

DOCKETED

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Renewable Energy Transmission Initiative 2.0

Environmental and Land Use Group Data and Data Use Workshop #3

January 22, 2016



California Public
Utilities Commission



California Energy
Commission



California ISO

Environmental and Land Use Technical Group

AGENDA

- Welcome and Introductions
- RETI 2.0 Environmental and Land Use Technical Group – Work Updates

Technical Group Contributions

Environmental and Land Use Group

- Identify, compile, document, and make available state-wide data (and west-wide to the extent feasible) relevant to renewable energy planning.
- Discuss, and recommend methodologies, to use the assembled data to assess areas and combinations of areas to evaluate environmental sensitivities and land use considerations.
- Work interactively with RETI Plenary Group to evaluate conceptual-level combinations of potential renewable energy generation areas, transmission and potential transmission corridors.

Plenary Group

Month-by-month Timeline

Month	Objectives
January	Explore planning goals (GHG, renewables, and system)
February	Gather renewable resource information, studies of combined value
March	Understand environmental, land use, and transmission constraints and opportunities; Recommend scenario approach
April	Gather/build conceptual resource combinations; Engage local communities
May	Explore environmental and transmission implications
June	Propose draft scenarios of renewables and transmission
July	Analyze scenarios for common elements and solutions
August	Review and refine solutions; develop recommendations
September	Release draft report

Guiding Questions

- What environmental data are relevant to inform renewable energy planning activities in California and in the west-wide interconnection?
- How should key environmental data best be used to inform various renewable energy planning activities in California, and in the west-wide interconnection?

Guiding Questions

- What are the key environmental data criteria that should be applied to the available data to evaluate relative environmental impacts of potential renewable energy transmission and/or potential transmission corridors?
- For the available and relevant data what are the significant data gaps and what should be done to resolve them, both short-term and long-term?

Guiding Questions

- What have we learned from recent and ongoing renewable energy planning activities that should be considered or consistently applied to renewable energy planning processes
- What could we also apply from the viewpoint of individual stakeholder groups' own planning activities or study efforts that evaluate the relative environmental impacts of potential renewable energy generation, transmission and potential transmission corridors?

Environmental and Land Use Technical Group

AGENDA

- Presentations and Group Discussions
 - Summary Discussion of Statewide Data Sets (CBI)
 - Proposed Data and Model Approaches (CBI)
 - Proposed Work Group Strategy (CEC)

Environmental and Land Use Technical Group

AGENDA

- Next Steps
 - Data Basin Gateway
 - Review available datasets
 - Identify new and additional data sets
 - Implement Work Program
 - Next Workshop

Environmental and Land Use Technical Group

Data Basin:

- Desert Renewable Energy Conservation Plan
drecp.databasin.org
- San Joaquin Valley Least Conflict Solar
sjvp.databasin.org
- CDFW Web
<http://www.dfg.ca.gov/biogeodata/ace/>
<https://www.wildlife.ca.gov/conservation/planning/connectivity/CEHC>