



OVERVIEW FOR PUBLIC LANDS COMMITTEE

MAY 7, 2010

EXHIBIT H – LANDS
Document consists of 16 slides.
Entire Exhibit provided.
Meeting Date: 05-07-10

SOLARRESERVE

World class team of energy technology, finance, and power plant development experts

- Over 5,000 MWs financed and built (\$15B)
- Experienced executives from Rocketdyne, Invenergy, HSBC, UBS, AES, Bechtel, Edison, Enron, RollsRoyce, LS Power, and Sempra

Strong investor base – raised \$140 million in development capital from leading private equity clean energy investors in September 2008

United Technologies Corporation (\$52 billion revenue and market cap, 225,000 employees, A/A2 rated) is our critical component supplier

- Exclusive license – SolarReserve has the exclusive worldwide license to the UTC Molten Salt Power Tower Technology
- Superior technology – Innovative technology that provides energy storage, firm capacity, full dispatchability, with zero emissions
- Warrantee & guarantee – UTC will provide a performance guarantee for the project's critical components

Primary markets include the Desert Southwest US and Southern Europe

WHY SOLAR?

Demand for Renewables

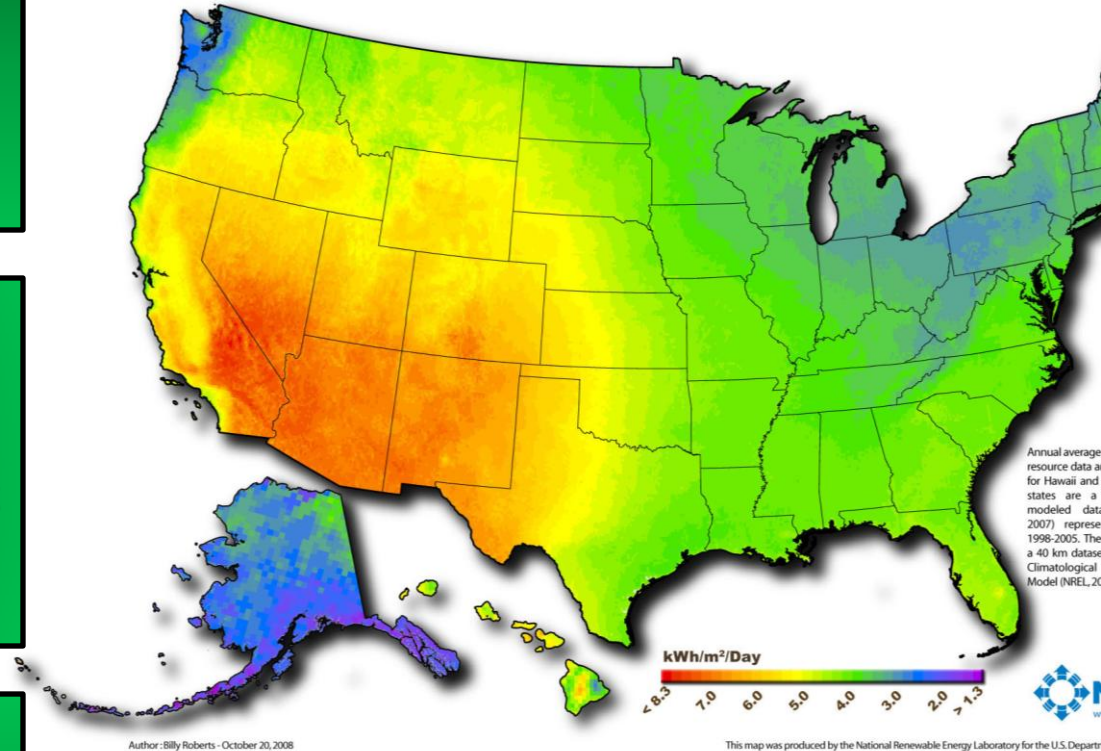
- Promotes energy independence
- Reduces reliance on fossil fuels and greenhouse gas emissions

Availability of Sun

Southwestern US has one of the best solar resources available in the world

Benefits to Market

- Solar energy is coincident with peak electricity demand
- Storage allows electricity to be generated after sundown



US Concentrating Solar Resource

TWO TYPES OF SOLAR POWER

Concentrating Solar Power (CSP)

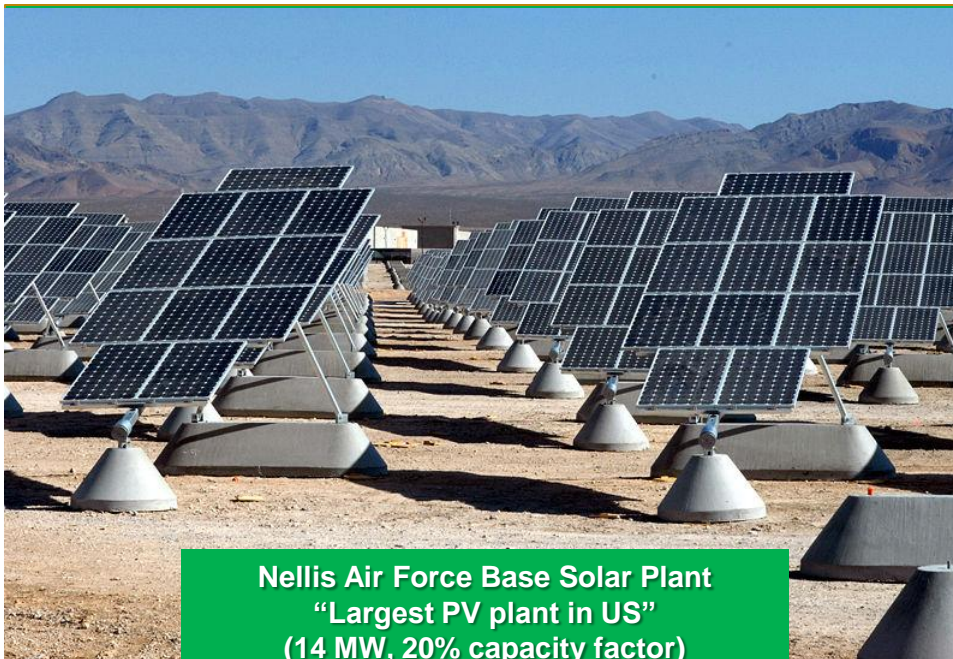
- Solar thermal uses mirrors to concentrate sunlight
- The concentrated sunlight heats a fluid to high temperatures
- A turbine or engine is used to convert heat to electricity



Tower Technology



Trough Technology

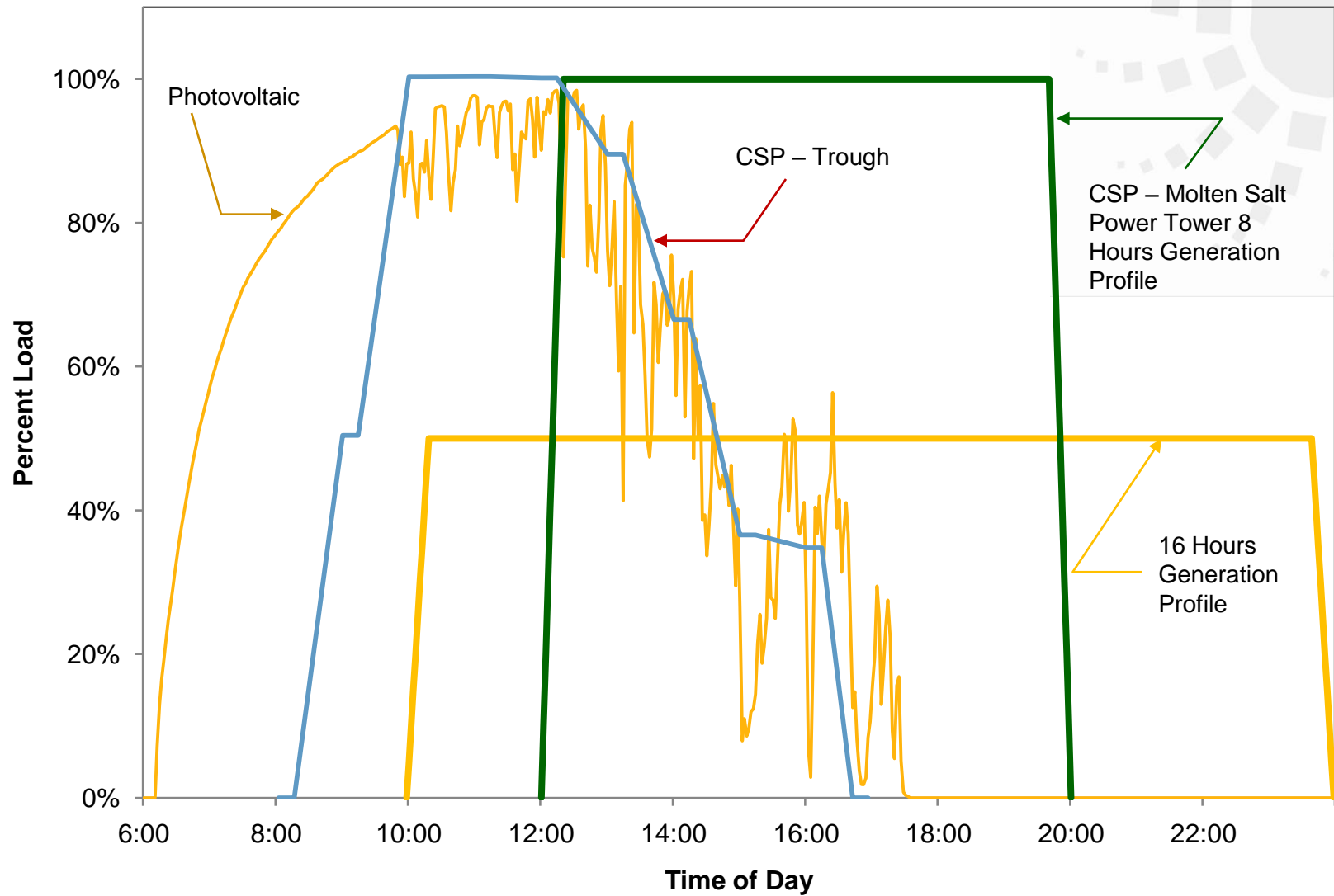


Nellis Air Force Base Solar Plant
"Largest PV plant in US"
(14 MW, 20% capacity factor)

Solar Photovoltaic (PV)

- Sunlight converted to electricity in a semiconductor material.
- An inverter converts the DC electricity to AC

INTERMITTENCY IMPACT ON SOLAR TECHNOLOGY



SOLAR PROJECTS WITH STORAGE

Tower Technology

Achieves high temperatures by concentrating energy on a central point; increases cycle efficiency and cost-effectiveness of storage

Storage

Provides operating stability and flexibility

Demonstrated Technology

Technology using solar power tower was demonstrated at the Solar Two facility in Barstow, CA



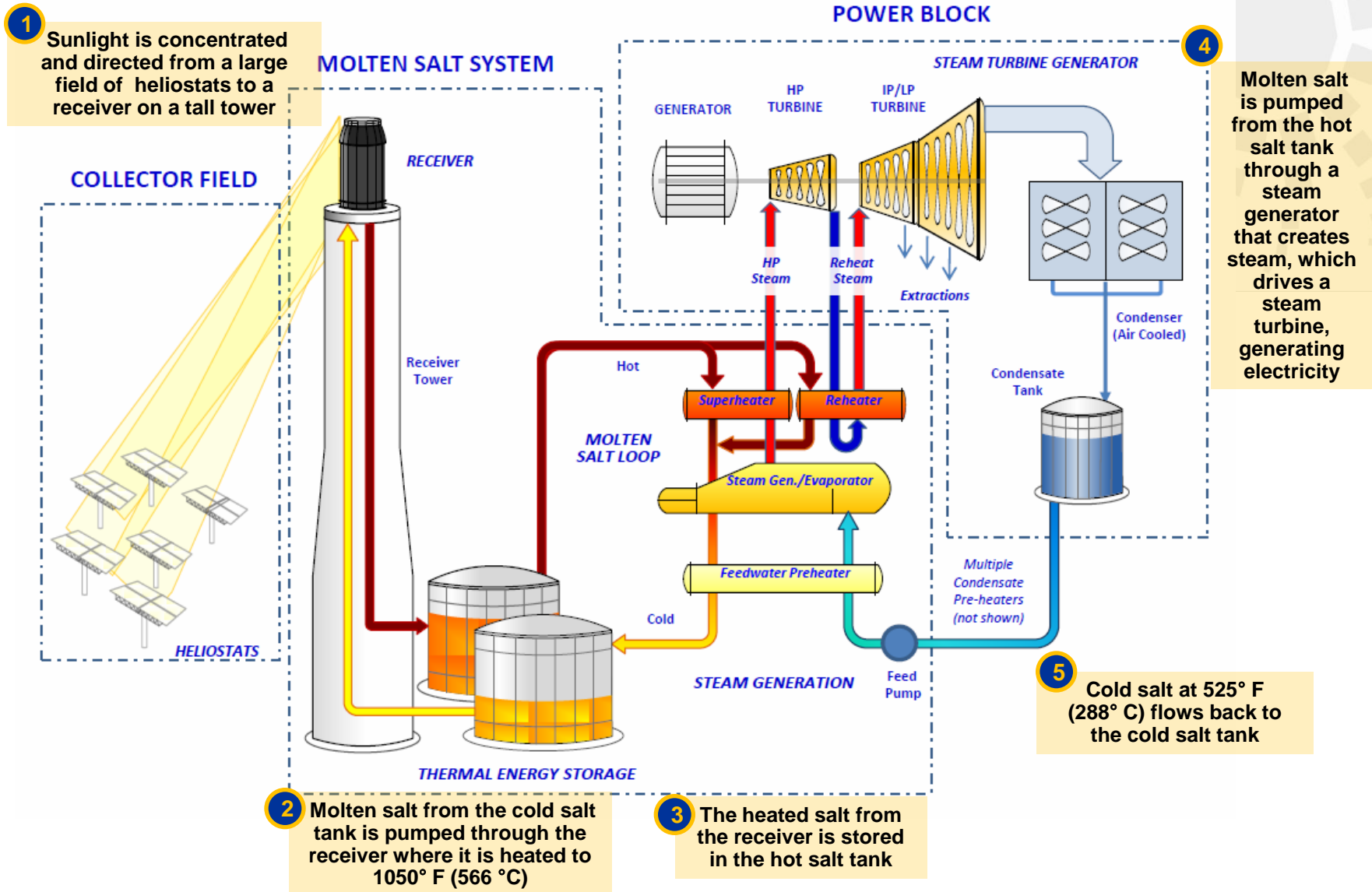
- **High purity sodium nitrate and potassium nitrate salts**
- **In addition to being used in fertilizers, is also an effective heat transfer and storage medium**
- **Ability to store large amounts of heat in a small volume**
- **When melted, has flow properties similar to water**



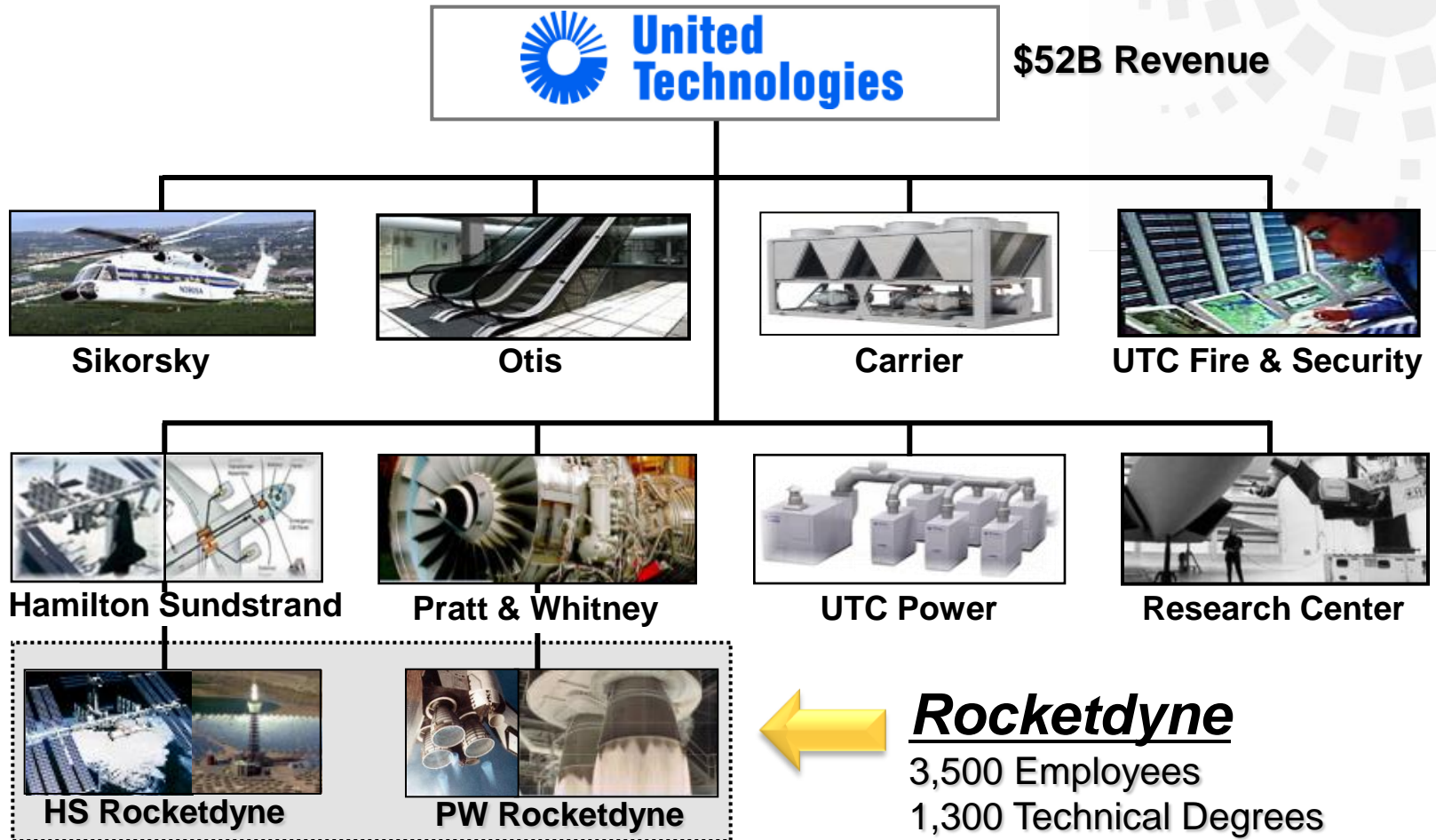
NEXT GENERATION POWER PLANT

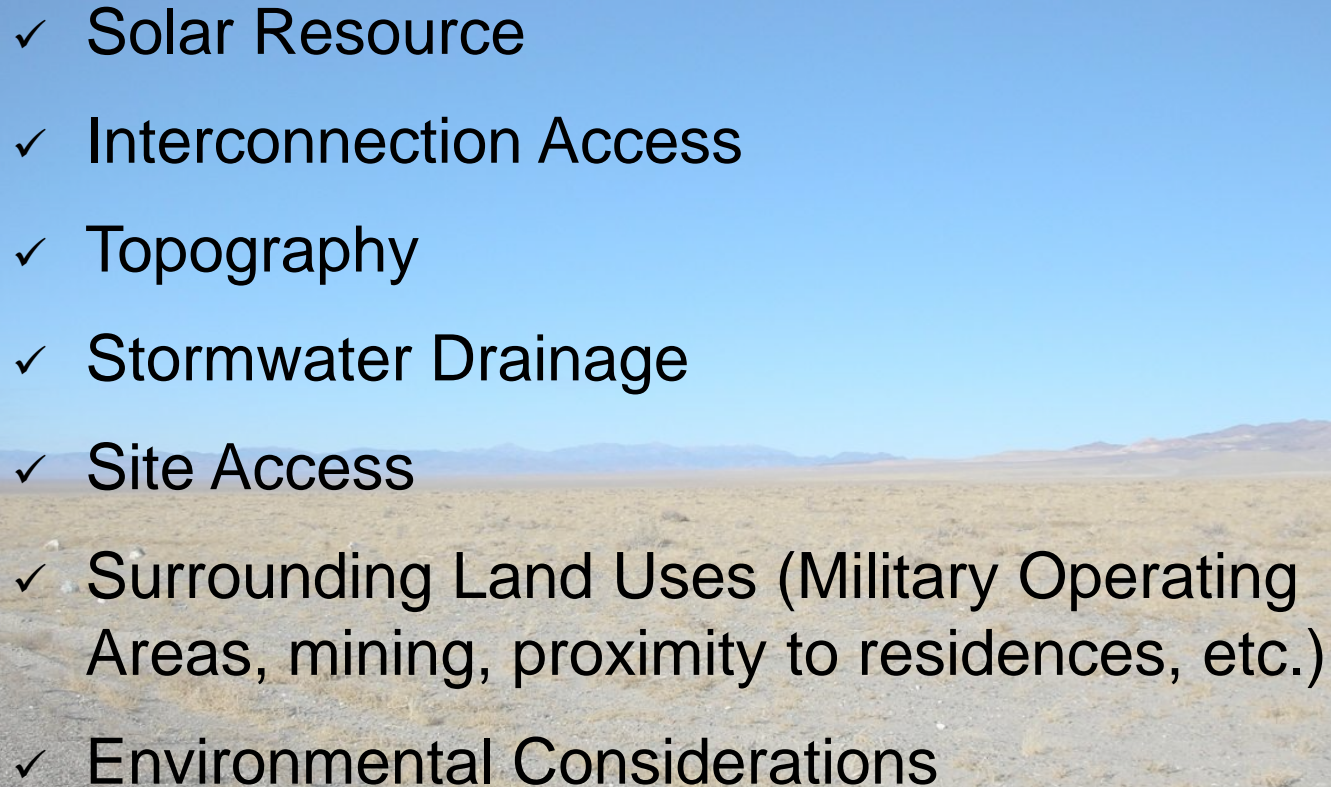


SOLAR POWER TOWER WITH ENERGY STORAGE



SOLARRESERVE'S TECHNOLOGY PARTNER



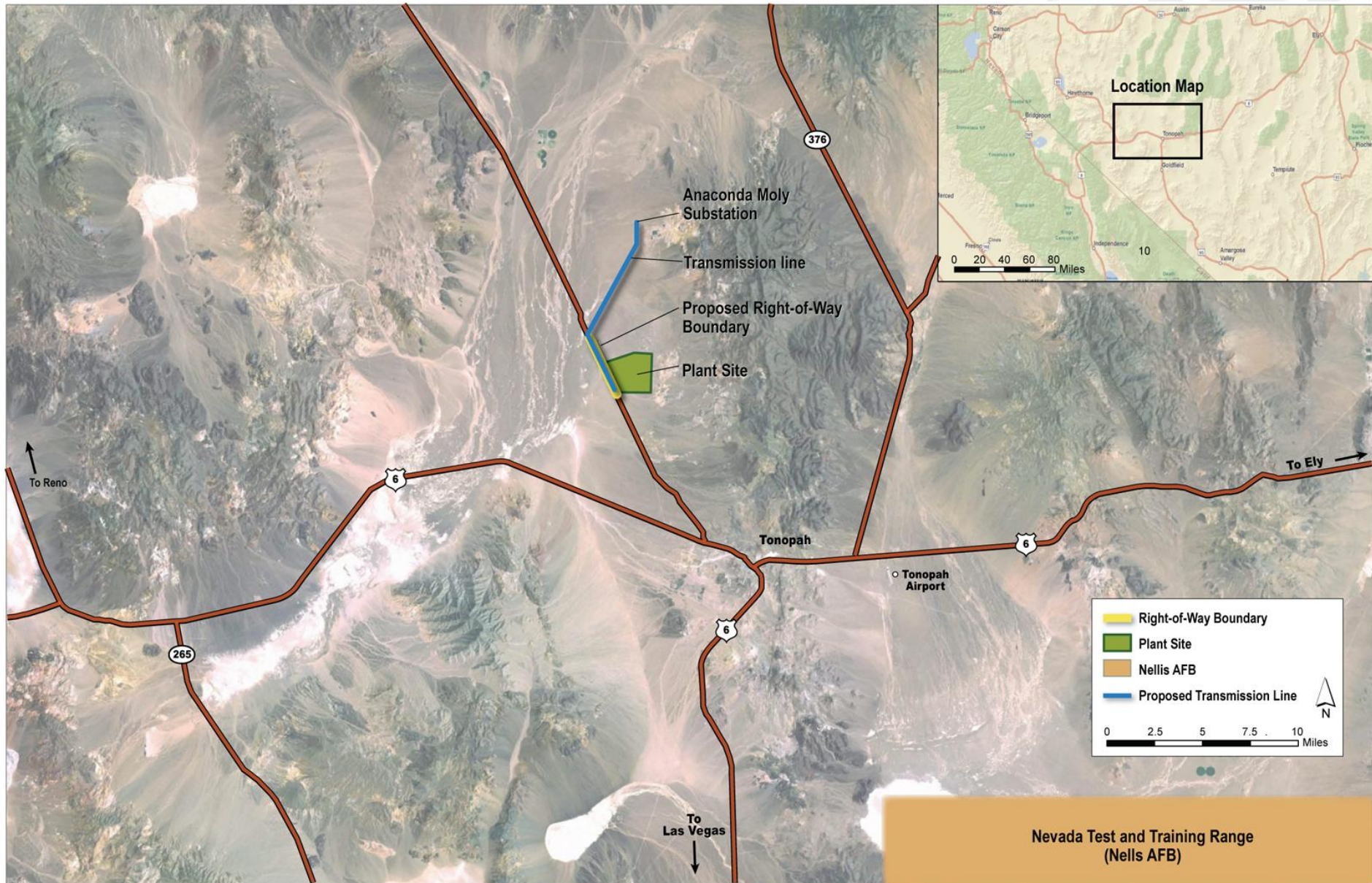
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- ✓ Solar Resource
 - ✓ Interconnection Access
 - ✓ Topography
 - ✓ Stormwater Drainage
 - ✓ Site Access
 - ✓ Surrounding Land Uses (Military Operating Areas, mining, proximity to residences, etc.)
 - ✓ Environmental Considerations

CRESCENT DUNES PROJECT OVERVIEW

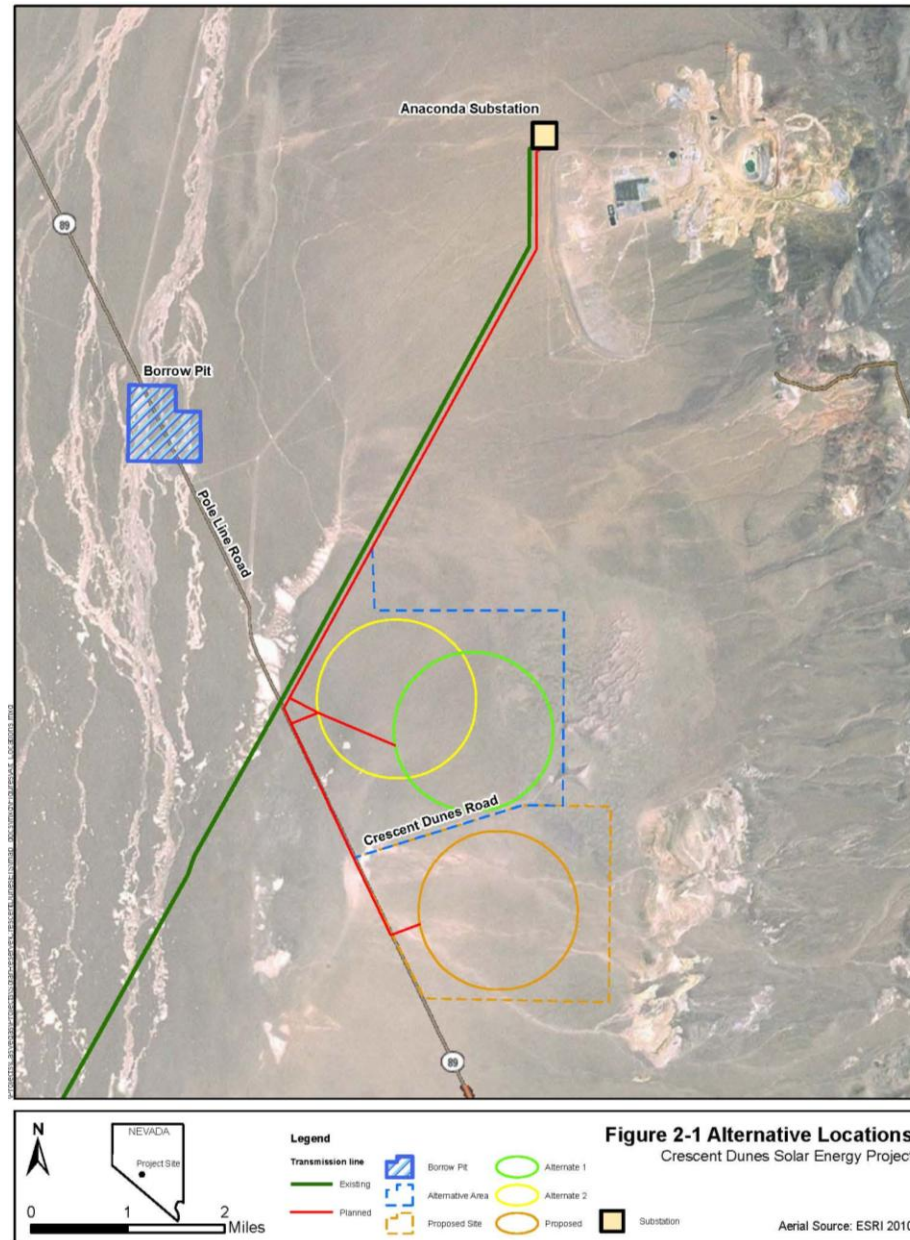
A right-of-way application has been filed with the BLM, covering approximately 2,600 acres for the plant site, and 230 acres for the transmission line (plant site to the Anaconda Moly substation) to facilitate the following project components:

- A large field of heliostats or mirrors to reflect the sun's energy onto a central receiver
- A conventional steam turbine to generate 100 MW of electricity
- Thermal storage tanks to store the hot and cold liquid salt
- A hybrid cooling system (i.e., an air cooled condenser with a wet cooling augmentation system designed to reduce water consumption by use only during times of high electricity demand)
- Associated equipment such as pumps, transformers, heat exchangers, and buildings
- Associated linear facilities including an access road and a 9.5-mile transmission line

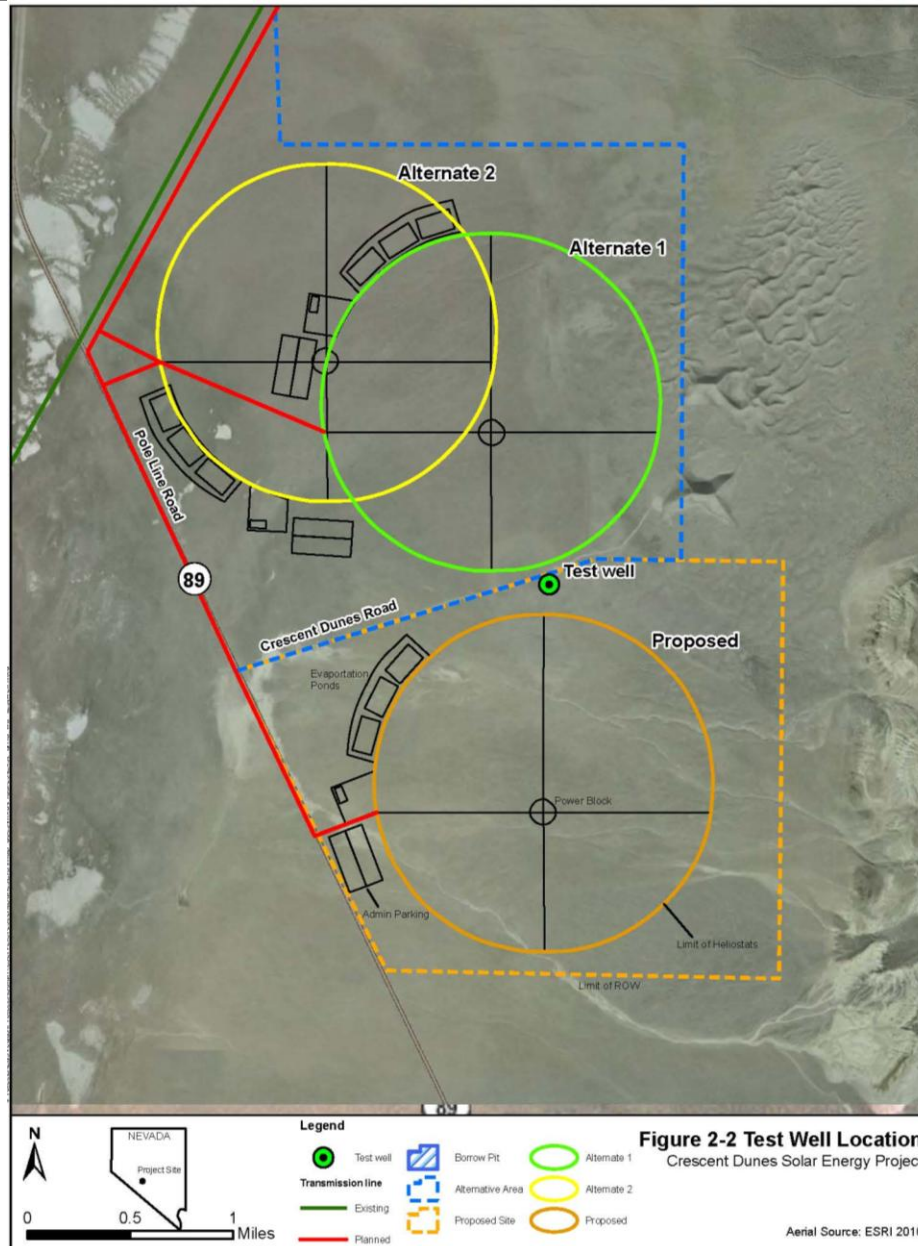
CRESCENT DUNES SOLAR PROJECT



CRESCENT DUNES – PROJECT COMPONENTS



CRESCENT DUNES - ALTERNATIVES





SolarReserve

2425 Olympic Blvd., Suite 500 East

Santa Monica, CA 90404

(310) 315-2200