



**West Coast Collaborative Trucking Sector
Conference Call Meeting Summary
Tuesday, February 5; 10am-11am PST**

International's Hybrid Initiatives Overview

Jim Williams, Director of Sales and Distribution, International Truck and Engine Corporation, provided an overview of International's hybrid initiatives.

Highlights from the Presentation

- International is a part of Navistar and is the largest producer of diesel engines in the world. In addition to heavy duty truck engines, International also produces engines for military vehicles and manufactures some of Ford Motor Company's medium-sized trucks. The company is also in the process of purchasing GM's Heavy Truck business. International did \$12 billion worth of business last year, and is expected to grow to \$15 billion this year.
- International launched a Green Diesel Hybrid Technology initiative to reduce greenhouse gases and reduce dependence on fossil fuels.
- This hybrid technology has almost completely removed particulates from the exhaust stream and has significantly reduced NO_x emissions.
- For trucks, the hybrid system is a pre-transmission system that uses a DC/DC converter and two batteries; school bus hybrids produced by International use a post-transmission system.
- In drive mode, the truck uses both the electric components and the diesel engine to operate the truck. The hybrid assistance to the engine improves the performance of the vehicle. When only the hybrid components are operating, the engine runs the air compressor and power steering. When the electric batteries are depleted, the engine acts as a generator to recharge the batteries.
- The electric components of hybrid system also allow the truck to operate equipment without having the engine on, which reduces emissions from idling. The electric battery can operate 1-2 hours without the engine on; when the batteries are depleted, the engine will automatically turn on, charge the battery, and then shut off, with the whole process taking 5-6 minutes.
- International is working on training more than 900 dealers around the U.S. and Canada to support this hybrid product.

For more information about International's hybrid and other environmental initiatives, visit:
<http://www.greendieseltechnology.com>



Westport's LNG Heavy-Duty Trucks Update

Jonathan Harris, Technical Sales Engineer, Westport Innovations, Inc, briefed the group on Westport's LNG heavy-duty trucks, their production agreement with Kenworth, and the new Westport assembly centre.

Highlights from the Presentation

- Westport Innovations has existed for about ten years, growing out of a research effort at the University of British Columbia.
- Westport and Kenworth Truck have recently announced a partnership to begin production of liquefied natural gas (LNG) trucks. Previously, Kenworth and Westport worked together to produce after-market LNG trucks; under this new agreement, trucks will be produced in an integrated production line system.
- To help support production of these trucks, Westport will be opening a new facility in British Columbia.
- Westport has also recently signed an agreement with Wal-Mart. Wal-Mart will introduce four LNG trucks at its distribution centers in California. This deployment is supported in part by Mojave Desert Air Quality Management District's (MDAQMD) Mobile Source Emission Reductions Competitive Bidding Program.

For more information about Westport Innovations, Inc., visit: <http://www.westport.com> or email sales@westport.com.

West Coast Collaborative Update

Kristin Riha, Sector Lead, updated the workgroup on organizational changes to the West Coast Collaborative and provided an update on current and upcoming funding opportunities.

- Peter Murchie, Program Lead, has left the West Coast Collaborative to work on climate change issues. The Collaborative is seeking a new Program Lead. Until a new Lead is named, Kristin Riha will be the interim Lead. In April, Kristin will be going on maternity leave, so there will be another interim Lead for the Collaborative and the Trucking Sector during this time.
- The FY 2008 RFP is expected to be released in mid-March, and will focus on funding deployment projects rather than demonstration projects. The funding will also focus on larger grants to fewer recipients. A webcast on this funding was held on February 20th and the materials from this event are available on the Collaborative website: <http://www.westcoastcollaborative.org>.



Participants*

Freya Arick, Sacramento Metro AQMD
Jon Brock, US EPA Region 9
Dave Chaffin, Alarron
Allison Clark, IdleAire
Kevin Downing, OR DEQ
Wayne Elson, US EPA Region 10
Ray English, Blackrock Systems
Norman Fassler-Katz, California State Senate Transportation Sub-Committee on California Ports
and Goods Movements
Dawn Fenton, Diesel Technology Forum
Tom Gardiner, Cummins Northwest
Andrew Green, Environment Canada
Jim Halloran, Caterpillar
Jonathan Harris, Westport Innovations, Inc.
Julie Kercher, TIAX
Jeff Kim, ShorePower Technologies
Sandor Lau, Cascade Sierra Solutions
Tim Leong, Port of Oakland
Michael Mann, US EPA Region 9
Mike Miguel, California Air Resources Board
Kelly Mills, Westport Innovations, Inc.
Chet Reilly, Broadway Truck Stops
Kristine Rigby, Vancouver Fraser Port Authority
Kristin Riha, US EPA Region 9
Scott Ruland, Cummins Northwest
Daniel Serrano, Peterson Power Systems
Elizabeth Stratton, Washington Department of Transportation
Rick Teebay, LA County Dept. of Public Works
Bob Wallace, WHI Resource Group
Amy Wheelless, Ross & Associates
Jim Williams, International Truck and Engine Corporation

*Sorry if I missed anyone