



Columbia-Willamette Clean Cities

Presents

Transportation Sector Challenges A Time of Change

June 5, 2008

9 a.m. to 3 p.m.

Embassy Suites Hotel at PDX
7900 NE 82nd Ave. Portland OR

To register or find out more information go to www.cwcleancities.org

The transportation sector is seeing increased pressures from fuel costs, environmental concerns, and traffic congestion. There is an outcry for new fuel efficient technology. The growing world demand for fuel has put a pinch on the available supply. We see new record prices almost every day.

Nearly 70 percent of petroleum is used in the transportation sector. Of that amount, 77 percent is consumed by vehicles on our roads. The US imports two-thirds of the 21 million barrels a day of oil we use and more than \$1.25 billion leaves this country every day to pay for our consumption. Our energy security and economy are suffering due in part to our dependence on foreign sources of oil. The federal and state governments have put policies and incentives for biofuels in place to help with energy supply. This has brought criticism from some for food vs. fuel issues, land use and energy benefit issues.

We must now also deal with climate change, an issue that is taking center stage. If we do not bring greenhouse gas emissions under control, the resulting rise in temperatures will adversely affect human communities and natural systems around the world. The transportation sector is responsible for 40 percent of the greenhouse gasses accountable for global warming. The challenge for the transportation community is to develop strategies to reduce fossil fuel use, both to ensure energy security and to contribute toward efforts to reduce greenhouse gas emissions. We will need strategies such as advanced, energy-efficient technologies, shifts to non-carbon based fuels and energy sources, system management, and demand management strategies to reduce transportation's contribution to greenhouse gases.

Columbia-Willamette Clean Cities brings some experts to Portland to discuss these transportation sector challenges.

- Supply and demand issues of peak oil are challenging the transportation sector. Dr. Philip Carver from the Oregon Department of Energy will present this topic from his unique perspective as an economist.

- Food vs. fuel is also one of the big stories in the media today. Brent Searle from the Oregon Department of Agriculture will discuss what is impacting food supply and cost.
- The US Government's answer to fuel and climate change impacts on the transportation sector is the Energy Independence and Security Act (EISA) of 2007. This mandate will require a ramp up of biofuel production to 36 billion gallons produced each year by 2022. Included are requirements for greenhouse gas reductions. A representative* from the federal government will discuss the requirements and impacts on fuel supply and climate change in this comprehensive law.
- California is proposing a Low-Carbon Fuel Standard (LCFS) that would reduce transportation fuels carbon intensity by 10 percent by 2020. Oregon and other states are interested and could follow in the adoption of this policy. The California LCFS includes many fuel and vehicle strategies to achieve this ambitious goal. Dr. Sonia Yeh of UC Davis is working on the California LCFS and will speak on the need of the policy, life-cycle analysis for fuel use (well-to-wheels), fuel and vehicle technologies and how the policy will be implemented.
- One of the solutions is to use less fuel with more efficient technology. David Bryant of Freightliner Trucks a division of Daimler has one of the answers. David will give us an overview of hybrid and alternative fuel vehicles available with Daimler globally and specifics on these vehicles available in North America. He will discuss policy/legislative issues surrounding accelerating the adoption of hybrid vehicles.

The future of transportation is one of change. Find out more at this informative conference.

Go to www.cwcleancities.org for more information

* Representatives from the above organizations have committed to speak. As speakers are identified, we will add the information to this site.