

DOCKETED

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Renewable Energy Transmission Initiative 2.0 Plenary Group Planning Goals Workshop

January 29, 2016



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Today's Agenda

- Review RETI 2.0 Objectives and Work Plan; Goals of the day; Next steps (Brian Turner, CPUC)
- Renewable energy in California's climate policy framework (Emily Wimberger, California Air Resources Board)
- Pathways model and framework (Arne Olsen, Energy and Environmental Economics)
- Lunch Break -
- California Energy Demand and implications for renewables (Cary Garcia, Energy Commission)
- RPS Calculator (Forest Kaser, California Public Utilities Commission)
- Los Angeles Department of Water and Power (Brian Koch, LADWP)
- Rest-of-the-West (Tom Carr, WIEB)
- Public Comments
- Closing Remarks and Next Steps



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Public Comment

- ***Oral comments:*** Participants in person and by webinar are encouraged to provide comment during and after workshop. Comments may be limited to three minutes and will become part of the public record for this stakeholder process.
- ***Written comments:*** Written comments on today's workshop are encouraged. **Written comments should be submitted by 4:00 p.m. on February 12, 2015.**

Please submit comments to the Energy Commission using the Energy Commission's e-commenting feature by going to the RETI 2.0 webpage <http://www.energy.ca.gov/reTI/> and click on the "Submit eComment" link. A full name, e-mail address, comment title, and either a comment or an attached document (.doc, docx., or .pdf format) is mandatory. Please note that written comments, attachments, and associated contact information included within the written comments and attachments (e.g., your address, phone, email, etc.) become part of the viewable public record.



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Review RETI 2.0 Objectives and Work Plan; Goals of the day; Next steps

Brian Turner
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RETI 2.0 Objectives

- Statewide, non-regulatory planning effort to help meet statewide GHG and renewable energy goals.
- Explore combinations of renewable generation resources in California and throughout the West that can best meet goals
- Identify land use and environmental opportunities and constraints to accessing these resources
- Build understanding of transmission implications of renewable scenarios, and identify common transmission elements
- Inform future planning and regulatory proceedings



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RETI 2.0 Plenary Group

Objectives:

- Identify plausible scenarios of renewable resources and transmission
- Integrate environmental/land use and transmission implications
- Identify common transmission elements
- Recommend next steps

Methodology:

- Monthly Workshops (or more often as necessary)
- Staff discussion papers and stakeholder comments
- Quarterly Agency Executive Meetings



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Plenary Group Conceptual Process

Timeframe	Goal
First Quarter 2016	Define goals Gather background data, studies Recommend approach
Second Quarter 2016	Propose resource combinations Review and refine Compare system scenarios
Third Quarter 2016	Identify common or critical solutions Identify follow-on tasks Report



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Today's Workshop: Planning Goals

Objective:

- Establish context to guide the collection, evaluation, and comparison of resource and transmission scenarios in 2nd Quarter RETI 2.0 work
- These are non-regulatory planning goals in the RETI 2.0 context only

Guiding questions:

- What are the ballpark, quantitative estimates of total (and incremental) renewable energy needs to meet California's Executive Order B-30-15 and SB 350 goals in 2030?
- What are the major variables that substantially affect these numbers?
- What conditions in rest of the west affect these numbers?

Outcomes:

- Staff will produce a summary of estimated long-term renewable needs under various conditions



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Next steps: February and March

Plenary Group

- Planning goals summary
- Workshop February 23: Explore Resource Values
 - Latest and greatest on renewable resource areas and generation technologies
 - Studies and perspective on planning balanced portfolios of resources to minimize total cost
- Develop recommendations for scenario comparison framework

Environmental/Land Use Technical Group

- Additional workshop on local land use planning
- Developing evaluation tools in DataBasin platform and recommendations for evaluating energy scenarios

Transmission Technical Input Group

- Summarize existing information
- Develop recommendations for evaluating scenarios

RETI 2.0 Agency Executives

- Public workshop late March
- Hear 1st Quarter progress report and approve 2nd quarter work plan



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