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RETI 2.0 Plenary Meeting

March 16, 2016

www.8minutenergy.com



8minutenergy Renewables is the nation's largest independent solar PV developer

8minutenergy's mission is to make solar abundant and to be the industry leader in lowering the cost of solar PV

Portfolio and Track Record:

- **3,000 MW** under development
- Closed over **\$3bn** in solar PPAs to date.
- Financed **\$1.2bn** in the last 12 months
- Executed **1.4 GW** of PPAs worth **\$3bn** in value
- Developing the world's largest plant: **800 MW**
- **330 MW** producing power
- **400+ MW** under construction
- Closed PPAs with the **four largest California utilities** and all four are repeat customers.
- Awarded **35%** of all the utility-scale solar projects procured in California in past 2 years
- Created **hundreds of solar jobs** in California.



Sunrise at Mount Signal Solar



Springbok 2 Project in Kern County



Redwood Solar Project

Opportunities for Responsible Development

- North of Lugo Area
- Salton Sea Area
- RA Deliverability

SCE North of Lugo Area Requires More Infrastructure

- The North of Lugo Area has approximately 1,700 MW of projects in the CAISO generation queue
- This area is ideal for solar: it has high insolation, low quality habitat and low quality farmland
- Interconnection substations include Kramer, Jasper, and Coolwater



The Coolwater - Lugo project would help deliver clean renewable power, while supporting system reliability and meeting the region's increased demand for electricity.

Coolwater-Lugo Transmission Project Is Still Needed

- **2011:** To achieve California's renewable power goals, SCE proposed to upgrade infrastructure and improve reliability in Kramer Junction and Lucerne with the Coolwater- Lugo Transmission Project.
- **May 2015:** CPUC voted to dismiss the Coolwater-Lugo CPCN Application without prejudice.
- **Feb 2016:** The Coolwater- Lugo project is now identified as needed for renewable project interconnection, proposing to saddle solar projects in the area with \$976M in upgrades.
- **Individual projects cannot afford to fund regional transmission upgrades. This approach jeopardizes an critical regional system element and development of key, low conflict resource areas.**

The Coolwater- Lugo Transmission project should be revisited as a policy-driven priority to allow instate projects to contribute towards California's 50% RPS

Salton Sea Area Has Huge Potential



Positive Attributes for Solar

- Solar resource is very high
- Thousands of acres of vacant, sub-prime land

Limited Transmission

- Existing infrastructure is inadequate for large projects with highest efficiencies and lowest cost
- 230/500 kV new transmission enhancements are needed between Salton Sea and Devers and IV Sub to deliver geothermal and solar projects
- High voltage infrastructure reinforcing IID BA connection with CAISO would provide much needed reliability and stability in CAISO southeast region
- RA allocation from IID BA needs to be designed in a way to remove the risk, enhance reliability and reduce cost to consumers

Need for higher voltage infrastructure and strengthened IID-CAISO path



Thank you.

Please contact us with questions or feedback:

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