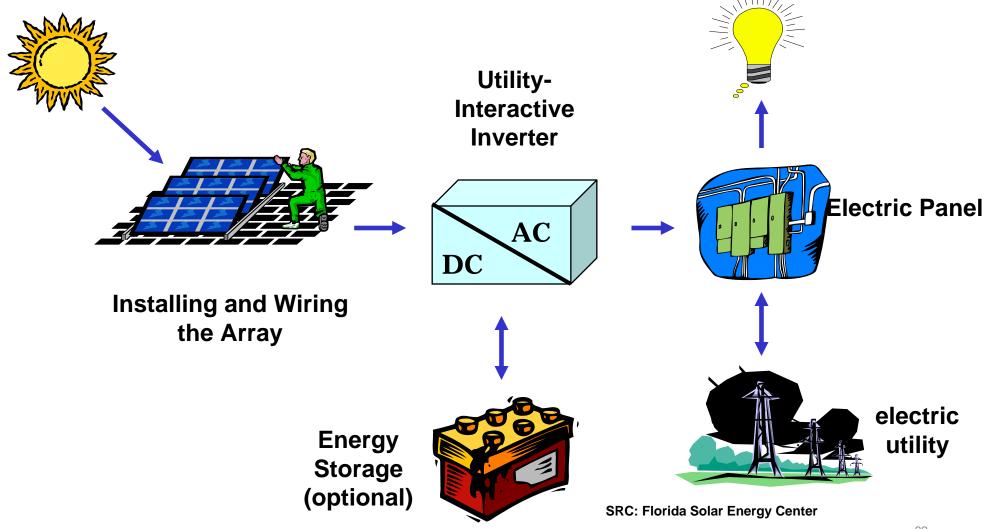
Type of deal drives deal structure, "customers", and complexity:

- Net-metered: Purchase, Lease or PPA

Utility: Purchase or PPA



How Solar PV Works - Grid Tied





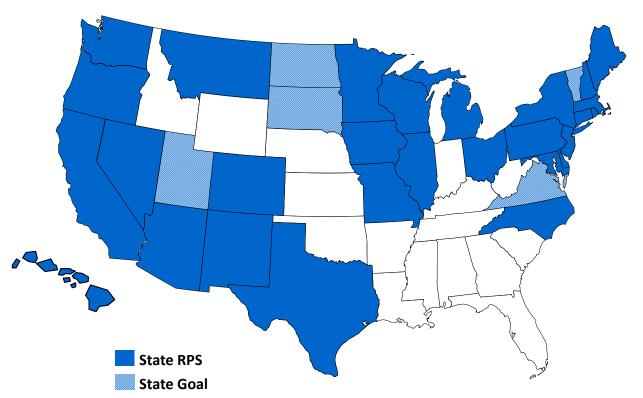
The US electric utility market is large and complex

There are over 3000 electric utilities in the US The Flow of Electricity **National Transmission Network** CALIFORNIA'S ELECTRIC UTILITY SERVICE AREAS **Regional Transmission Organizations** Unregulated Markets **Regulated Markets** (16 states) **Publicly** Independent **Publicly** Investor Investor Owned Owned Owned Owned Power Utility Utility Utility Utility **Producers** Munis Munis Coops Coops



Renewable Portfolio Standards and goals create 33 different state markets

- RPS is the main vehicle for deploying renewable energy
- 28 states have an RPS
- 5 states have renewable energy goal



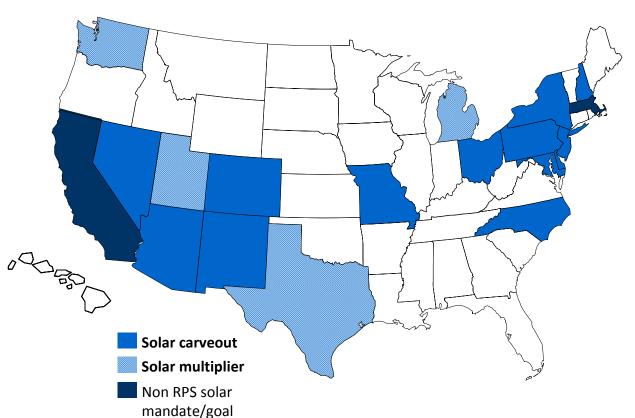
State RPS Goals

ΑZ	15% by 2025				
CA	20% by 2010				
CO	20% by 2020				
СТ	23% by 2020				
DC	20% by 2020				
DE	20% by 2019				
HI	20% by 2020				
IA	105MW				
IL	25% by 2025				
MA	15% by 2020				
MD	20% by 2022				
ME	30% by 2020				
MI	10% by 2015				
MN	25% by 2025				
МО	15% by 2021				
MT	25% by 2025				
NC	12.5% by 2021				
ND	10% by 2015				
NH	24% by 2025				
NJ	22.5% by 2021				
NM	20% by 2020				
NV	20% by 2015				
NY	24% by 2013				
OH	25% by 2025				
OR	25% by 2025				
PA	18% by 2020				
RI	16% by 2020				
SD	10% by 2015				
TX	5880MW by 2015				
UT	20% by 2020				
VA	12% by 2022				
VT	20% by 2017				
WA	15% by 2020				
WI	10% by 2015				



RPS solar carveouts and state solar goals provide foundation for solar

- Solar carveouts are key vehicle for deploying solar
- 13 solar carveouts; 4 states have a multiplier
- 2 states have established solar goals and supporting programs



Carveout goals

AZ	4.5% by 2025
CA	3GW by 2016
CO	0.8% by 2020
DE	2% by 2019
MA	250MW by 2017
MD	2% by 2022
MI	3X credit
MO	0.3% by 2021
NC	0.2% by 2018
NH	0.3% by 2015
NJ	2% by 2021
NM	4% by 2020
NV	1% by 2015
NY	0.15% by 2013
ОН	0.5% by 2025
PA	0.5% by 2020
TX	2X for non-wind
UT	2.4X for PV
WA	2X for DG



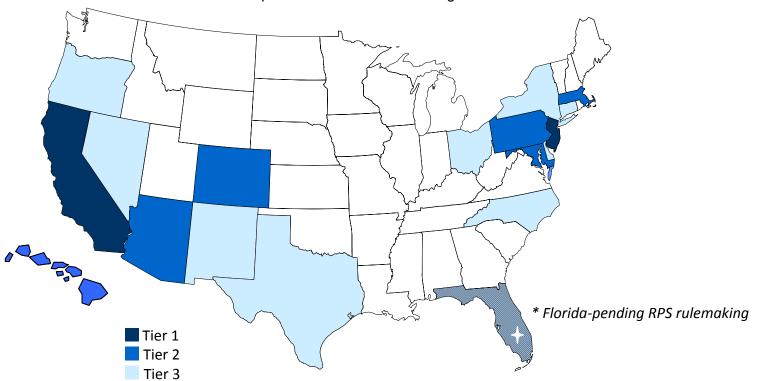
Key markets are driven by solar carveouts and effective policy

Ranking criteria:

- Incentives - Electric rates - Net metering

Political landscape - Near term potential - Total market potential

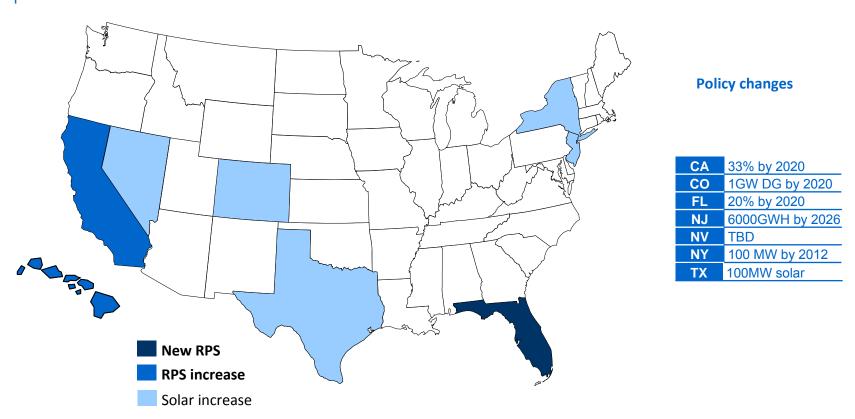
- Solar carveout - Competition - Funding





Potential changes in certain states will increase and improve opportunities for solar

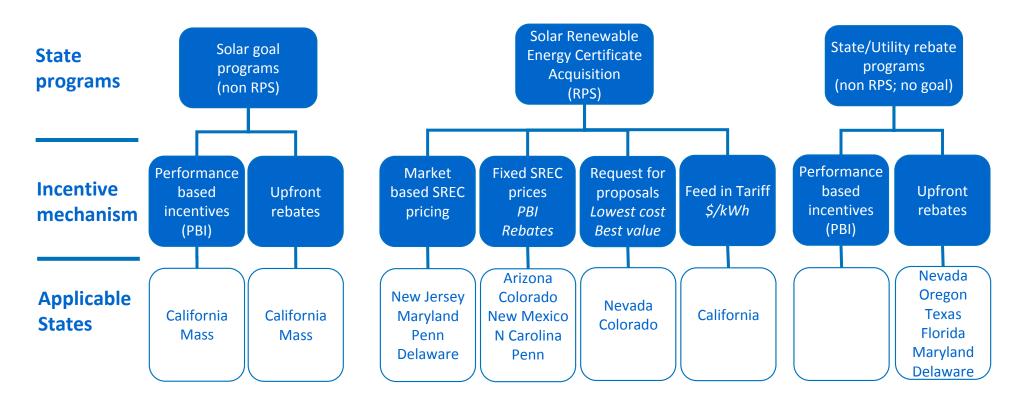
- 1 new RPS
- 2 RPS increases
- 5 solar increases





Different market structures used for RPS compliance and solar deployment in key states

- These are the main structures although there are others currently in operation
- RPS states must acquire renewable energy certificates but use different incentive mechanisms





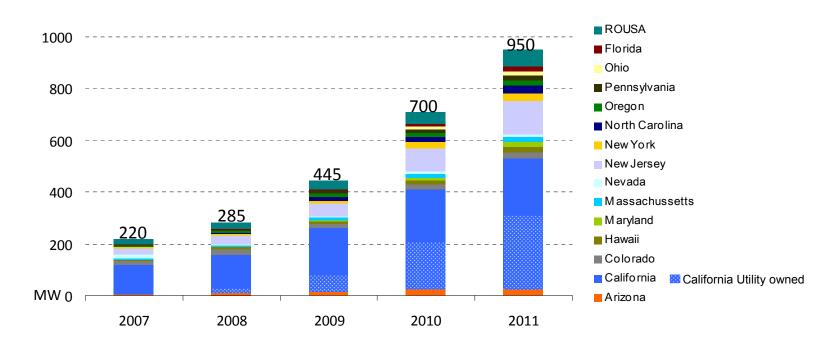
2009 Economic Stimulus

Provision	Funding	Comments	MW
Cash grant	No cap	Same 30% as ITC but grant opens the market to more investors & developers	Will help move some MWs but won't make it explode
Loan guarantee	\$6B for credit costs	The \$6B will enable \$60B in guarantees	Will help move some MWs but terms still tough
Subsidized financing	No cap	Major impact for project receiving gov't funds	Probably won't make any MWs move that wouldn't have already
Bonus depreciation	No cap	50% additional year 1	Minor impact on market growth
CREB	\$1.6B	Additional bonding authority for public entities	Still need a tax equity investor to use CREB so impact minimal
Solar on federal property	\$6.5B	This is for spending on improvements including EERE and not just solar	10% of this money for solar could be ~125MW
Solar on schools	\$1B	As part of larger state pool \$1B is set aside for renovations and meeting green building standards	If 20% of this goes towards solar it would be $\sim 25MW$
Solar on water treatment plants	\$6B	\$6B for water systems, of which 20% is for green infrastructure	20% of the 20% would be approx 40MW
State energy programs	\$3.1B	Many states will use this money for existing rebate programs	If 25% went to rebate programs at \$2/W it could drive nearly 400MW



California and New Jersey will continue to lead the way in megawatts installed

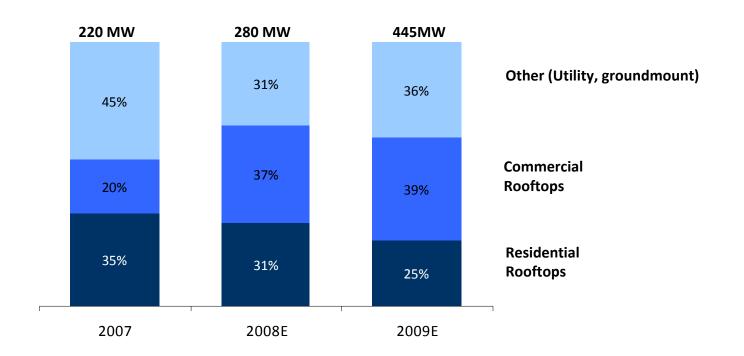
- Utility project announcements in California will continue the state's dominance in the PV market
- NJ's SREC program will soon grow market and cover RPS compliance shortfall
- Tremendous upside exists in NJ with legislation for carveout increase
- A solar carveout in Florida could produce gigawatts of PV in the sunshine state





Market segmentation will shift as large scale utility projects are installed

- Residential was dominant in 2007
- Utility freefield projects, part of the other category, will grow dramatically





Tier 2 states show good opportunity but still have room for improvement

Arizona

- 30% distributed generation carveout mainly targeted at solar
- Recent net metering change removed barrier to commercial business

Colorado

- Current projections show significant market decrease in 2010
- Gubernatorial proposal and companion legislation supporting 1GW of solar by 2020

Maryland

- Solar requirements ramp up in 2011
- Long term contracting requirement in place which is critical for solar industry projects

Massachusetts

- Good policies put into place in 2008 on net metering, distributed generation and long term contracts
- Funding in place to support 70MW over four years

Pennsylvania

- Programs currently being formed to deploy \$180M in subsidy funds
- RPS ramps up in 2011 but policy hurdles still exist



Solar Projects are Financial Deals



Deal Components

Federal Tax Credit = 30% recently extended for 8 years

"State" Incentive

Solar Renewable Energy Credits (\$250-\$600 Per MWH) secured by long term contract Rebate of Performance based incentive (e.g., CA = \$0.22/kwh)

Avoided Cost of Electricity

Energy savings- \$.08-\$.18 per kwh

Time of use/Time of day rates as high as \$.32/kwh

= Deal Economics

Host customer economic driver usually avoided electricity costs + payback period or IRR Utility economic driver RPS mandates and elevate green profile

Tax equity economic driver is risk/return equation with minimum before tax yields of 7%-10%



Financing solutions to meet the needs of your business

Buy

- System purchase financing-
- Customer takes SREC

Lease

- 5-10 yr payments below current electricity costs – Customer takes SREC, or long term off taker is identified.

PPA (Power Purchase Agreement)

- Buy energy, not assets
- No capital investment required
- Host it on your roof, ground or parking facility
- Buy the solar electricity produced at a fixed rate
 - 10 20 year terms with buyout option
- No maintenance costs
- Your organization benefits from clean solar power, while demonstrating environmental leadership



Commercial Finance Solutions

- Finance Lease (Capital Lease)
 - 5 to 10 year term, customer uses tax credit and depreciation
 - similar to a bank loan, but no down payment is required
 - provides large cash reserve in early years to help make payments
 - Customer retains SREC ownership, additional income stream
 - 5 year buy out price

- Benefit

Customer gets low interest rate, keeps company's cash at work in the business; write off all interest paid on lease

Best for:

Commercial For-Profit companies



Typical Lease Finance Partner

- Privately owned finance company
- Leasing and equipment finance experts
- Expertise in large and middle market credits
 - Full service leasing company

Conergy

- I Knowledge of solar industry, products, and structures
- I Energy finance experience
- I Capacity to fund > \$150 million in 2008
- I Specializing in creative finance solutions



Conergy Commercial Finance Program

What it is:

- Financing *options* for your commercial deals 250 kW + *(qualified credit rating)*
- Dedicated, experienced resources
- Deal enabling tool

Market driven program solution:

- Rapid growth in commercial grid-tie
- Tax credits (30%) + other incentives increase commercial project attractiveness
- Performance based incentive programs creating greater need for financing



What Can Be Financed?

- Photovoltaic systems
- | Hybrid systems
- Balance of system components
- | Engineering & Installation

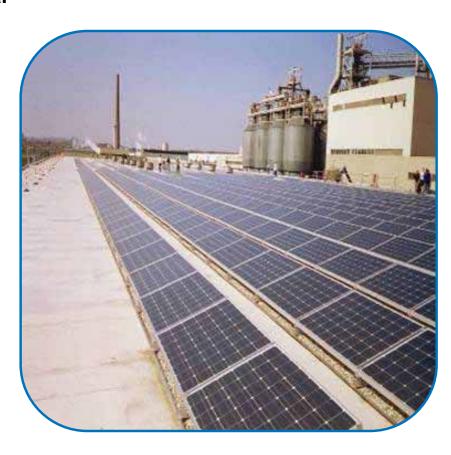




Eligible Borrowers

Commercial & Industrial

- Hospitality
- Agriculture
- Retail
- Hospitals
- Industrials
- Manufacturers
- Schools
- Any credit-worthy entity



Government

- Federal
- State
- Local
- Public Schools
- Public Hospitals
- Special Authorities

