



California Environmental Protection Agency

AIR RESOURCES BOARD

California Renewable Electricity Standard

Public Workshop

April 5, 2010

Noon to 3:00 PM

Workshop Schedule

- ✓ Welcome and Introductions
- **Today's Workshop**
 - Economic Analysis
 - Environmental Analysis



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Next Steps

- Release of RES Supporting Analyses
 - REC Market Analysis
 - Draft Economic Impact Summary
 - Draft EIR
- May 4th Workshop
 - Revised Draft Regulation
- June 16th Workshop
 - Complete Rulemaking Package



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Economic Analysis Update



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Analysis of the Proposal Must:

- Assess impacts on California business creation, expansion, or elimination as a result of the proposed 33% Renewable Electricity Standard By ARB.
- Assess whether the regulation will create or eliminate jobs
- Assess Impacts on affected individuals in California
- Assess Impacts on small businesses
- Assess Impacts on California business competitiveness with other states
- Assess any disproportionate impacts on low-income communities

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Cost

Question:

- How much will it cost to reach 33% RES in 2020?

Methodology:

- E3 Calculator is used to determine resource mix and costs associated with each RES Scenario relative to the 20% RPS baseline

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Economic Impact

Question:

- What impact will RES have on the state economy?
 - Gross State Product
 - State Personal Income
 - Output
 - Employment

Methodology:

- EDRAM is used to answer these questions



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Impacts on Rate Payers

Questions:

- How will customers' electricity bills be impacted by RES?
- What are the impacts to different rate payer classes?
- How will small businesses' electricity rates be affected?
- How will low income customers' rates be affected?

Methodology:

- The CPUC's rate impact calculator along with the RES Calculator will be used to address these questions



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Small Business Impacts

Questions:

- How will small business's electricity rates be impacted by RES?
- What affect will rate changes have on business spending and competitiveness?

Methodology:

- Output from the CPUC's Rate Impact Calculator and information from Dunn and Bradstreet databases will be used to answer these questions

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Green Jobs

Questions:

- Will new, permanent "green jobs" be created as a result of RES?
- If yes, how many?

Methodology:

- Using existing studies and the RES Calculator output, staff will estimate the number of green jobs created

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Cost Analysis using the RES Calculator

Arne Olsen, Partner
Energy and Environmental Economics



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Economic Impact Analysis using EDRAM

Dr. Peter Berck
UC Berkley



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Next Steps

- Customer and Small Business rate impacts
- Small business impacts
- Green Jobs



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Contacts

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