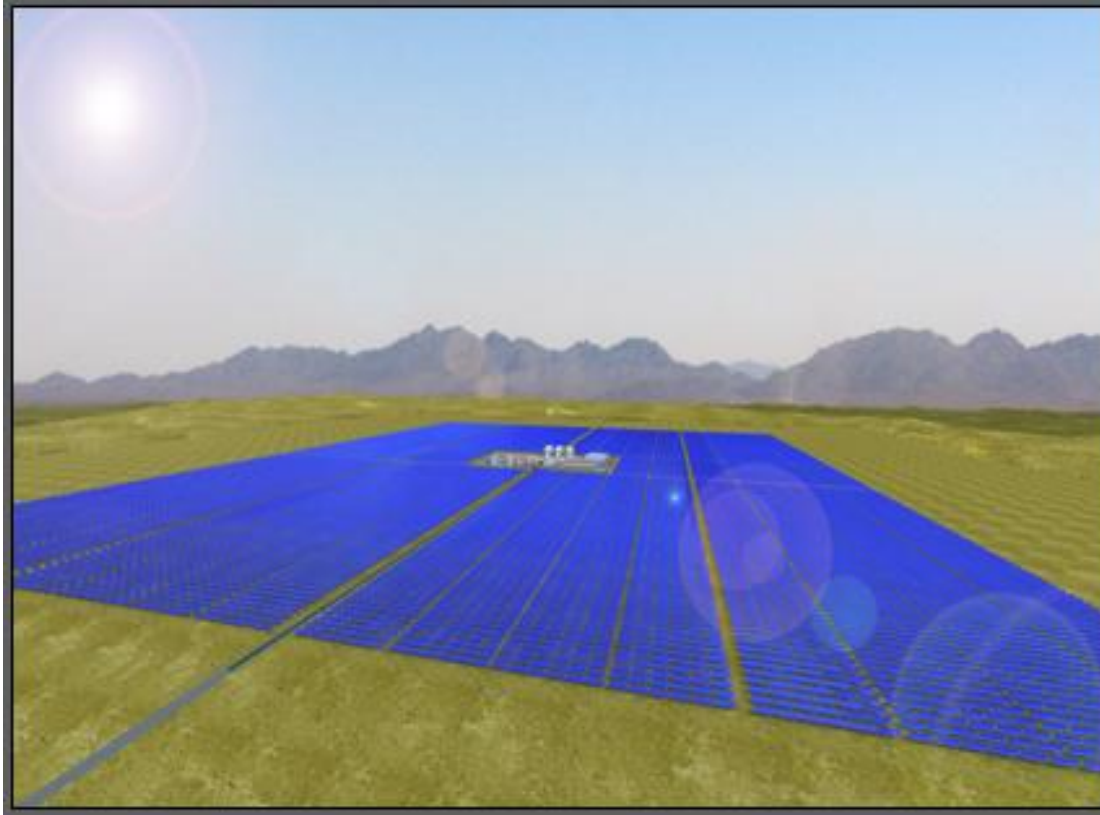


ABENGOA SOLAR

Solar Power for a Sustainable World



Arizona Energy Conference

Update:
Solana Project

27 January, 2010
Phoenix, Arizona

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A Little About Abengoa Solar

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Project Overview: Facts & Figures

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Future Projects: Barriers and Opportunities

Abengoa is a technology and project development company applying innovative solutions for sustainable development in infrastructure, environment and energy sectors.

- Mature** Founded 1941
- Profitable** Sales in 2008 of \$5 billion US
- Focused** Innovative Solutions for long term Sustainability
- Global** Present in more than 70 countries, 64% of business outside Spain
- Large** Over 23,000 employees
- Public** Quoted on the Madrid Stock Exchange (ABG)





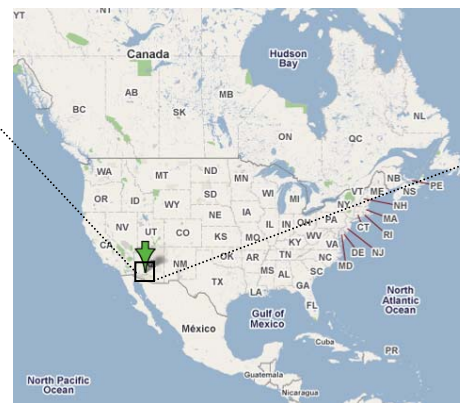
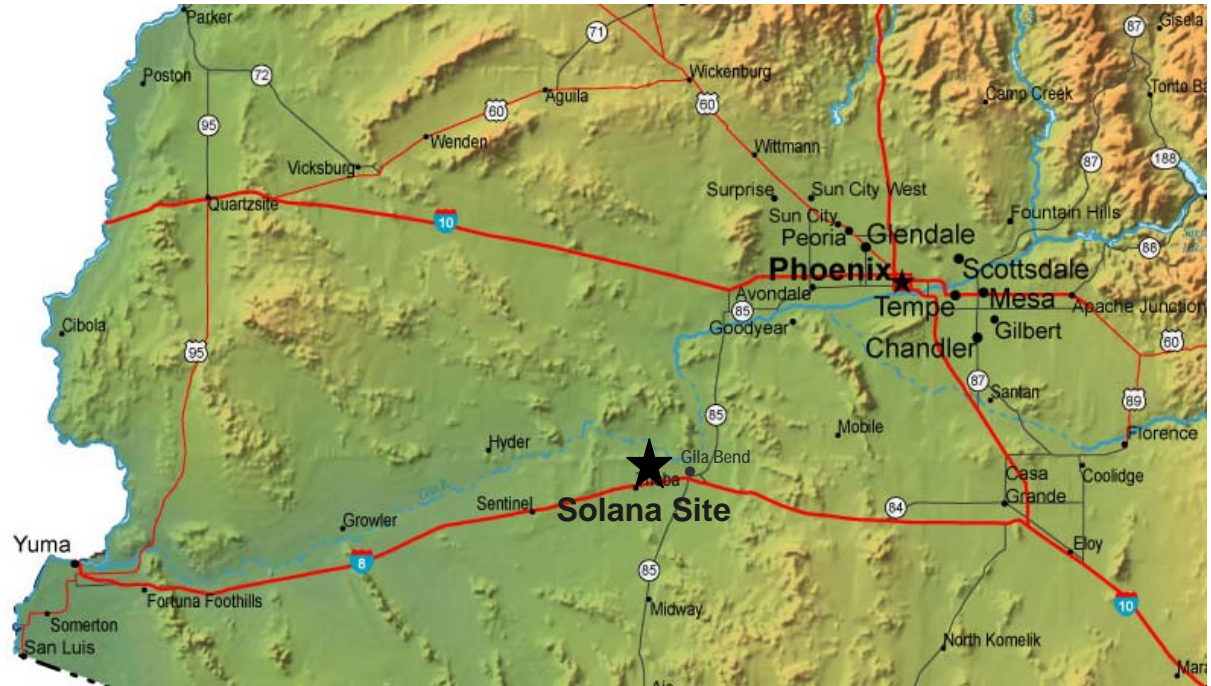
“You can create jobs, you can put Arizona at the forefront of new technology that can be sold around the world and you can help the environment at the same time.”

-Governor Janet Napolitano

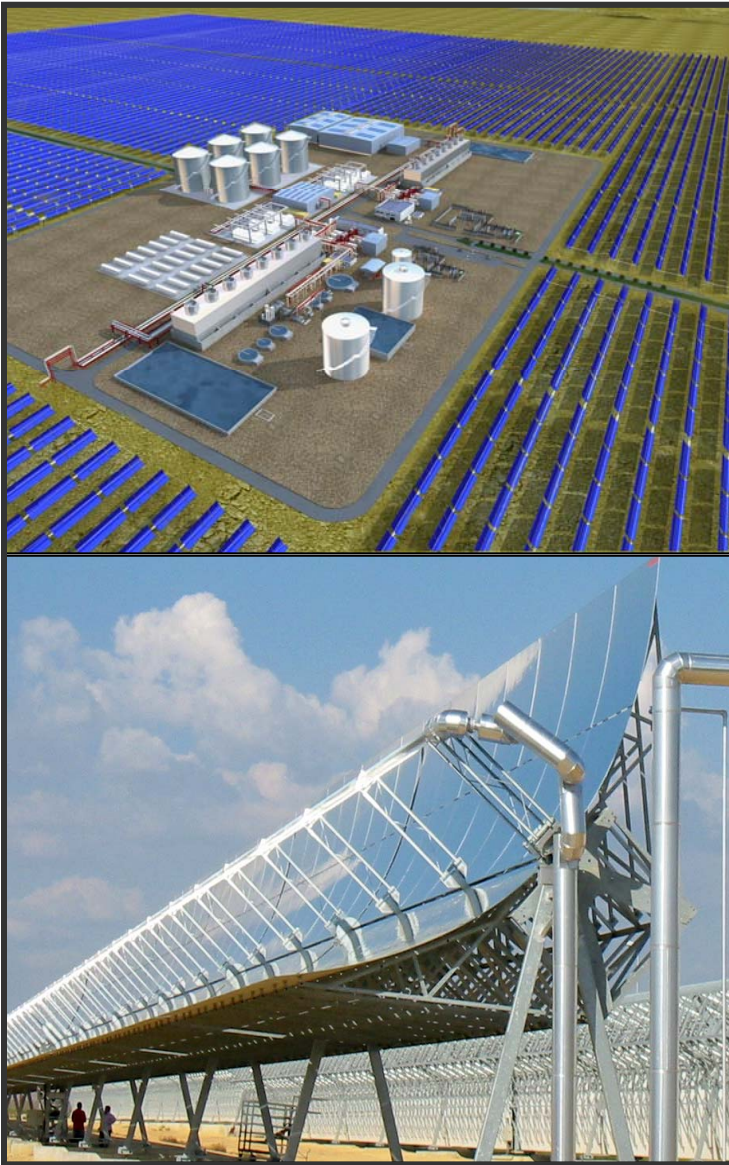


Site Location:

The Solana site is located west of Gila Bend, AZ, approximately ~70 miles southwest of Phoenix. The site is owned by Abengoa Solar's Subsidiary Arizona Solar One, LLC.



Map Extent

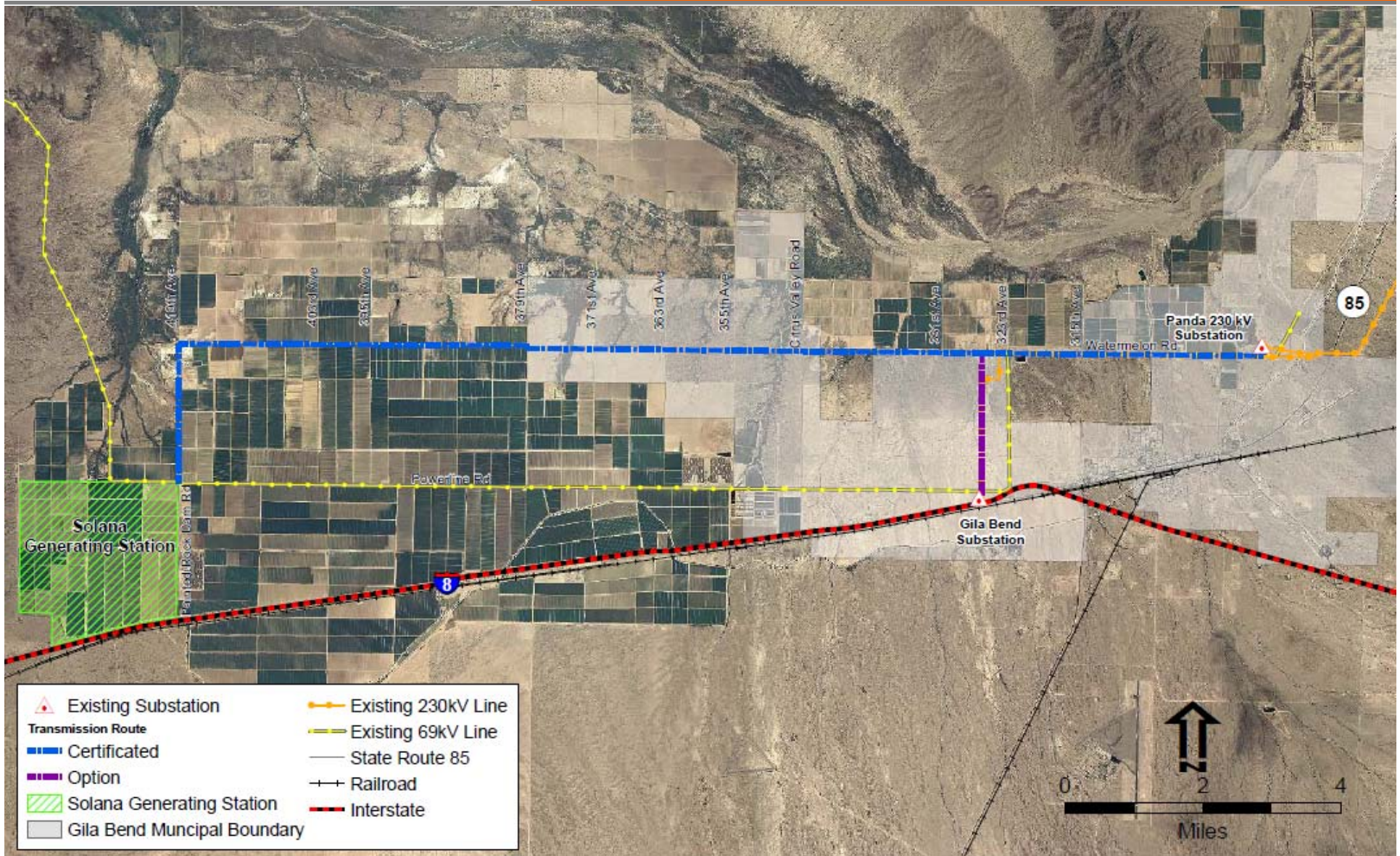


Project Facts

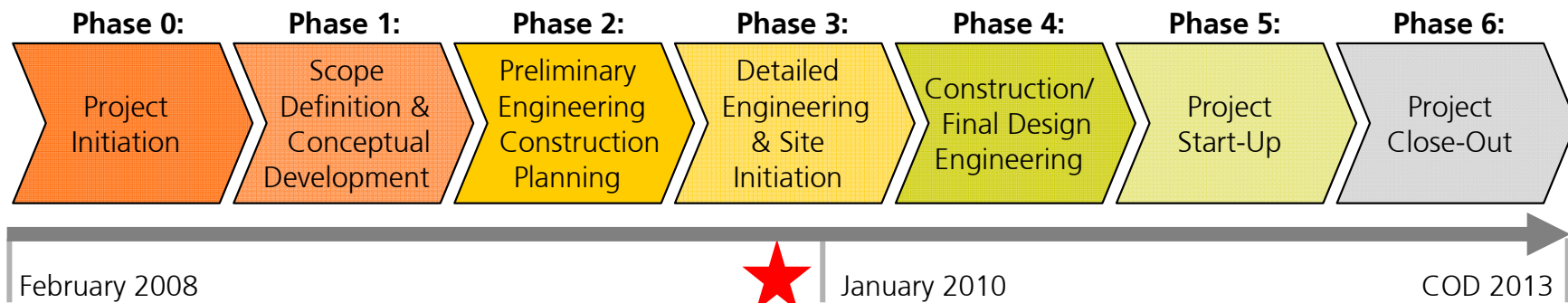
- 280 MW gross output with conventional steam turbines
- “Solar Field” will cover 1,920 acres (3 square miles) and contain ~ 3,200 trough collectors
- Collectors are ~ 18 feet wide, over 400 feet long, and roughly 19 feet in height
- Plant water consumption approximately eight times less than current agricultural use
- Thermal storage tanks allow electricity to be produced on cloudy days or several hours after sunset



Constructing Solana will require over 80,000 tons of steel – enough to build a second Golden Gate Bridge.



Project Completion Status



February 2008

January 2010

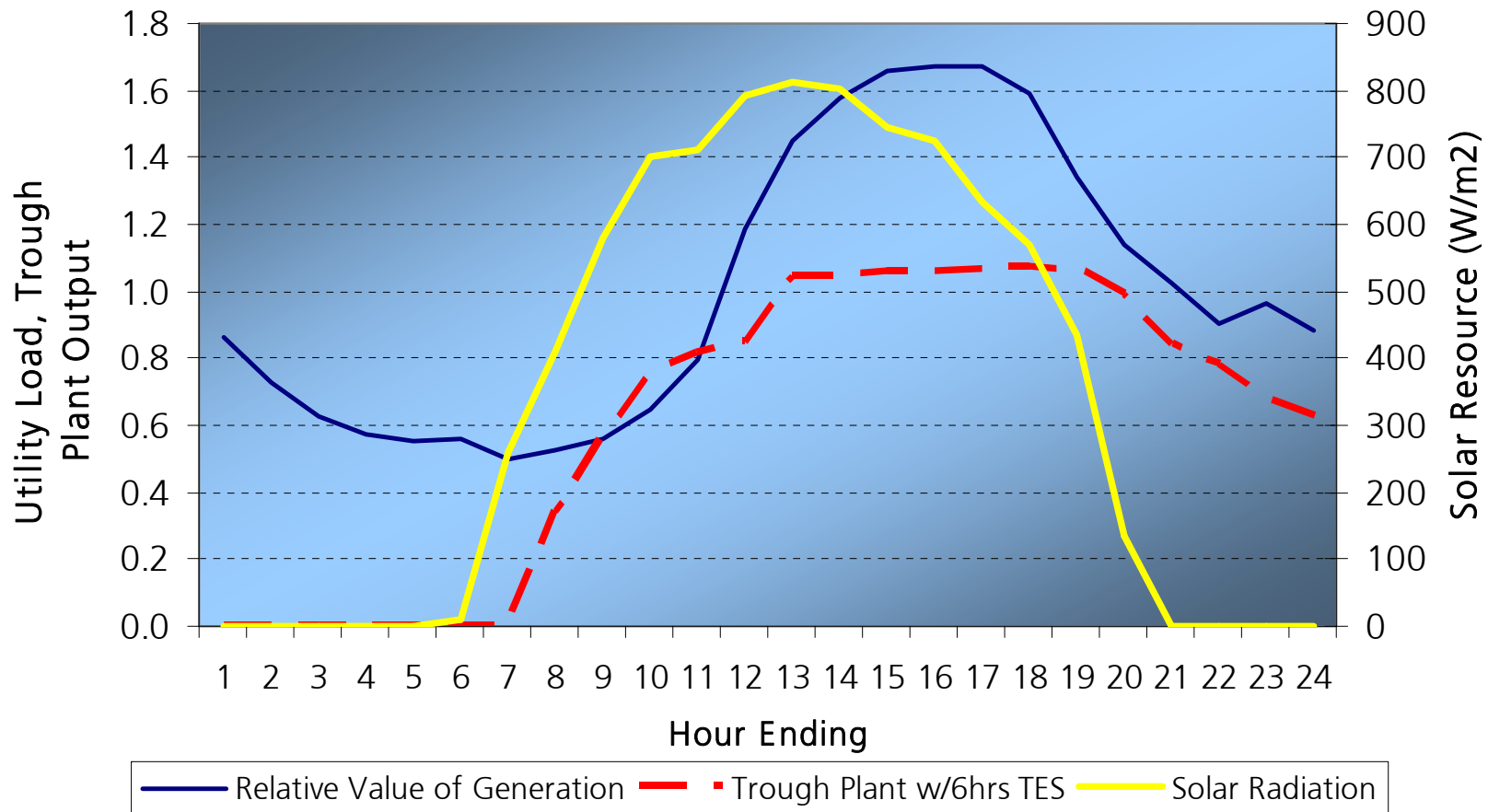
COD 2013

- Contract award
- Program set-up
- Project controls initiated
- Technical studies
- Permitting start
- Reporting frameworks

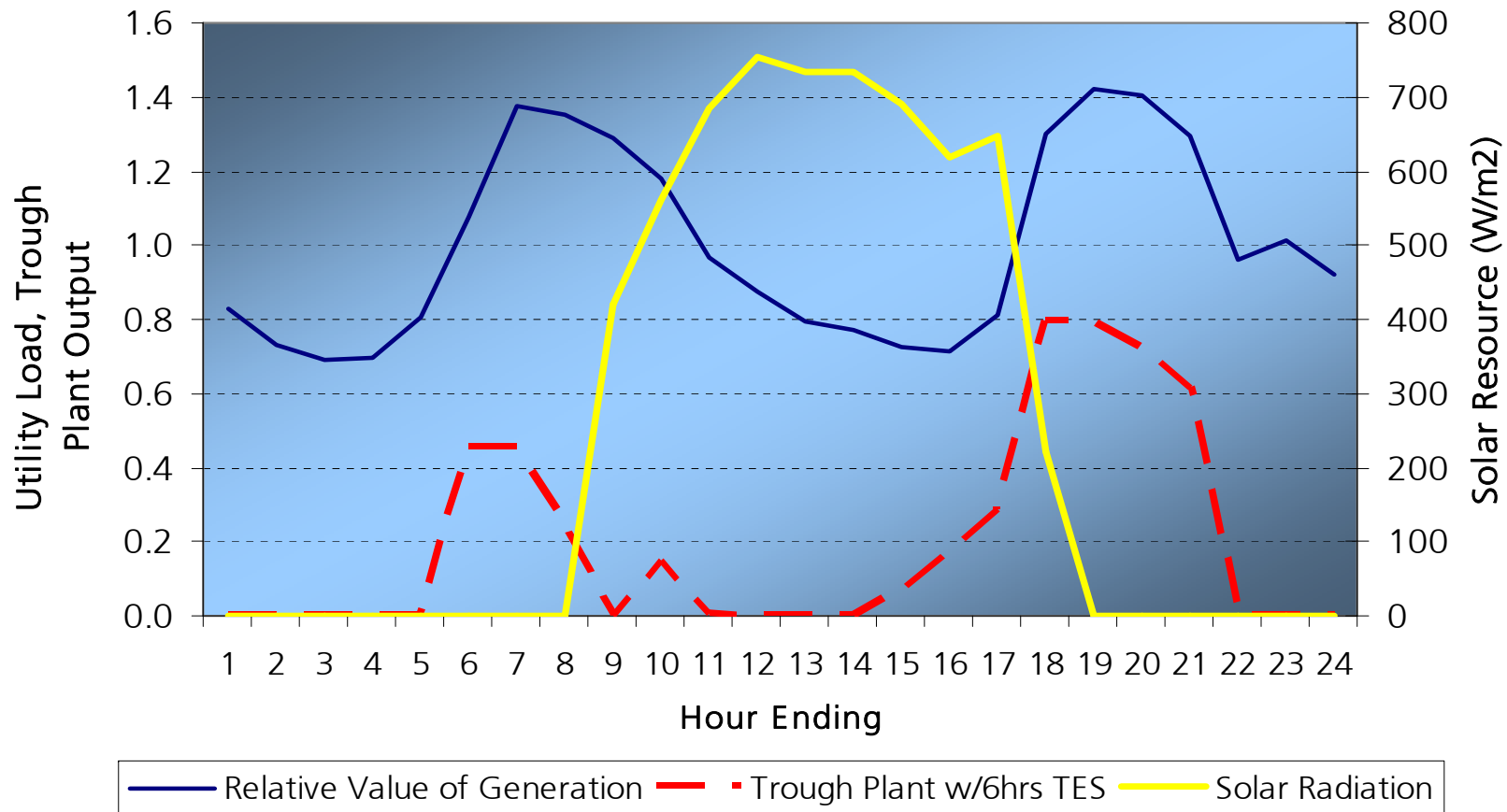
- Conceptual, preliminary, and detailed engineering
- Financing
- Permitting
- Interconnection
- Site preparation
- Procurement
- Construction

- Commissioning, testing and start-up
- Systems coordination
- Project completion reports
- Commercial operation
- Ongoing compliance

Solar Plant With Storage vs. Utility System Load July



Solar Plant With Storage vs. Utility System Load January



Environmental Benefits

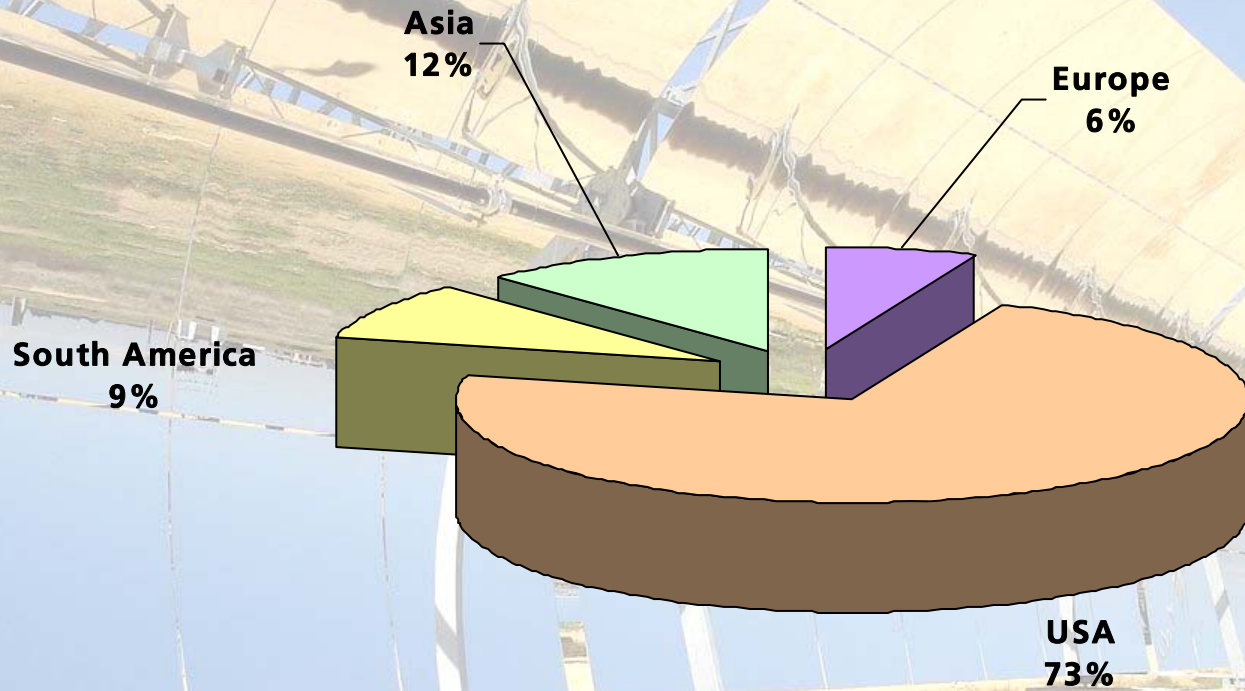
Annual Emissions Abated:

- Over 475,000 tons carbon dioxide
- 1,065 tons of nitrogen oxides
- 520 tons of sulfur dioxide

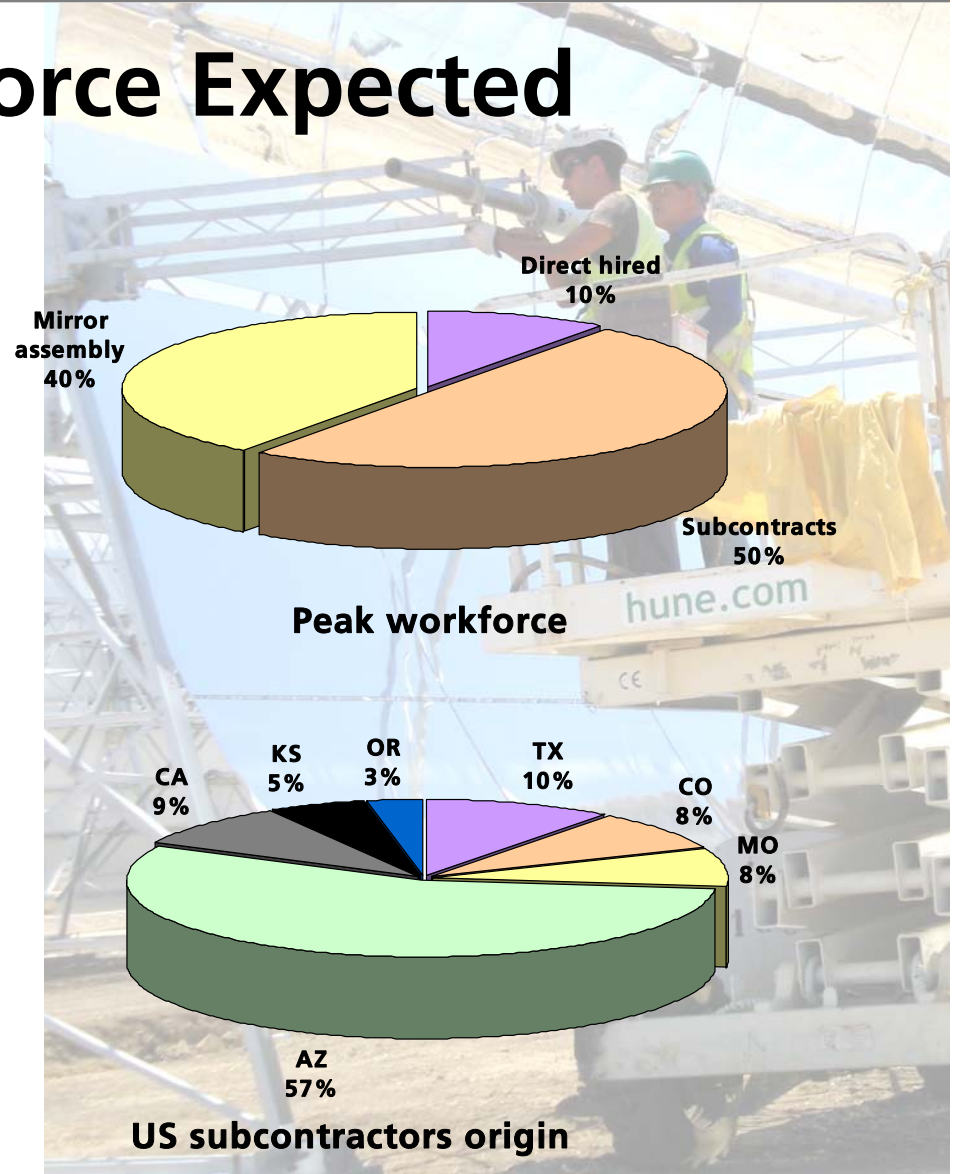
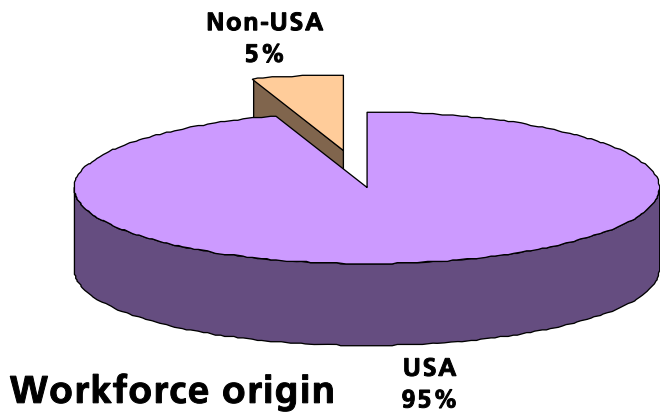
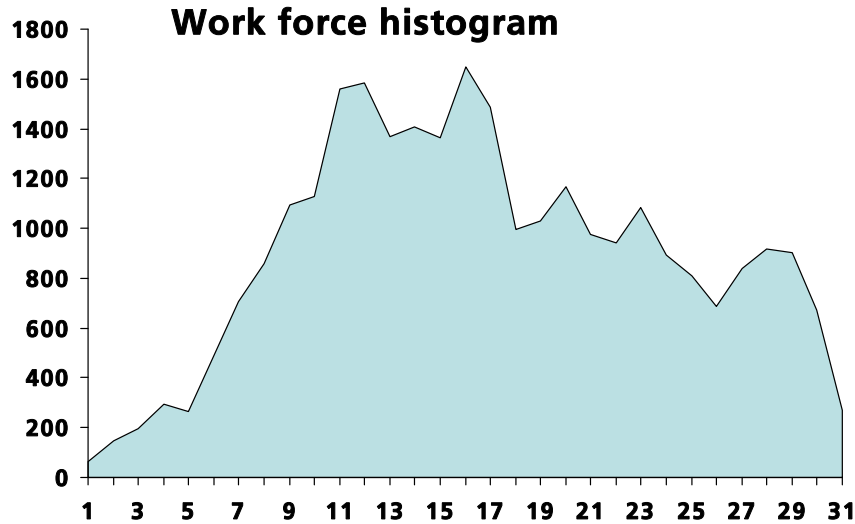
This is the equivalent to removing almost 80,000 cars from the road each year, or half the vehicles that travel on the Valley's US Highway 60 every day.



Procurement: Equipment Supply Origins



Construction Workforce Expected



Economic Benefits

- Jobs
 - 1,500 – 2,000 during construction phase
 - 85 – 100 skilled for operating
- Total Arizona benefit
 - Nearly \$1B in direct investment
- \$300M to \$400M in 30-year tax revenues
- Mirror manufacturing facility to be located in Surprise, AZ
 - Additional 180 permanent jobs created

Dec 4, 2009: Solana's Special Use Permit Filing



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