

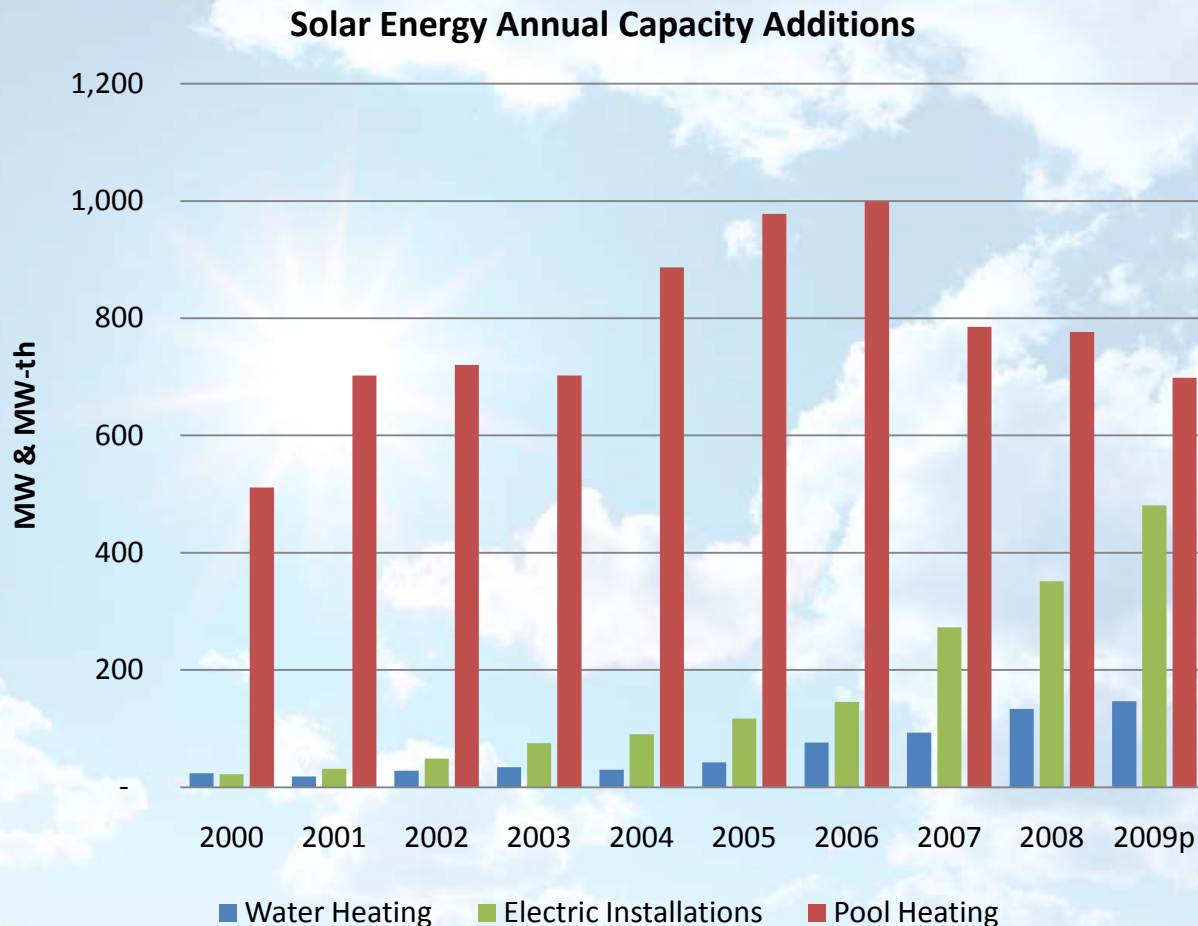


U.S. Solar Industry Year in Review 2009

Rhone Resch, President & CEO, SEIA

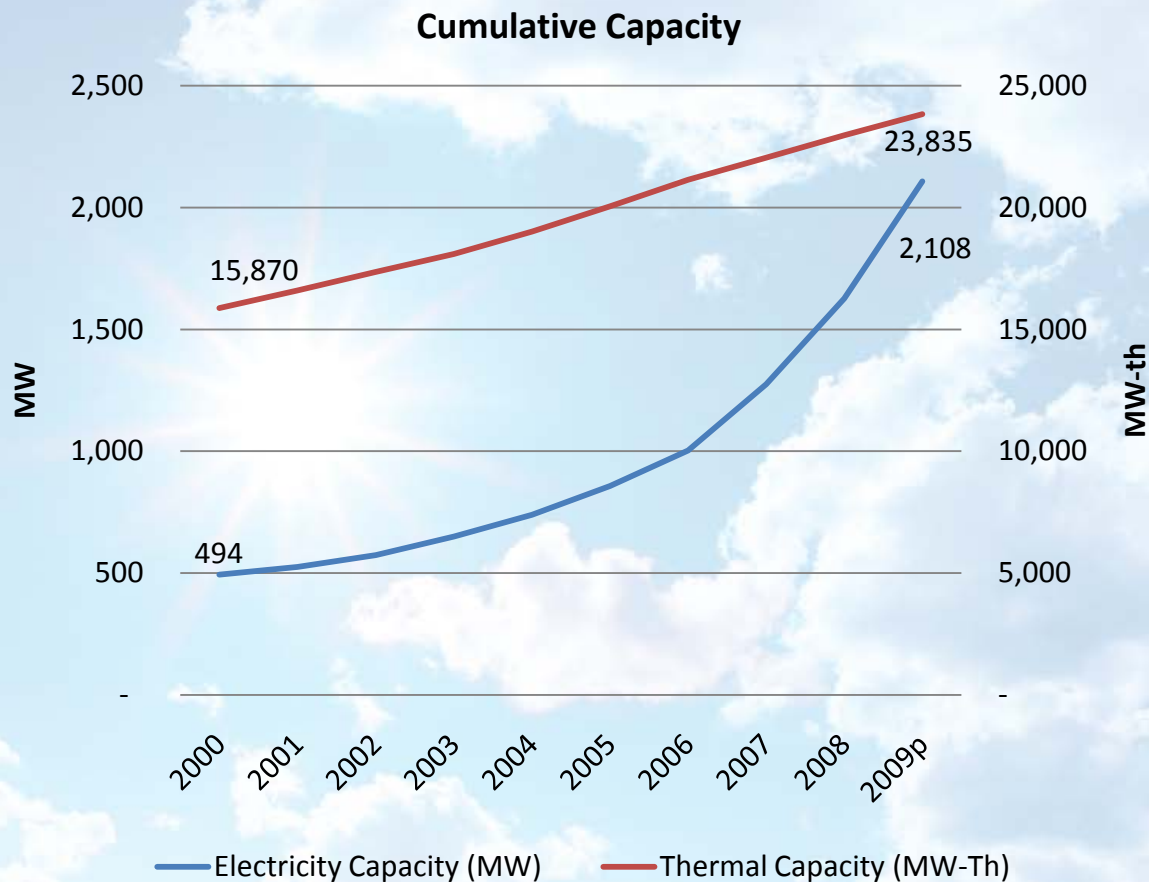
Despite the Great Recession of 2009, the U.S. solar industry had its best year ever

- Annual installations of solar electric grew 37% over 2008.
- Solar water heating installations grew an estimated 10% over 2008.
- Pool heating installations declined approximately 10% over 2008.



Despite the Great Recession of 2009, the U.S. solar industry had its best year ever

- Solar electric surpassed 2,000 MW in cumulative capacity.*
- Solar thermal reached nearly 24,000 MW.**

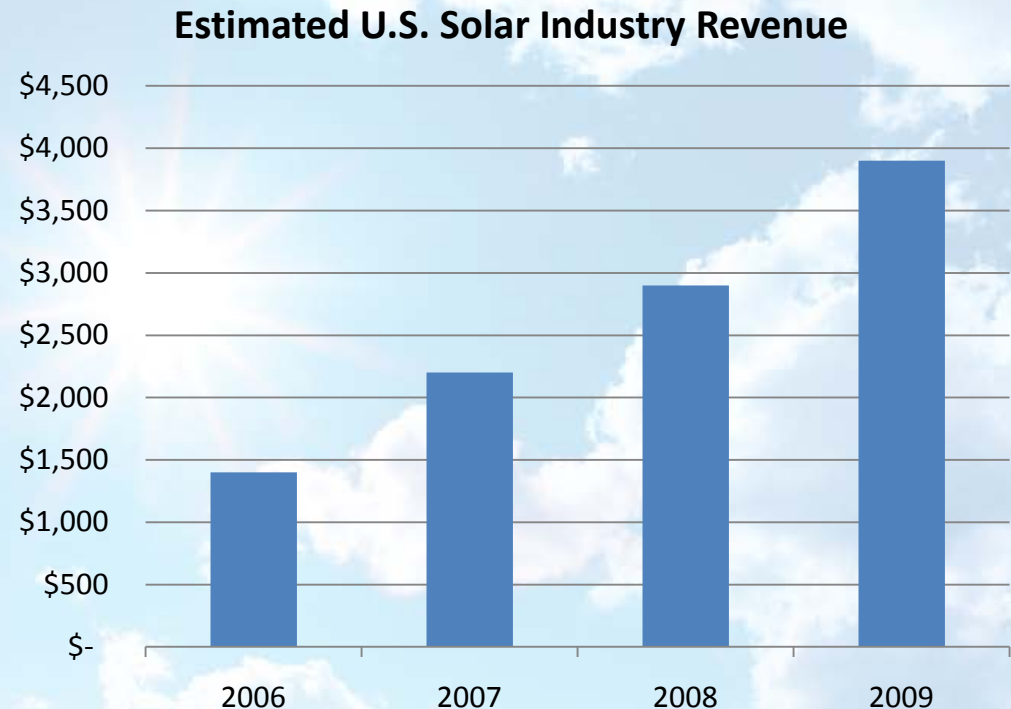


* Electric includes PV and CSP

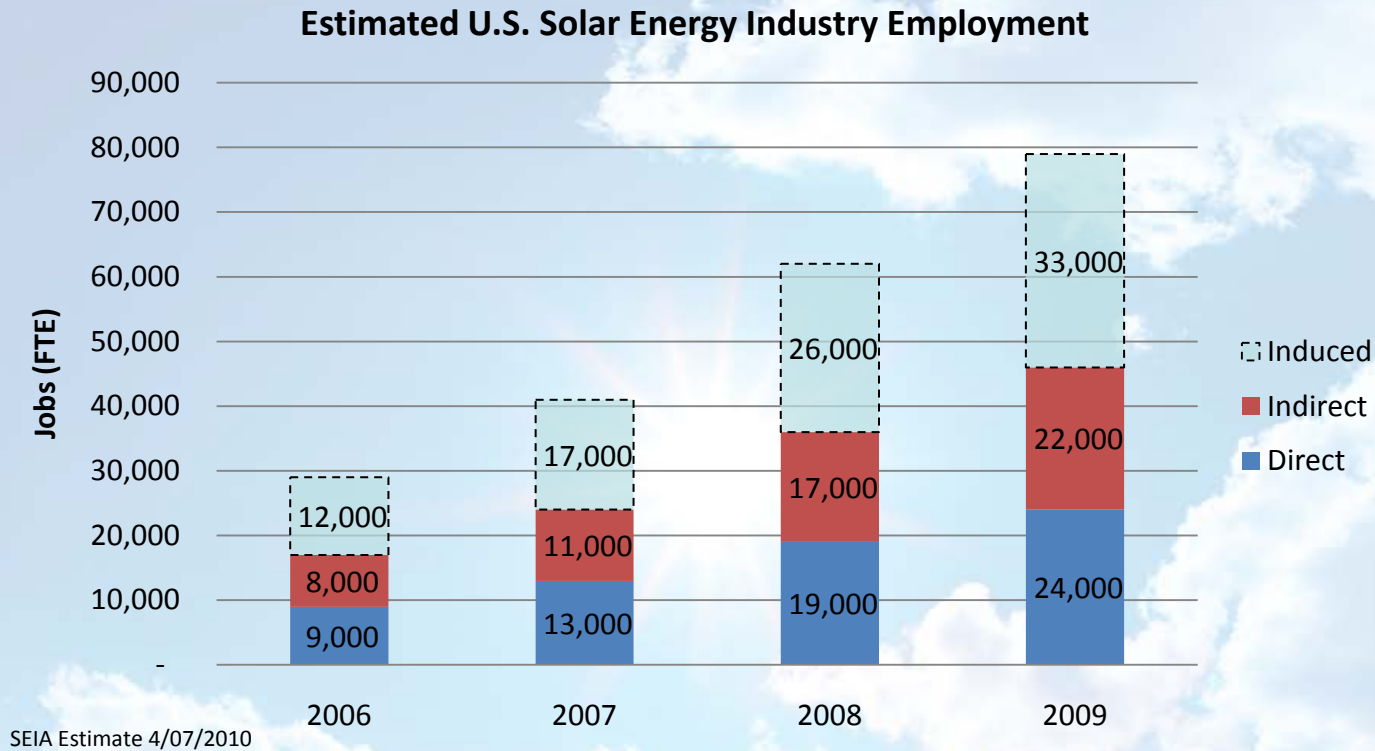
** Thermal includes solar water heating, solar pool heating, space heating and space cooling.

U.S. Solar Energy Industry Revenue Grew by 36 Percent

- The U.S. solar industry revenue grew an estimated 36% from 2008 to 2009.



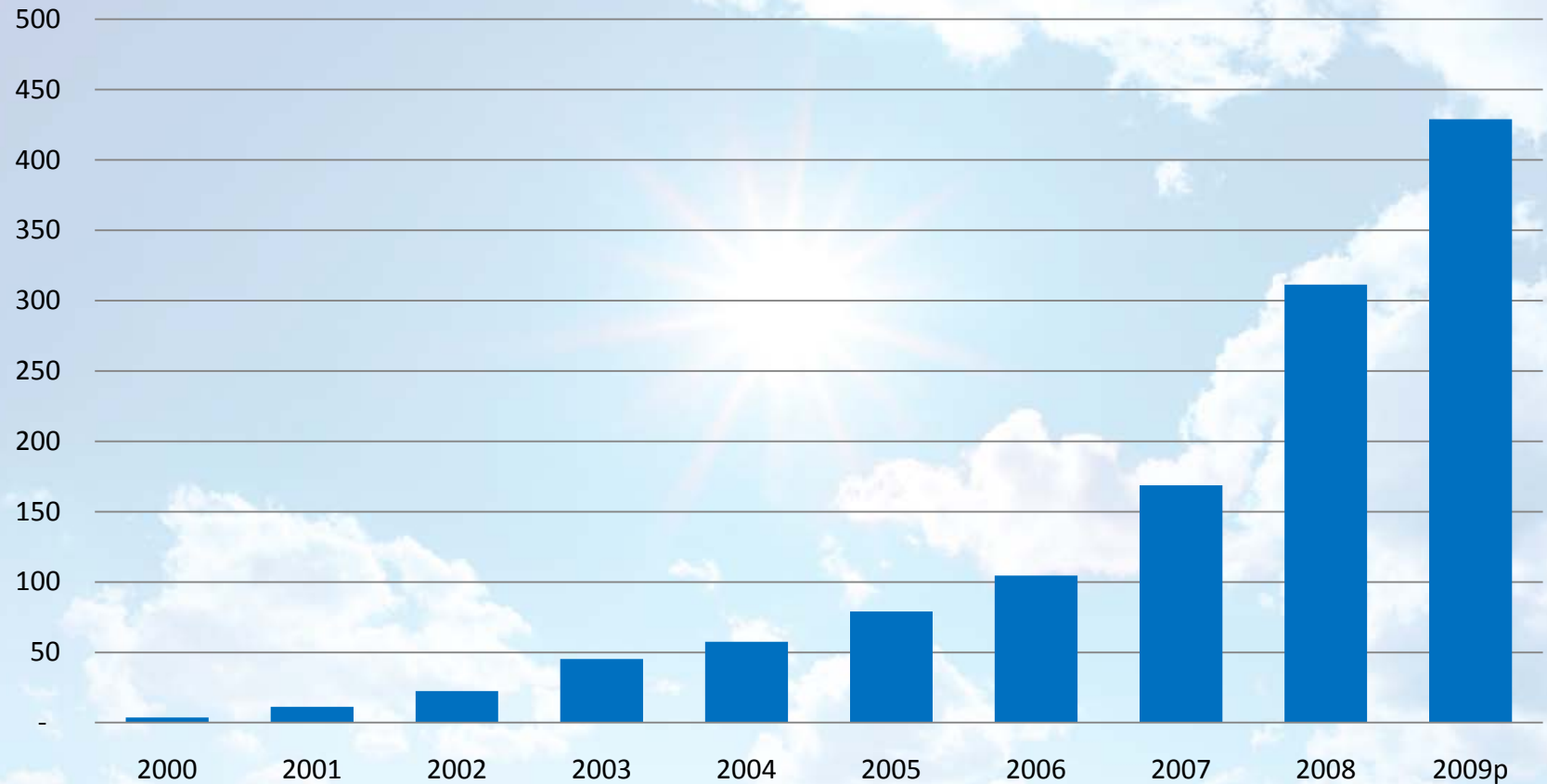
The Solar Industry Supported 17,000 New U.S. Jobs in 2009



- SEIA estimates that 24,000 people were directly employed in the U.S. solar energy business in 2009.
- An additional 22,000 people worked for companies that supply services and materials needed by the solar industry.
- Solar supported an additional 33,000 induced jobs in 2009.
- In sum, the U.S. solar industry supported 79,000 jobs in 2009, 17,000 more than the 62,000 jobs supported in 2008.

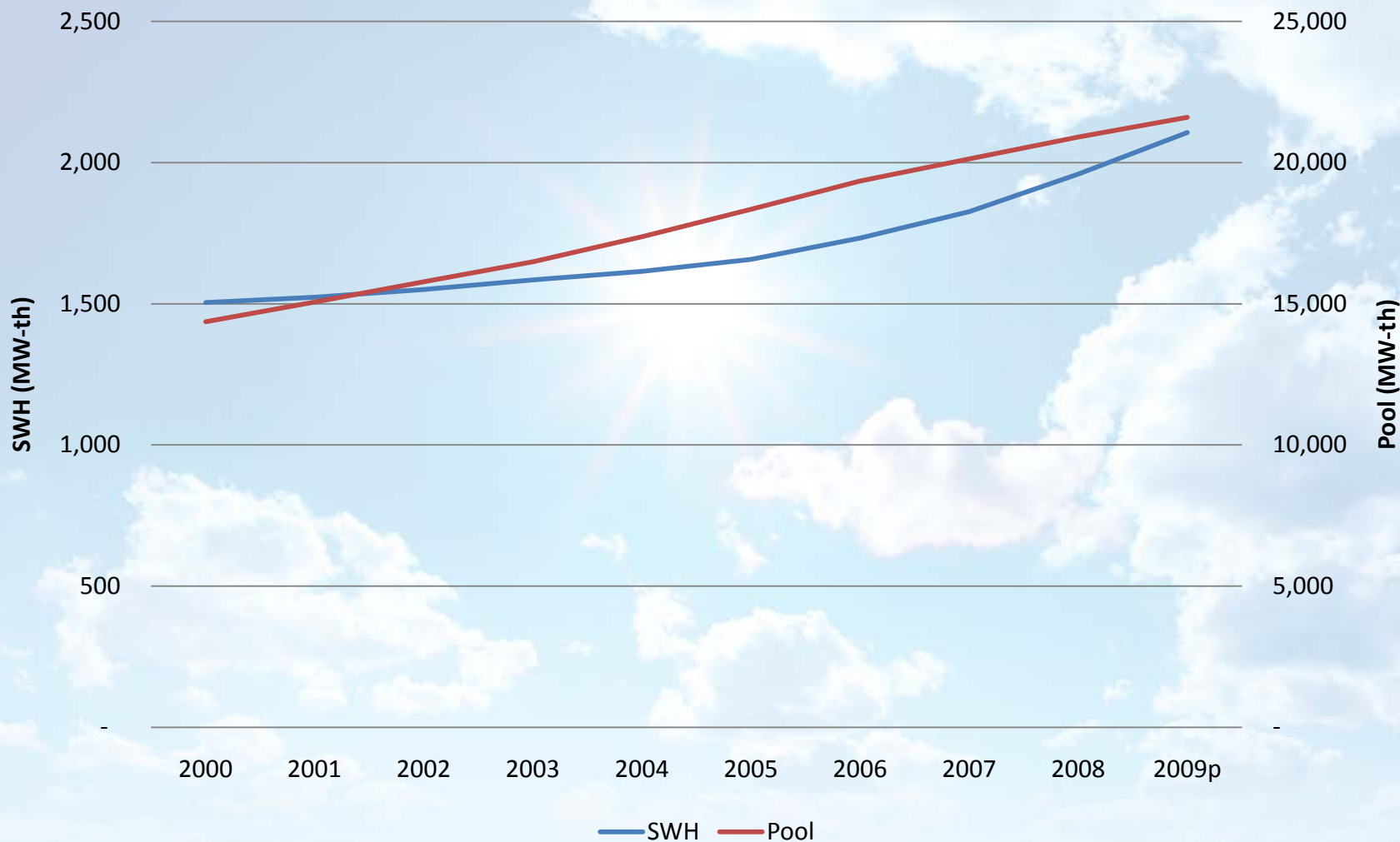
Grid-Tied, U.S. PV Installations Grew by 38 Percent in 2009

New Grid-Tied PV Installations



Solar Water Heating Shipments Grew by 10 Percent; Solar Pool Heating Shipments Fell by 10 Percent

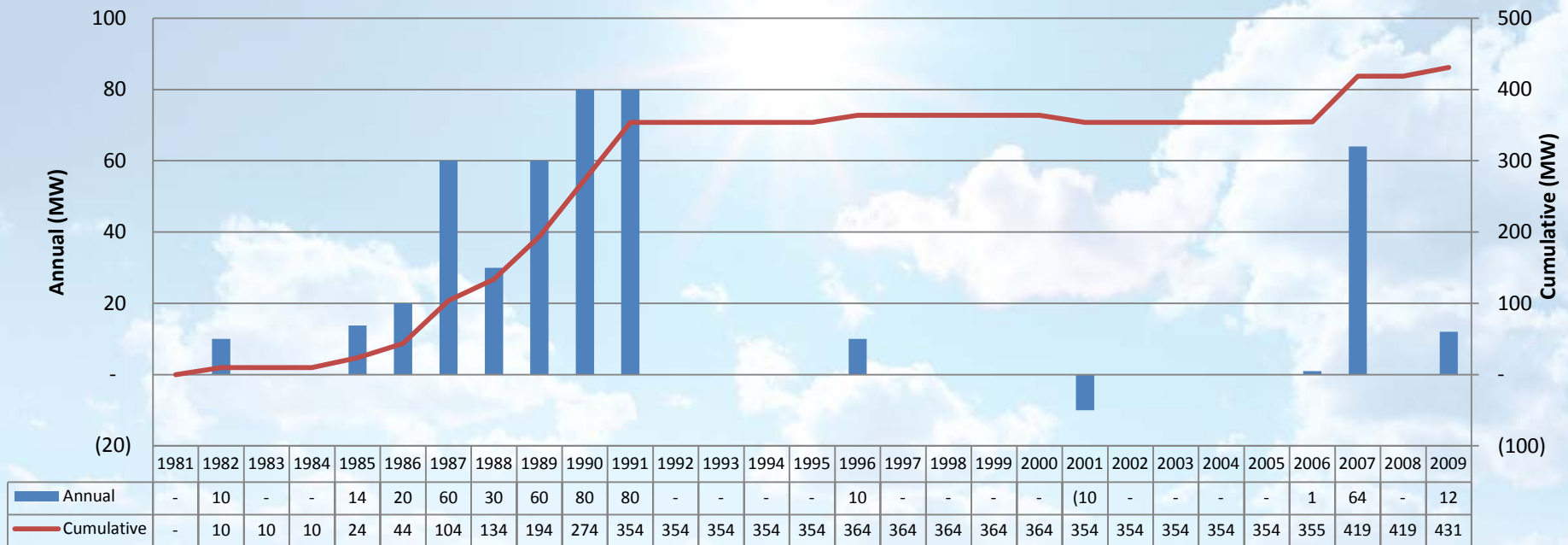
Cumulative Solar Thermal Capacity



CSP Shows Rebirth Following 3 Decades of Sporadic Activity

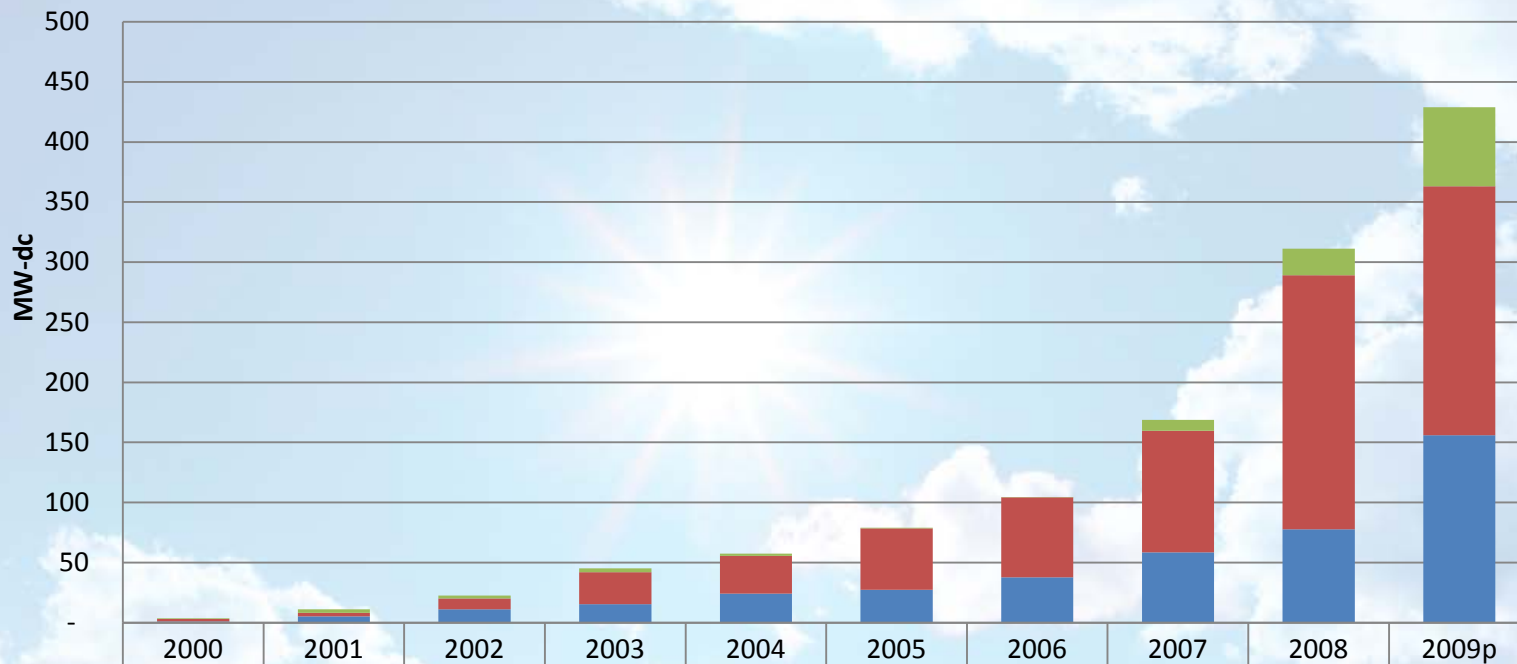
- CSP plants have been in continuous operation in the U.S. since 1982.
- The U.S. has more total CSP capacity than any other country.

CSP Capacity



2009 Featured Strong Growth in the Residential and Utility Markets

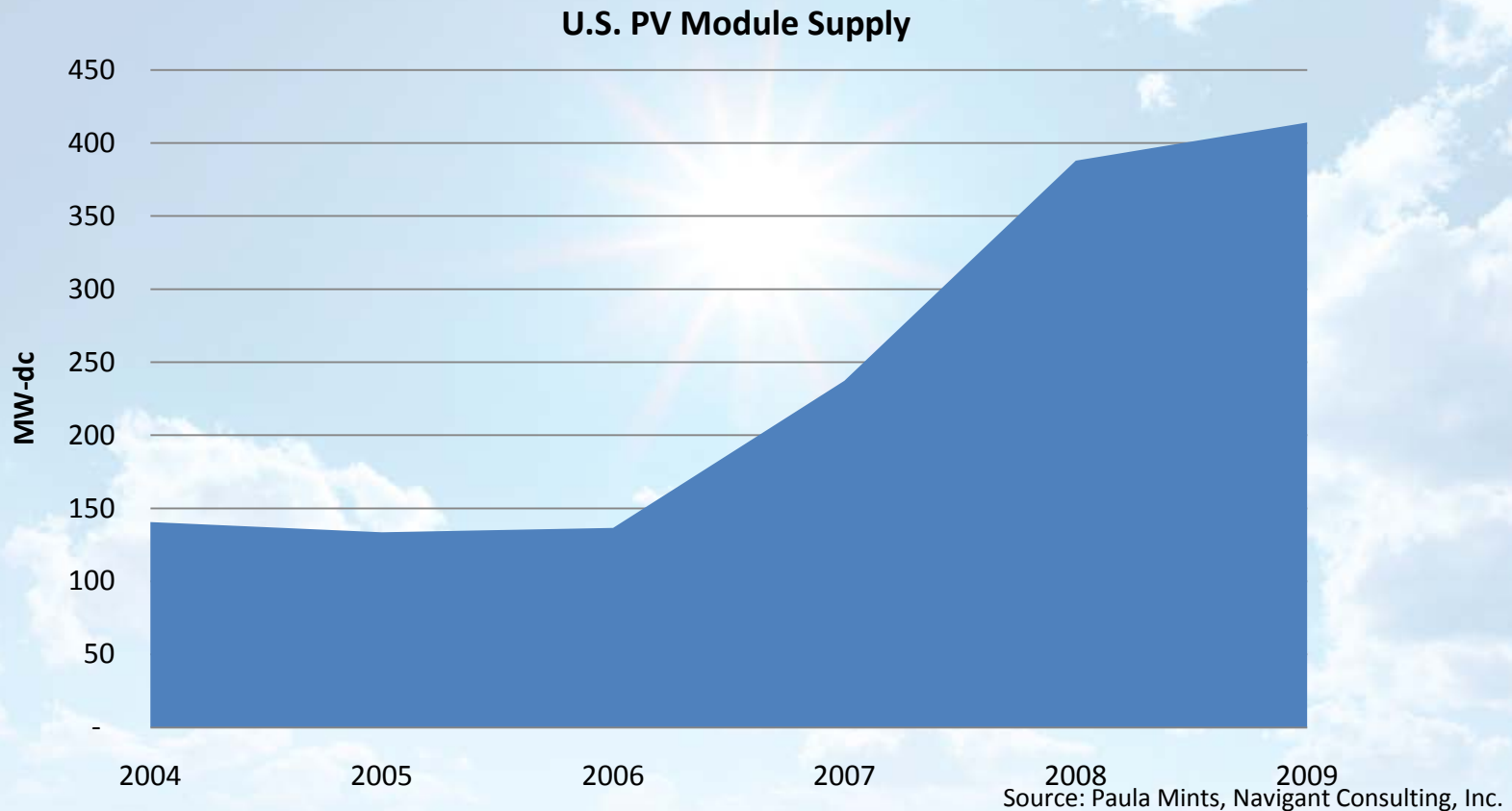
New Grid-Tied PV Installations



	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009p
Utility	0	3	2	3	2	1	0	9	22	66
Non-Residential	2	3	9	27	32	51	67	101	211	207
Residential	1	5	11	15	24	27	38	59	78	156
Total	4	11	23	45	58	79	105	169	311	429

U.S. PV Module Manufacturing Grew in 2009 Despite Recession

- Solar was a positive outlier in 2009 as the global recession hobbled growth plans.
- Solar manufacturing grew 7% in 2009.



State Solar Electric Grid-Tied Capacity Rankings

2009 New Capacity (MW)		
1	California	220
2	New Jersey	57
3	Florida	36
4	Arizona	23
5	Colorado	23
6	Hawaii	14
7	New York	12
8	Massachusetts	10
9	Connecticut	9
10	North Carolina	8
	Other	29
	Total	441

2009 Cumulative Capacity (MW)		
1	California	1,102
2	New Jersey	128
3	Nevada	100
4	Colorado	59
5	Arizona	50
6	Florida	39
7	New York	34
8	Hawaii	27
9	Connecticut	20
10	Massachusetts	18
	Other	78
	Total	1,653

Growth Driven By Combined Factors

- Strong policies at the state and federal level (solar investment tax credit, removal of \$2,000 residential cap, Treasury Grant Program)
- Declining prices (PV module prices down more than 40 percent)
- Strong interest (92 percent of Americans think it is important for the U.S. to develop and install solar)

Creating a Level Playing Field for Solar

SOLAR
Bill of Rights

HOME TELL A FRIEND IN THE NEWS GO SOLAR SEIA CONTACT US SIGNERS

IF YOU WANT A SOLAR-POWERED AMERICA, SIGN THE SOLAR BILL OF RIGHTS NOW.

1,764 people have signed on to the Solar Bill of Rights.

By signing the Solar Bill of Rights, you can join thousands of other Americans in urging lawmakers in Washington to give the U.S. solar industry a fair competitive environment. Solar energy is a clean, reliable energy source that is creating tens of thousands of American jobs that can't be exported. The solar industry is ready to power America now, but we need the right policies in place to deploy more solar, sooner. The eight rights below outline what our nation needs to create a policy environment that allows solar to compete on a level playing field with fossil fuel sources.

1. Americans have the right to put solar on their homes and businesses...[more](#)
2. Americans have the right to connect their solar energy system to the grid with uniform national standards...[more](#)
3. Americans have the right to net meter and be compensated at the very least with full retail electricity rates...[more](#)
4. The solar industry has the right to a fair competitive environment...[more](#)
5. The solar industry has the right to produce clean energy on public lands...[more](#)

Multimedia

Rhone Resch Declares Solar Bill of Rights at Solar Power International

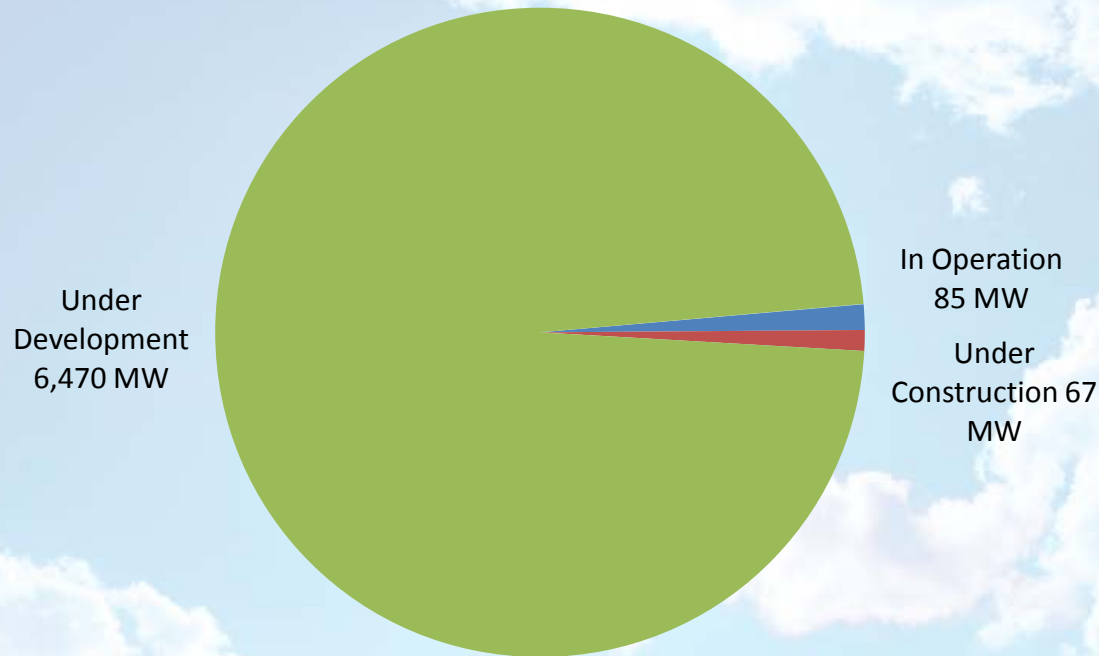
News & Developments

Flow Mound HOA drops lawsuit over solar panels on home (04/13/2010 - Dallas Morning News)

www.SolarBillofRights.org

6.5 Gigawatts (GW) of Utility-Scale PV Projects in the Pipeline in the U.S.

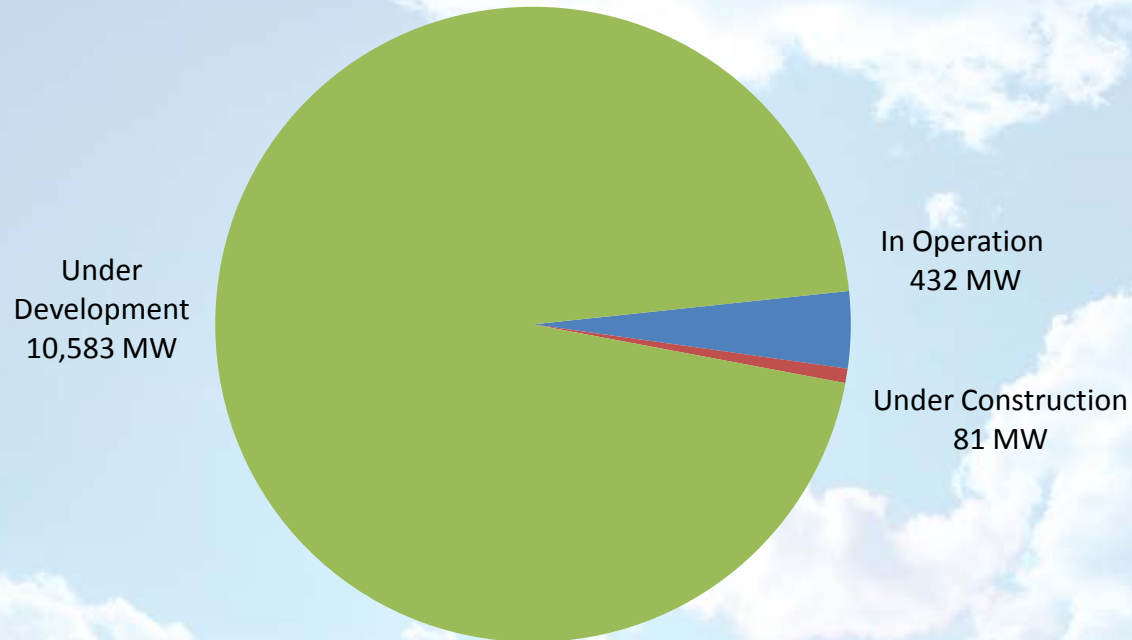
Utility-Scale PV Project Pipeline



- PV is poised to go big.
- Over 6,500 MW of utility-scale projects are now in the works.
- Some of the largest projects in the world will begin construction in the U.S. this year.
- Rooftop installations will remain strong.

Nearly 11 GW of CSP Projects in the Pipeline in the U.S.

CSP Project Pipeline by Status

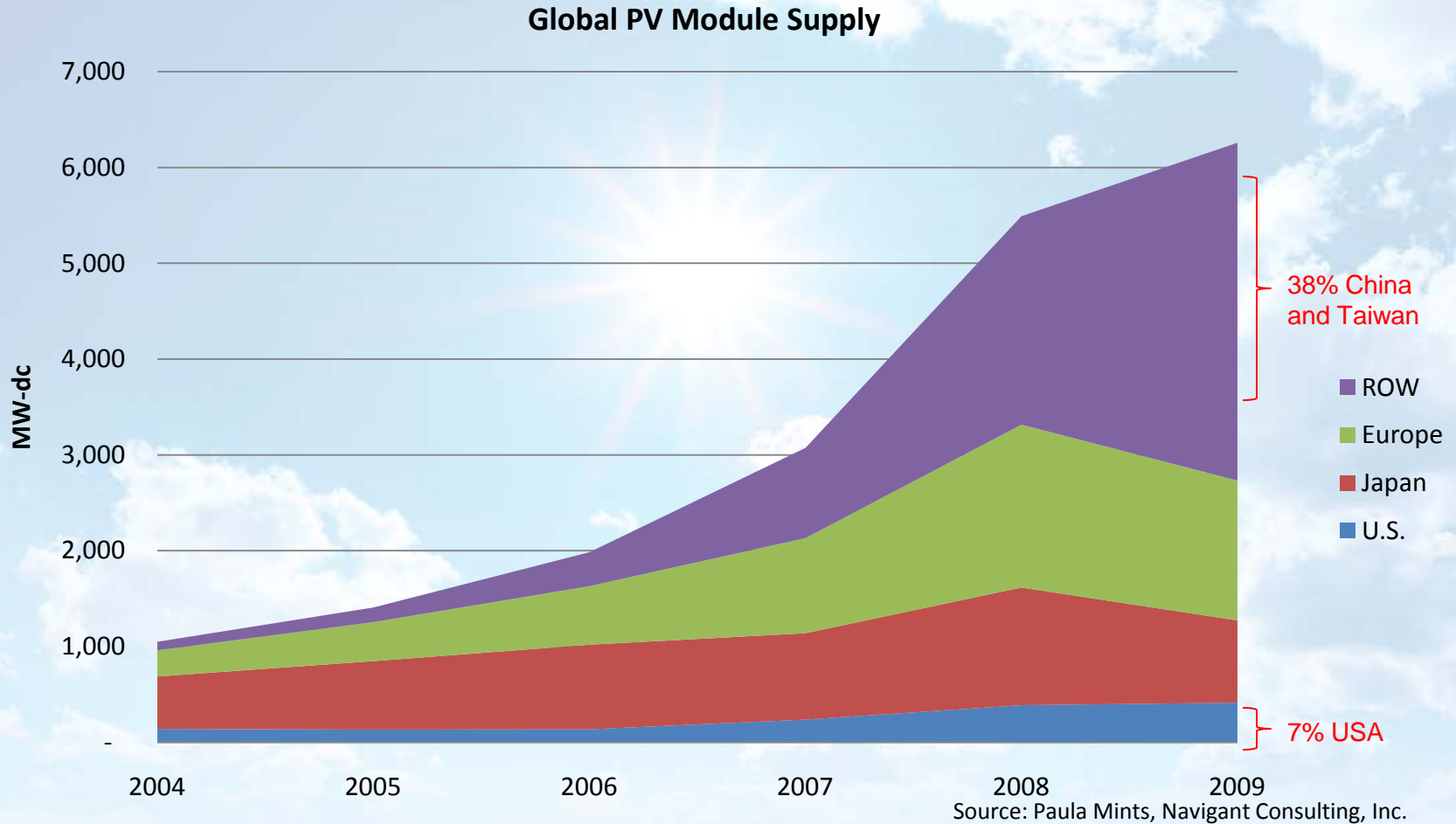


SEIA, 2/19/10

- Dozens of CSP projects totaling over 10,500 MW are now under development.
- The US has more operating CSP capacity than any other country.

U.S. Needs to Reclaim Position as Global Leader in PV Manufacturing

- In the 1980's the US was the dominant PV manufacturer.



Panelists



- Jonathan Bass, Director of Communications, SolarCity



- Ron Kenedi, Vice President, Sharp Solar



- Bryan Ashley, Chief Marketing Officer, Suniva



- Freeman Ford, Founder and Chairman, FAFCO



- Marc Ulrich, Vice President, Southern California Edison



- Julie Blunden, Vice President, SunPower Corp.