

Moving Passenger and Freight Beyond Oil



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Beyond Oil—Transforming Transportation

The Organization

An ongoing program in its 6th year

- Sponsored by the Cascadia Center
- Funding through the Bill and Melinda Gates Foundation
 - Other conference sponsors

Beyond Oil—Transforming Transportation

Promoting Green Transport through Education & Dialogue

- ✓ Formal joint Cascadia conferences
 - ✓ Beyond Oil Microsoft Conference Center – Oct 23
- ✓ White Papers, Seminars, Field Trips & Workshops connecting communities and people throughout the Northwest
- ✓ Alliances with similarly minded groups throughout the West
 - ✓ ie: West Coast Corridor Coalition – I -95 Coalition

Beyond Oil—Transforming Transportation

A Practical Program of Specific Initiatives

Track #1

- A Sweeping Program to Convert to Clean Electricity and Advanced Alternate Fuels
- Conversion to Plug In Electric Vehicles
- Electric Infrastructure across the highway grid

Track #2

- Reduce Driving on the Highways
- Transit
- Ridesharing – Van Pools – HOV Lanes
- Telework



Beyond Oil—Transforming Transportation

A Practical Program of Specific Initiatives

Track #3: Beyond the Gas Tax

New Sources of Revenue for Building Transportation

- Vehicle Miles Traveled
- Weight Distance
- Congestion Pricing
- Tolling

Beyond Oil—Transforming Transportation

A National Demonstration Project

The practical objective is to:

- Identify game changing Demonstration Projects within Track 1, 2,3 & 4 that will reduce the carbon footprint and lower oil consumption
- Bring those projects forcefully to the attention of Congress, the Obama Administration, the states, local units of government and Public Private Partnerships

Track #4? - What is Track #4?

Beyond Oil—Transforming Transportation—Track 4

“Rebalancing Freight & People between the Highway and Rail Modes”

Greening of the mass carriers of freight and people

With the objectives of

- Reducing the Carbon Footprint of commercial railroading and truck by technological innovation
- Policies to create a modal rebalance of freight & people between highways and rail to reduce highway pressure and energy consumption.

Beyond Oil—Transforming Transportation—Track 4

“Rebalancing Freight & People between the Highway and Rail Modes”

The Program: Seminars, Workshops and Conferences

- Launch is Today
- Cascadia Rail Week—Seattle to Portland: May 27 to 29, 2009
- Upcoming events
 - Washington, D.C. & Seattle: September
 - Climate Change Workshops—West Coast Corridor Coalition: February 2010
 - Potential Beyond Oil Exhibit—Vancouver Olympics
- Papers
 - Rail Week Presentations saved on the web
 - Cascadia White Paper -Beyond – Oil “A Modal Shift”

Beyond Oil—Transforming Transportation—Track 4

“Rebalancing Freight & People between the Highway and Rail Modes”

A National Demonstration Program

Picking the Projects & the Program

Establish a Membership Committee

“RoadRail Energy Alternatives

CascadiaCommission for Tomorrow – REACT”

- Not exclusive—All interested individuals and companies may join
- Executive Committee picked from Experts will identify Policies and Demonstration projects

Beyond Oil—Transforming Transportation—Track 4

“Rebalancing Freight & People between the Highway and Rail Modes”

SUBCOMMITTEES ON DEMONSTRATION PROJECTS

Lowering the Carbon Footprint of Rail and Trucking

- Truck/Rail – Use of biofuels – locomotive & trucks
- Truck – Exclusive truck lanes
- Rail – Velocity improvement through Signal enhancement - Positive Train Control
- Rail – Electrification of rights of way
- Truck – Electric Infrastructure on the highway grid
- Truck/Rail – Introduction of bimodal cars and state of the art intermodal equipment
- Rail – Railroad Ties to Biofuel – Zero Legacy Ties
- Truck –Rail-- The Role of PPPs

Beyond Oil—Transforming Transportation—Track 4

“Rebalancing Freight & People between the Highway and Rail Modes”

Policies & Game Changing Demonstration Projects
to create a modal shift from the highway grid to the rail grid

- An Interstate High Speed Rail Passenger Network
 - Policy—A passenger trust fund – Innovative Finance - Tax Incentives
 - Demo – Incremental Corridor project – Cascadia Corridor
 - Demo – True High Speed – Nevada/California
- A National Freight Program
 - Policy – A freight trust fund - tax incentives – innovative finance
 - (Coalition on America’s Gateways & Trade Corridors Program - CAGTC)
 - Demo- Eastside Rail Corridor Project (BNSF line- Lake Washington)
 - Policy – Connect the Alternative Energy Infrastructure with the rail grid
 - Demo – Washington Project - Rail & Trash to Biomass

Beyond Oil—Transforming Transportation—Track 4

“Rebalancing Freight & People between the Highway and Rail Modes”

Today, we initiate Track 4 in Seattle and Portland

We begin the process of exploration. We will look at:

- High Speed Rail Legislation & The Cascadia Corridor
- Amtrak in the New Era
- European High Speed Rail – Will it come to America
- Moving Freight & People on the same track
- New technologies in rail such as DMUs

LET THE GAMES BEGIN!

Beyond Oil—Transforming Transportation—Track 4

“Rebalancing Freight & People between the Highway and Rail Modes”

“This Nation must move off its addiction to oil both to achieve energy security and to reduce carbon emissions that are taking us down the path of global warming. There is perhaps not single initiative that can be more effective than improving the technology of trucking and rail, moving to electric solutions for mass movers of freight and people and rebalancing freight and people between the highway and rail grids”

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