

DOCKETED

Docket Number:	15-RETI-02
Project Title:	Renewable Energy Transmission Initiative 2.0
TN #:	210742
Document Title:	Westlands Solar Park
Description:	Presentation - Kim
Filer:	clare Laufenberg
Organization:	Westlands Solar Park
Submitter Role:	Public
Submission Date:	3/15/2016 3:24:44 PM
Docketed Date:	3/15/2016



WESTLANDS

SOLAR PARK

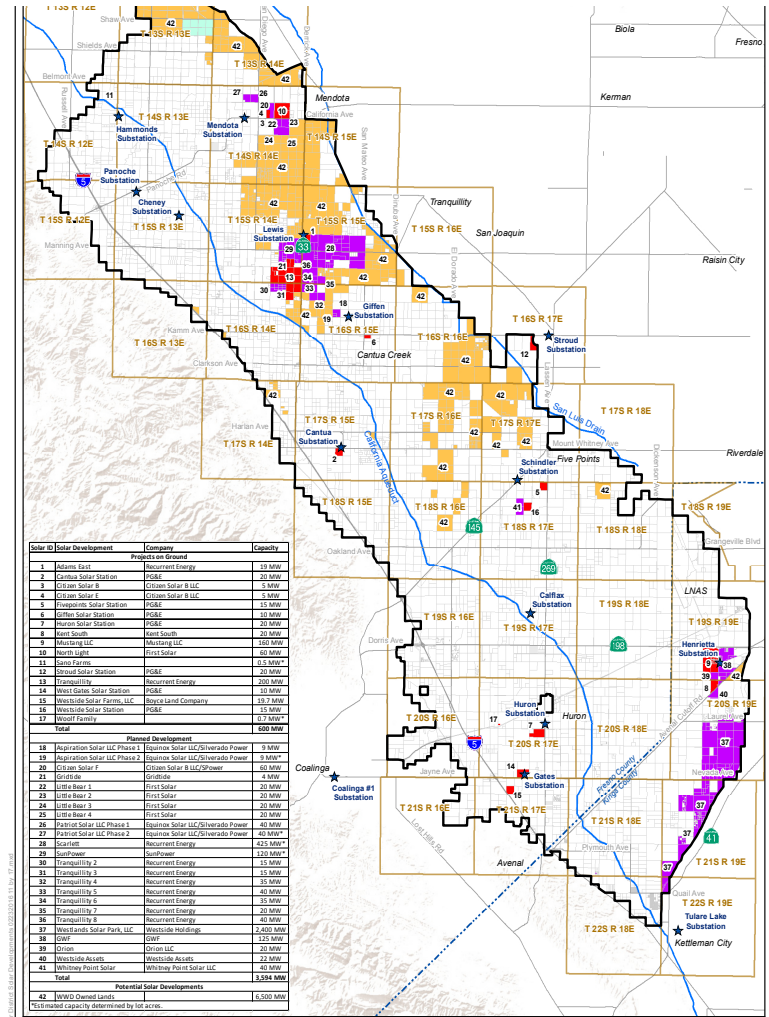
“A master planned California renewable energy infrastructure project that utilities, ratepayers, environmentalists & the farming community all support”

RETI 2.0 Workshop

March 16, 2016

Momentum for Utility Solar Development in Westlands Water District

- 6,500 MWs of developed and planned solar in the WWD
- As of March 11, 2016 the CAISO interconnection queue has over 3,000 MW's in Kings, Fresno and Madera counties
- In 2013 WWD launched the largest programmatic EIR in central valley on over 20,000 acres of land in district for solar generation



Value of Solar Resource in Westlands Solar Park compared to other resource areas

- More coincident with CA peak demand and lower line losses to deliver energy due to the resource area being further west and closer to major load
- Strong support for development that minimizes risks and costs to development including mitigation, delays and uncertainty
- Close proximity to existing transmission systems and load centers can reduce overall transmission costs and end cost to rate payers
- Central valley solar can help balance southern California resources already in operation and under construction
- WSP is able to partner with utilities and commercial partners to capture cost effective utility scale storage technologies as solar development continues to grow in the San Joaquin
- Externality benefits to agriculture and water issues facing the state

Large scale solar development in Westlands is happening. How can we make it more efficient?

- ❑ *Transmission planning for San Joaquin solar lacking. State should be looking at Tehachapi resource build out model to develop full potential of 6,000+ MW's in WWD*
- ❑ *Renewable developers are already placing long term bets on more large scale solar development in Westlands similar to how development occurred in Tehachapi and a transmission plan is needed now to help streamline the “chicken & egg” problem*

Growth of large solar projects at substations in WWD in CAISO queue

Gates 230 kV substation (Kings)

- 840 MW's in queue

Tranquility 230 kV substation (Fresno)

- 832 MW's in queue

Planned large scale solar in WWD based on permitting information

Westlands Solar Park ~2,000 MW's per WWD PEIR NOP

Kings county pending and approved solar ~1,060 MW's

Fresno county pending and approved solar ~1,160 MW's



Thank You