



# Kern Energy Summit

Presented By Jack Pigott

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# First Solar at a Glance



Over 10GW installed worldwide and over 3GW contracted pipeline



Cost competitive with conventional energy sources today



Over 2,000 MW installed and serving California alone



Largest vertically integrated utility-scale developer in the industry



Strongest financial stability & bankability in the industry



U.S. Company founded in 1999 and publicly traded on Nasdaq (FSLR)

# We've Come a Long Way!

1995

Solar Cells,  
Inc.  
FS50

- 50 Watt
- 6.9% Efficiency

2006

FS Series 2

- 75 Watt
- 10.4% Efficiency
- Edge seal improved durability

2013

FS Series 3  
Black Plus

- 95 Watt
- 13.2% Efficiency
- Lower degradation
- Thresher, Long Term Sequential Harsh Climate Reliability

2015

FS Series 4V2

- 115 Watt
- 16% Efficiency
- Designed for 1500V systems
- Higher Energy Density than multi c-Si

WORLD  
RECORD  
Module

- 130Watt
- 18.2% Efficiency
- Highest efficiency thin-film module in the world
- Higher efficiency than



# First Solar Technology in Kern County and the Antelope Valley<sup>1</sup>: 953MW

## Kern County and AV Projects with First Solar Technology:

- ✓ **340MW** of Projects Operating
- ✓ **215MW** of Projects in Active Construction
- ✓ **340MW** of Projects in Development

SB 350 – 50% RPS will require the equivalent of 18,000 – 34,000 MW of new solar

- In Operation
- Under Construction
- In Development



<sup>1</sup>Some projects in Antelope Valley are located in Los Angeles County

# Solar Development in Kern County

Kern County's advantages:

- Strong solar insolation
- Upgraded transmission infrastructure
- Supportive governmental and regulatory policies and agencies
- Available developable land

What is needed:

- Access to TRTP substations
- Additional transmission infrastructure in eastern Kern
- Continued County support for renewable development





