DOE Solar Program Review

Advanced Parabolic Trough Development

November 9, 2005

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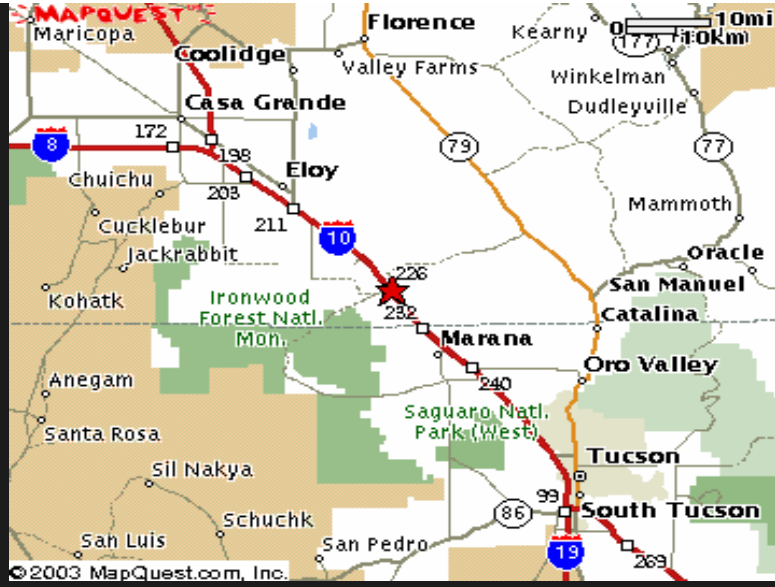
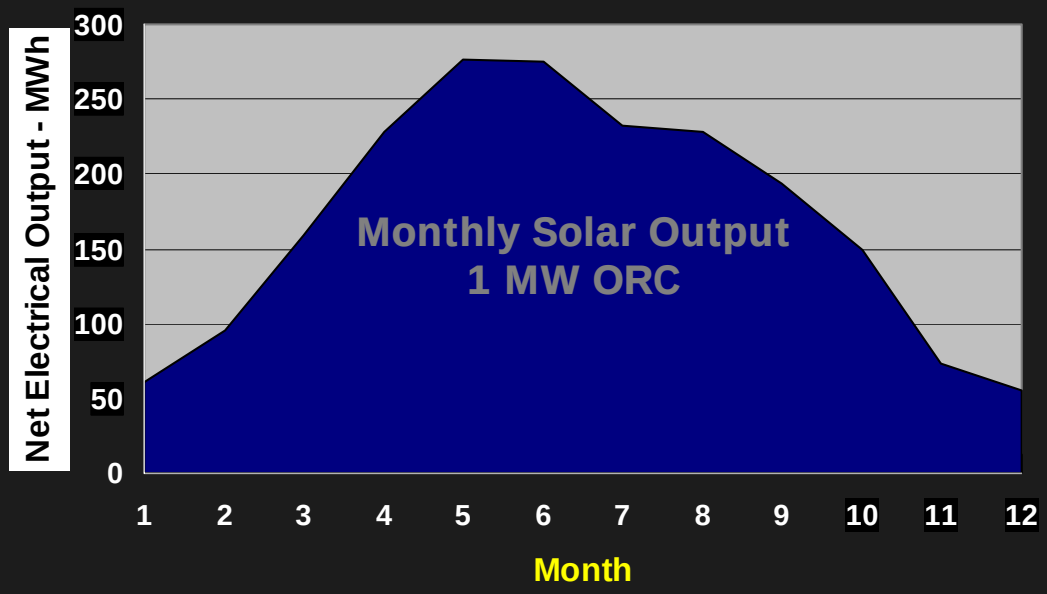
SOLARGENIX ENERGY

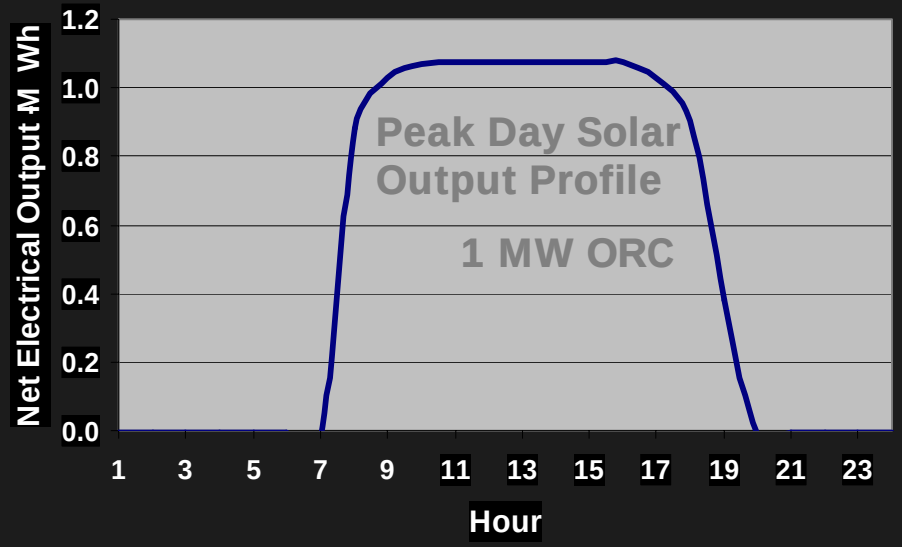
APS 1 MWe ORC Plant

2000 MWhr Generated Annually

Design SF temperatures: Cold 250F; Hot 580F





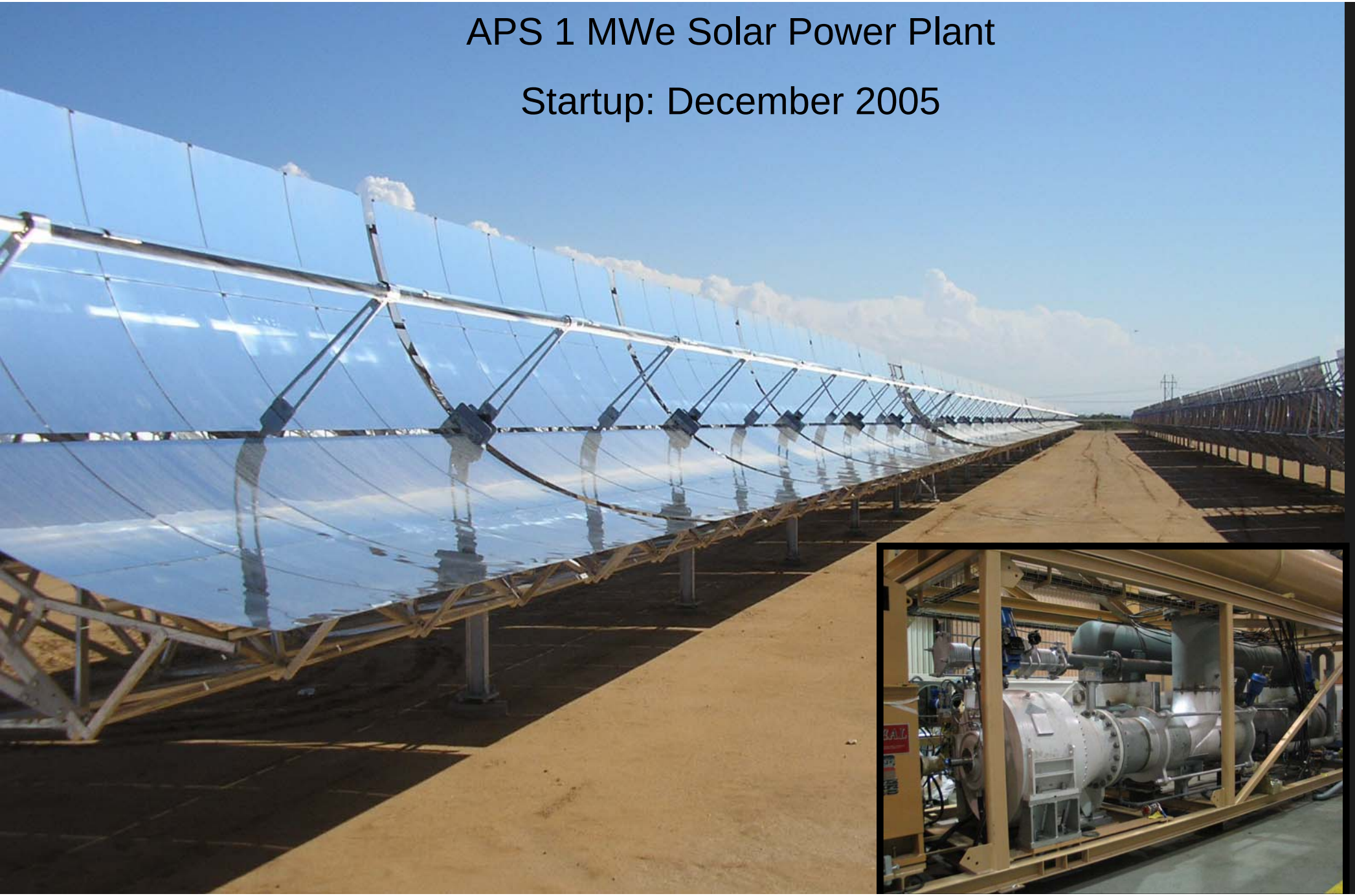


1 MW Plant Construction

Solargenix Deployment
1 MW Saguaro Solar Trough Project

APS 1 MWe Solar Power Plant

Startup: December 2005



64 MWe Solar Electric Plant: Boulder City NV

Long-Term PPA Signed

Amendment for Expansion to 64 MW Signed in June 2005

Land Lease & Development Agreement Finalized with Boulder City NV

Interconnection Study Completed and Transmission Engineering/Construction Underway

Financial Team Selected

Site Survey and Soils Tests Completed

Permitting Process Underway

Purchase of Major Components Underway

Ground Breaking: 11 February 2006

Commercial Operation: Early 2007

	APS	Nevada
Electric Capacity (net)	1 MWe	64 MWe
Solar Field Size	10,340 m^2	357,200 m^2
Number of SCAs	24 DS-1	760 SGX-1
SF Operating Temperature	300ºC	391ºC
Receiver	Schott	Schott/Solel
Power Cycle	Ormat (ORC)	Siemens (Steam)