

Low Carbon Fuel Standard Workshop:

Expert Workgroup Proposal

August 5, 2009

California Environmental Protection Agency



Air Resources Board



The Expert Workgroup

- Background
 - The Resolution 09-31 directs the Executive Officer to convene an expert workgroup to assist in refining and improving the land use and indirect effect analysis of transportation fuels

- Today's Discussion
 - Present draft proposal for the setup of the expert workgroup
 - Request comments by Aug. 28

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Proposal for the Expert Workgroup

- Overall Structure
- Member Selection
- Topics for Evaluation
- Meetings
- Deliverables
- Timeline

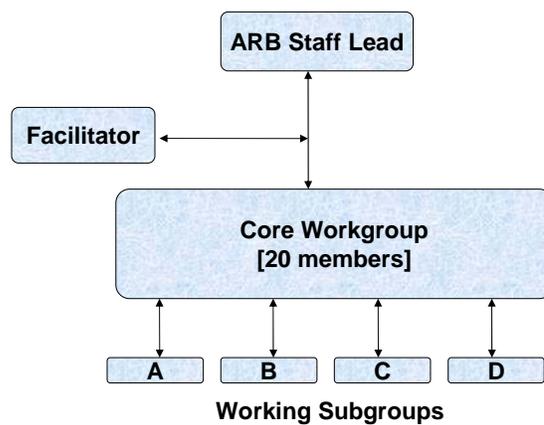


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Overall Structure



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Member Selection Process

- **ARB staff will solicit participation and may independently seek qualified participants**
- **From the pool, ARB staff will invite about 20 experts to participate**
- **A balanced representation of technical expertise to tackle major issues of concern will be key in the selection process**

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Member Selection Criteria

- **Must possess skills and experience necessary to conduct objective, technical-level analyses that can help policy development**
- **Relevant experience and education as demonstrated by peer-reviewed publications in the knowledge areas mentioned or other basis may qualify as experts**

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Member Selection Criteria

- **Knowledge Areas**
 - Global economics, agricultural economics and modeling, energy market economics and modeling
 - Transportation fuel lifecycle analysis modeling
 - Global land use, greenhouse gas emission factors and atmospheric time accounting
 - Agricultural production, livestock feed market
 - Motor vehicle fuels both conventional and alternatives

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Potential Topics for Evaluation

- **Land Use Change Effects of Biofuels**
 - GTAP: Elasticity values, yield changes, land resolution, co-products, impacts on food consumption
 - Other: Yield changes over time, time accounting, emission factors
- **Effects of Other Fuels**
 - Land use effects, secondary effects in the energy market
- **GREET**
 - Fertilizer use, water use, co-products
- **Comparative Modeling Approaches**
 - FAPRI-FASOM, other approaches

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Expert Workgroup Meetings

- **Bimonthly meetings (at least)**
 - If appropriate, additional working subgroup meetings
- **All meetings will be public**
 - Meetings will be webcast when possible
- **Meeting summaries will be published for public view**

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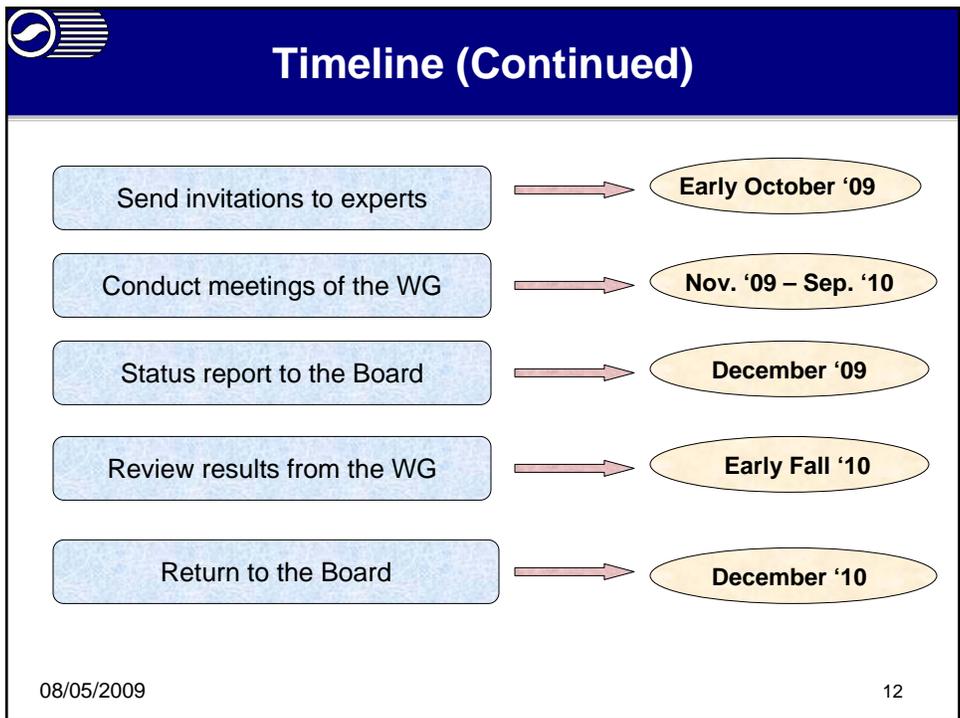
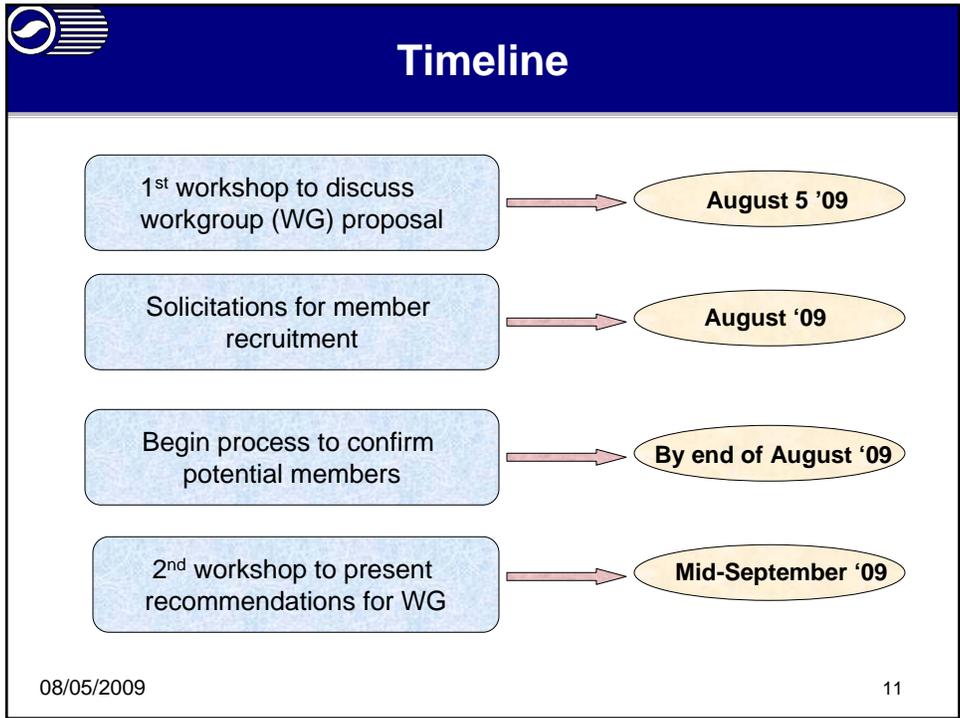


Deliverables

- **Report of findings**
- **Draft report prepared by ARB staff, with input from workgroup participants**
 - Facilitator will assist with the preparation of draft report
- **Draft report released for public view**

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Discussion

- Questions?
- Comments

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