



MAP LEGEND

- Coal Mine, Surface
- Coal Mine, Underground
- Natural Gas Hub
- Petroleum Refinery
- Oil Import Site
- Oil Seaport
- Electricity Transmission Line (>= 345 kV)
- Natural Gas Flow
 (1 mile band width =
 100 million cubic feet/day)
- Oil and Gas Active Leases

MAJOR ELECTRIC POWER PLANTS (>=100 MW)

- ▲ Coal
- Petroleum
- Geothermal
- 😂 Solar
- Hydroelectric
- × Wind
- ▼ Natural Gas
- **★** Wood
- Nuclear
- Other Renewable

RENEWABLE ENERGY POTENTIAL

- Biomass
- Solar
- (>= 50 tons/sq km/yr) (>= 6.0 kWh/m2/day)
- Geothermal
- /// Wind
- (>= 80 milliwatts/m2)
 - (>= 3 Power Class)
- 🏠 Mouse over symbols for more details.

Jobs are key

- Since 2010, 12 companies have located or expanded
- 1,937+ in jobs
- \$1.049 billion of capital investment

Source: Arizona Commerce Authority





Arizona Corporation Commission

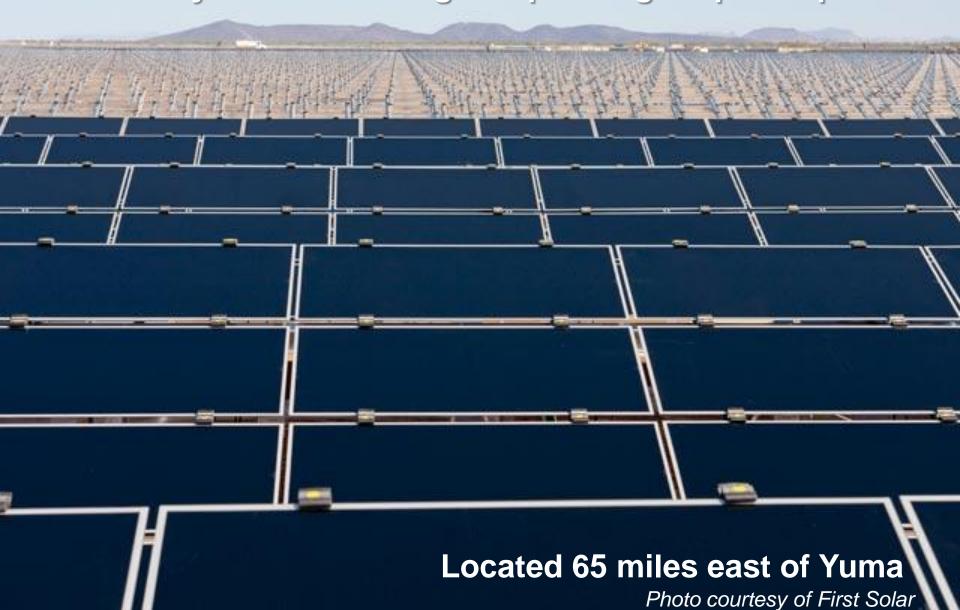
- 2006 Commission approves Renewable Energy Standard and Tariff (REST).
- Requires regulated electric utilities must generate 15 percent of their energy from renewable resources by 2025.
- 30 percent is a "carve out" for distributed energy.
- Utilities on track to meet these goals.

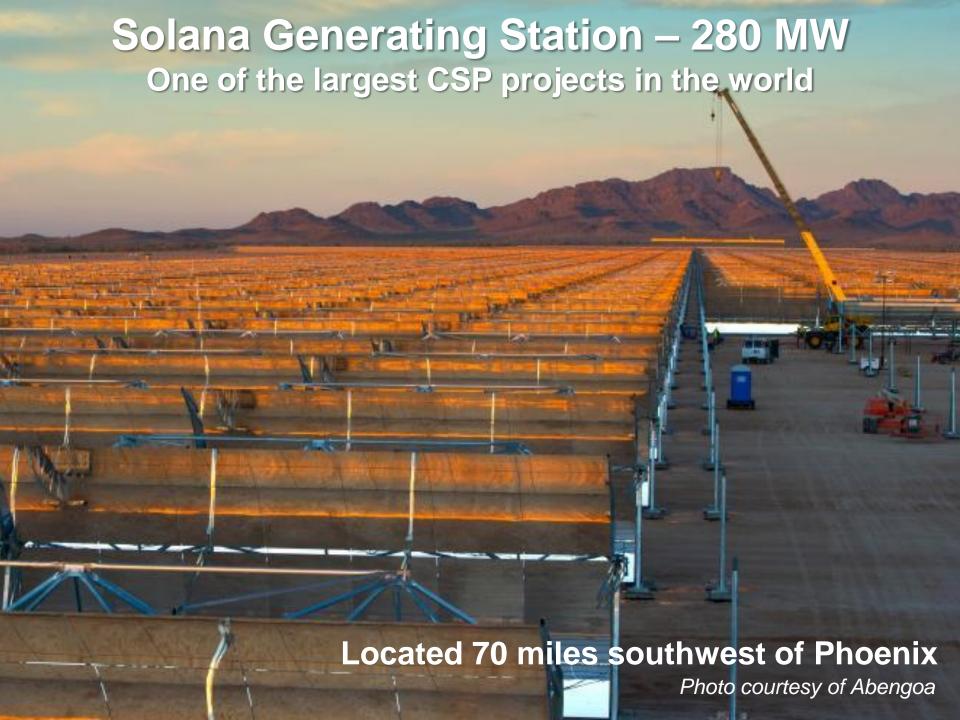
Mesquite Solar – 150MW Completed in January 2013

Located 60 miles southwest of Phoenix

Photo courtesy of Sempra Energy

Agua Caliente Generating Station — 290MW Currently the world's largest operating PV power plant









Governor Jan Brewer, Kevin Walsh of GE EFS, Paul Segal, of LS Power, Matt McSorely of Fluor and Jim Avery of San Diego Gas & Electric

J.S. Solar Market Insight Photovoltaics (PV)

Note: Historical and forecasted installation figures by state and by market segment, as well as state-bystate market analysis, are available in the full report

Figure 2.2 Top States by Annual PV Installations

	Rank (2012)	Rank (2011)	Installations (2012)	Installations (2011)		
California	1	1	1,033	577		
Arizona	2	3	710 273			
New Jersey	3	2	415 313			
Nevada	4	10	198	44		
North Carolina	5	8	132	55		
Massachusetts	6	12	129	31		
Hawaii	7	11	109	40		
Maryland	8	13	74	22		
Texas	9	9	64	44		
New York	10	7	60	60		
Pennsylvania	11	6				
Colorado	12	5				
Illinois	13	24				
Tennessee	14	16				
Oregon	15	17				
Ohio	16	14				
Florida	17	18				
New Mexico	18	4	COMPLETE DATASET, INCLUDING BREAKDOWN BY			
Delaware	19	15	MARKET SEGMENT, AVAILABLE IN FULL REPORT			
Vermont	20	20				
Connecticut	21	23				
Georgia	22	19				
Missouri	23	25				
Washington	24	21				
Washington DC	25	25				
Wisconsin	26	22				
			3,313	1,887		

•First time
Arizona ranks
2nd in U.S.

•2012 – 710 MW in solar installations

Installed More
 Utility-Scale
 Solar than Any
 Other State in
 2012

Source: Solar Energy Industries Association

Arizona Military Bases

Solar installation at Davis Monthan Air Force Base in Tucson from Lend Lease and SolarCity

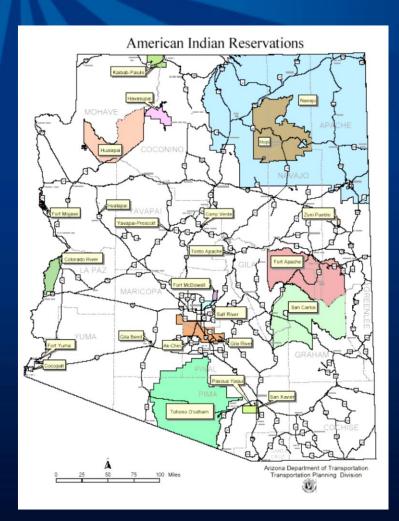


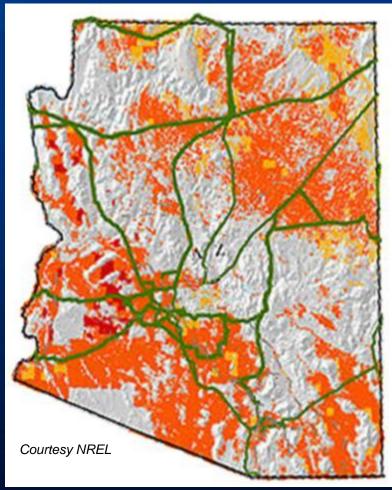
Luke Air Force Base, west of Phoenix (15 MW)

Courtesy NREL



And Arizona's Tribal Solar Potential





Solar and Renewable Energy Workshop

18th Annual Indian Nations and Tribes Legislative Day

Arizona State Capitol - Tuesday, February 5th, 2013

AGENDA

	8:30 -	1:00	Registration and Exhibitor I	Fair
--	--------	------	------------------------------	------

11:00 - 12:00

Joint Protocol Session - Senate

- Posting of Colors Yavapai Apache Nation Color Guard
- o Pledge of Allegiance Ms. Devanie Duwyenie, Miss Indian Arizona
- Invocation
- Opening Remarks
 - Senator Andy Biggs Senate President
 - Representative Andy Tobin Speaker of the House
- Featured Speakers
 - Chairman Terry Rambler, San Carlos Apache Tribe
 - Vice-Chairman Tim Hinton, White Mountain Apache Tribe
 - Chairman, LeRoy Shingoitewa, Hopi Tribe

12:00 - 1:00 Luncheon - Senate Lawn

1:30 - 3:30

Afternoon Workshop Topic: Solar and Renewable Energy – Capitol Museum,

Old Senate Room (3rd Floor)

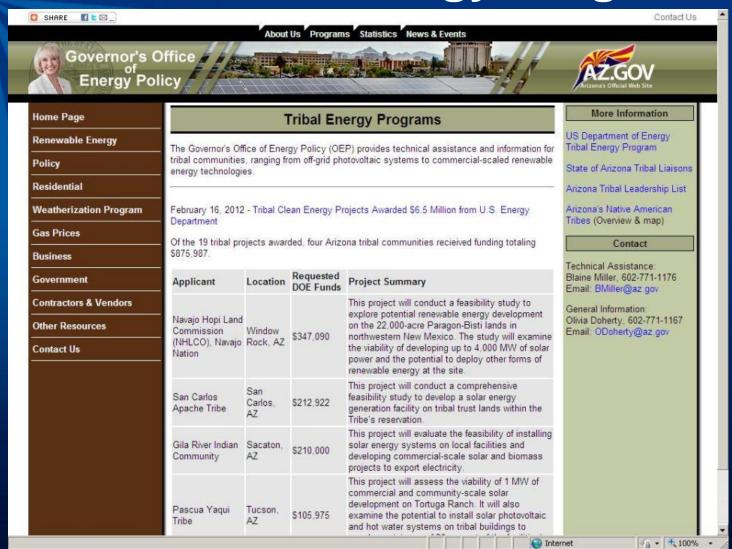
Moderator: Leisa Brug, Governor's Office of Energy Policy

- Ken Duncan, Jr. San Carlos Apache
- Ivan Gamble Navajo Nation
- Raymond Maxx Navajo Nation
- Sheila Shedd AZ Commerce Authority
- Debby Tewa Central Arizona College



Hosted by the Arizona Commission of Indian Affairs

Arizona Tribal Energy Programs



Arizona's Master Energy Plan

- Four Work Groups composed of key energy industry leaders are in progress.
- Work Groups are hosted by the four areas in Arizona State government that have input in energy policy in Arizona.

Group Host: Governor's Office of Energy Policy Work Group: Environment, Natural Resources & Land Use

Group Host: Arizona Corporation Commission
Work Group: Business Development, Regulation & Workforce

Group Host: Arizona State Senate/House of Representatives Work Group: Transportation, Fuels & Infrastructure Planning

Group Host: Arizona Commerce Authority
Work Group: Technology Development

Timeline –

2012

Dec Aug – Sep Nov

> Meet with group hosts & leaders

> > May - Jul 2012

- Conduct 8-state policy analysis
- Partner with ASU
- Series of meetings

2013

Jan – Feb

Mar – Apr May – Aug

Sep

Nov

Dec

Official announce ment

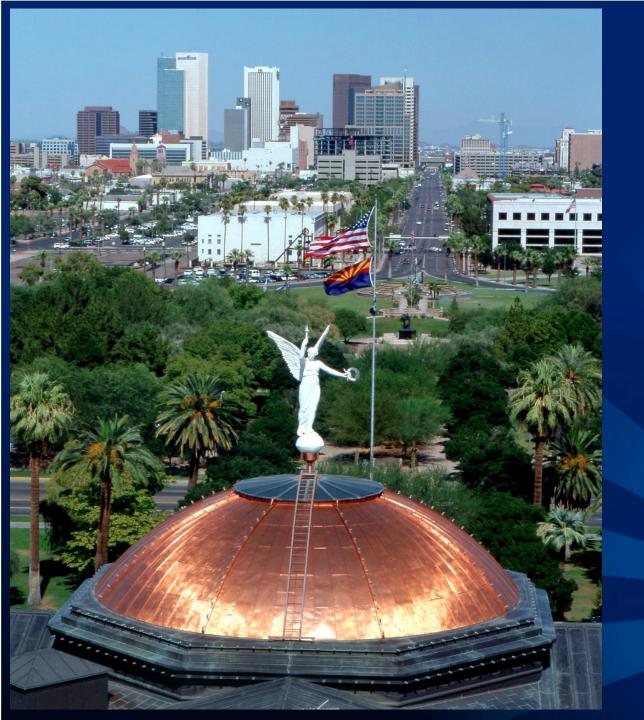
Meetings begin

First Drafts due

> Stakeholder Meetings Additional input

Final **Draft** approved by Task Force

> MEP Put **Forward** Dec. 20, 2013



"Arizona was made for solar energy."

Governor Jan Brewer

March 27, 2013

For more information:

Olivia Doherty
Senior Policy Coordinator

(602) 771-1167 ODoherty@az.gov