

Conference Agenda

TRANSPORTATION AND CLIMATE POLICY

July 28 – 31, 2009
Asilomar Conference Grounds
Pacific Grove, California

Twelfth Biennial Conference on Transportation Energy and Policy
Organized under the auspices of the Energy, Alternative Fuels, and Sustainable Transportation
Committees of the U.S. Transportation Research Board

Hosted by the Institute of Transportation Studies at the University of California, Davis

Tuesday, July 28, 2009

3:00 – 9:00 p.m. Registration

4:30 – 6:00 p.m. Reception

6:00 – 7:30 p.m. Dinner

7:45 – 9:00 p.m. Session I: Should Developing Countries Worry about CO₂ Emissions?

Passenger travel is not dominated by cars in developing countries, and energy use for road transport is generally low compared with the U.S. or Europe. And yet, with a few well known exceptions, developing country traffic, both in or around urban areas, is congested, polluting, and dangerous. Why is this, and more importantly, what can and will be done? What does this all mean for oil use and GHG emissions and what does it mean for global climate policy?

Moderator: **Lee Schipper** (Stanford University and UC Berkeley)

Speakers:

- **Cornie Huizenga** (Clean Air Initiative for Asian Cities Center), *"Global Policy for Sustainable Low Carbon Transport in Developing Countries"*
- **Adriana de Almeida Lobo** (Center for Sustainable Transport, Mexico City), *"Sustainable Transport and Restraining CO₂ Emissions in Latin America—Good News from a Forgotten Continent"*

Wednesday, July 29, 2009

7:30 – 9:00 a.m. Breakfast

9:00 a.m. – Noon Keynote Presentations

Welcome and Introduction: **Daniel Sperling** (UC Davis)

How much GHG (and oil) reduction can be gained from transportation as part of a comprehensive climate strategy—in both the short and long term? How are the EU and California approaching these questions? What is the role of cap and trade policies versus activity-specific rules and policies? What is the best overall policy architecture—the best mix of market, regulatory and other instruments?

- **Mary Nichols** (Chair, California Air Resources Board)
- **Mort Downey** (Senior Advisor, Parsons Brinckerhoff; former Deputy Secretary, U.S. DOT)
- **David McCurdy** (President and CEO, Alliance of Automobile Manufacturers)

Noon – 1:30 p.m. Lunch

1:30 – 3:00 p.m.

Session II: Transportation Trends and Policies

Moderator: **Jonathan Rubin** (University of Maine)

Keynote: **Roy Kienitz** (Under Secretary of Policy, U.S. DOT)

Speakers:

- **John Conti** (U.S. Energy Information Administration), *“Transportation Fuel and CO₂ Forecasts”*
- **Lew Fulton** (International Energy Agency), *“IEA Transportation Energy Outlook”*

3:30 – 6:00 p.m.

Session III: Fuels Policy

The transition to low carbon non-petroleum fuels is getting underway. How can policies be formulated to guide this transition? How might this transition occur? How fast? This session will address broad policies such as the low carbon fuel standard and the perspectives and actions of key stakeholder groups.

Moderator: **Robert Larson** (U.S. EPA)

Speakers:

- **Sonia Yeh** (UC Davis), *“Low Carbon Fuel Standard and Related Policies”*

Panel:

- **Ralph Moran** (BP America)
- **Ed Kjaer** (Southern California Edison)
- **Mark Laser** (Dartmouth College)
- **Roland Hwang** (Natural Resources Defense Council)

6:00 – 7:30 p.m.

Barbecue dinner on the beach

Music by Lee Schipper and the Mitigators

Thursday, July 30, 2009

7:30 – 9:00 a.m.

Breakfast

9:00 a.m. – Noon

Session IV: Future of Vehicle Fuel Economy and Greenhouse Gas Standards

This session addresses the challenge of designing fuel economy and greenhouse gas standards for vehicles. How stringent should they be? Should they be based on fuel economy or greenhouse gases? How should the various conflicting fuel economy/GHG standards be reconciled? How do they accommodate alternative fuels?

Moderator: **John Viera** (Ford Motor Company)

Speakers:

- **K.G. Duleep** (ICF International), *“Future Vehicle Technology Assessment”*
- **Jeff Alson** (U.S. EPA), *“Federal GHG Plans”*
- **John German** (International Council on Clean Transportation), *“Policy Implications of Achieving Technology Goals”*
- **John DeCicco** (University of Michigan/Consultant to EDF), *“Caps, CAFE, and Balance”*

Noon – 1:30 p.m.

Lunch

1:30 – 3:30 p.m.

Session V: Policies to Reduce Vehicle Travel

How might the transport system be transformed to increase travel choices and accessibility and improve system efficiency? Which strategies and policies might be most attractive and effective? What's working? What's promising? How can we measure progress? What are the primary barriers to success? What's needed to realize potential GHG savings from travel efficiency?

Moderator: **Allen Biehler** (Secretary of Transportation, Pennsylvania)

Speakers:

- **Bill Cowart** (Cambridge Systematics), *"Moving Cooler: How Much Can a Comprehensive Set of Policies Reduce VMT and Associated GHG Emissions?"*
- **Steve Winkelman** (Center for Clean Air Policy), *"Performance Measurement, Data Needs and Economic Co-benefits"*
- **Mike McKeever** (Sacramento Area Council of Governments), *"Smart Growth and Climate Change: California's SB 375 and Sacramento's Blueprint Experience"*
- **Emil Frankel** (Bipartisan Policy Center), *"The Role of Energy Security and Climate Change in National Surface Transportation Policy"*

4:00 – 6:00 p.m.

Session VI: Freight Transport

Freight is expected to account for an ever larger share of transport's energy and greenhouse gas emissions. Which policies and strategies might be most effective in taming travel demand, shifting travel to less energy-intensive modes and improving modal energy efficiencies? Discussion will include prospects for improved fuel efficiency, changes in supply chain management, and improved intermodal operations.

Moderator: **Marianne Mintz** (Argonne National Laboratory)

Speakers:

- **Tony Greszler** (Volvo Powertrain), *"Technologies and Policies to Improve Truck Fuel Efficiency"*
- **Fanta Kamakaté** (International Council on Clean Transportation), *"A Global and U.S. Framework for Increasing the Efficiency of Trucks"*
- **James Winebrake** (Rochester Institute of Technology), *"Improving the Energy Efficiency and Environmental Performance of Goods Movement: A Systems Perspective"*

Discussant: **John Boesel** (CALSTART)

6:00 – 7:30 p.m.

Dinner

7:30 – 9:00 p.m.

Session VII: Challenges for Technology and Innovation

Do we have the fuel, vehicle, and transportation technologies we will need to gain large reductions in oil use and greenhouse gas emissions? What is the government's role? Discussion of new approaches for government and industry to stimulate innovation from R&D to commercialization. International technology transfer opportunities?

Moderators: **Carmen Difiglio** (U.S. DOE) and **Jack Johnston** (ExxonMobil, retired)

Speakers:

- **Trevor Demayo** (Chevron), *"Future Transportation Fuels & Vehicles—Options, Opportunities, and Challenges"*
- **Robert Marlay** (U.S. DOE), *"Can Innovation De-Carbonize Transportation?"*
- **David Vincent** (Carbon Trust, UK) *"Smarter Ways to Stimulate Innovation and Create Value"*

Friday, July 31, 2009

7:30 – 9:00 a.m.

Breakfast

9:00 – 11:30 a.m.

Session VIII: GHG Policy: What's So Special about Transportation?

Moderators: **David Greene** (ORNL) and **Patrick Oliva** (Michelin Group)

Noon – 1:30 p.m.

Lunch

Steering Committee

John Boesel, CALSTART
David Burwell, BBG Group
John DeCicco, University of Michigan and
Consultant to Environmental Defense Fund
Carmen Difulio, U.S. Department of Energy
Duncan Eggar
Anthony Eggert, California Air Resources Board
Lew Fulton, International Energy Agency
John German, International Council on Clean
Transportation
David Greene, Oak Ridge National Laboratory
Tony Greszler, Volvo Powertrain
Ian Hodgson, Environment Directorate General,
European Commission

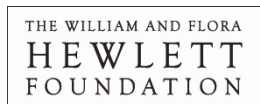
Cornie Huizenga, Clean Air Initiative for Asian Cities
Center, Asian Development Bank
Roland Hwang, Natural Resources Defense Council
Jack Johnston, ExxonMobil (retired)
Robert Larson, U.S. Environmental Protection Agency
Marianne Mintz, Argonne National Laboratory
Patrick Oliva, Michelin Group
Jonathan Rubin, University of Maine
Mike Savonis, Federal Highway Administration
Lee Schipper, Stanford University and University of
California, Berkeley
Dan Sperling, University of California, Davis
John Viera, Ford Motor Company
Steve Winkelman, Center for Clean Air Policy

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