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6-BAP-1
DATE MAR 9 2006
RECD. MAR 8 2006

Biomass Energy Action Plan Workshop

Staff Presentation

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March 9, 2006

Presentation Outline

- Agenda for Today's Workshop
- State Policy Context: 2005 Integrated Energy Policy Report Recommendations and the Governor's Direction
- Bioenergy Interagency Working Group
- Bioenergy Action Plan Process

Agenda for Today's Workshop

Morning Session

9:30 Welcome and Introductions

9:45 Comments from the Bioenergy Working Group

10:00 Staff Presentation

10:15 Presentation by Navigant Consulting, Inc.

11:00 Public Comments

12:00 Lunch Break

Afternoon Session

1: 30 Public Comments

4:30 Conclusions and Next Steps

Strategic Value of Bioenergy

- California has large, untapped biomass resources which can support greater use in electric power, fuels and chemicals.
- Biomass is a renewable resource capable of solving a portion of California's waste disposal and environmental problems, while meeting state renewable energy goals.
- Bioenergy can achieve multiple state policy objectives of ensuring adequate fuel supply, fuel diversity, energy security and greenhouse gas reduction.
- Other public benefits include improving forest health, human and animal health, and environmental protection, while creating local jobs and economic benefits.
- Removal of excess biomass materials from California's forests can reduce the frequency and intensity of forest fires.

2005 Integrated Energy Policy Report: Biomass Recommendations

- Develop a "road map" to guide future biomass management, utilization and development in California.
- Adopt clear and consistent policies for sustainable biomass management, development and use.
- Collaborate on securing federal funding for biomass research, development and demonstration projects.
- Develop biomass education and public outreach programs on the benefits and opportunities of this resource.
- Establish state and local procurement and construction programs to increase biomass and biofuels use.

2005 Integrated Energy Policy Report: Recommendations on Biofuels

- The state should establish a non-petroleum diesel fuel standard so that all diesel sold in California contains a minimum of 5 percent non-petroleum fuel content.
- The Bioenergy Working Group should prepare and submit recommendations to the Energy Commission for inclusion in the AB 1007 (alternative fuels) state plan to expand the use of B-20.
- The state should establish a California renewable gasoline fuel standard so that all of the gasoline sold in California contains, on average, a minimum of 10 percent renewable fuel content.
- The Bioenergy Working Group should prepare and submit recommendations to the Energy Commission for inclusion in the AB 1007 state plan to increase the use of E-85.

Governor's Direction on Biomass

The Governor has directed the Energy Commission to develop an integrated and comprehensive state policy on biomass:

- Support the California Biomass Collaborative through the Public Interest Energy Research program;
- Reinvigorate the Bioenergy Interagency Working Group;
- Include in state policy electricity, natural gas and petroleum substitution.
- Reflect the substantial benefits of reducing municipal solid waste and agricultural and forestry residues to fuels, chemicals and other products.

Bioenergy Interagency Working Group

- **Goals:**
  - Identify and develop interagency opportunities to advance the use of biomass for energy production;
  - Address barriers and propose solutions;
  - Create synergy through coordinated state level efforts.
- **Membership**: Air Resources Board, California Energy Commission (Chair), California Environmental Protection Agency, California Public Utilities Commission, California Resources Agency, Department of Food and Agriculture, Department of Forestry and Fire Protection, Department of General Services, Integrated Waste Management Board, and State Water Resources Control Board
- **Timing**: Began meeting regularly in May 2005; a Final Draft of the Bioenergy Action Plan is expected by March 31, 2006.

Bioenergy Interagency Working Group Bioenergy Action Plan Objectives

- Expand the use of biomass, biogas, biofuels, and bio-based products in a cost-effective manner that maximizes economic and environmental benefits.
- Identify near-term or immediate actions that California state agencies could pursue in 2006 and beyond.
- Expand markets for urban, agricultural and forestry residues, and dedicated energy crops.
- Identify and remove unnecessary regulatory requirements, while ensuring "no environmental backsliding."

Bioenergy Action Plan Process

- The Energy Commission has retained Navigant Consulting, Inc. to assist in assembling a Bioenergy Action Plan.
- Draft Bioenergy Action Plan was released on March 2, 2006.
- Stakeholder input was requested through the California Biomass Collaborative and one-on-one meetings with key stakeholders.
- March 17, 2006 is the deadline for filing public written comments on the Draft Plan.
- Final Bioenergy Action Plan is expected by March 31, 2006.