



# Green Transportation Summit & Expo



## Conference Agenda

Portland Expo Center Building D, 2060 N Marine Dr. Portland, OR 97217  
April 11<sup>th</sup> – 12<sup>th</sup>, 2017

### Monday, April 10, 2017

- 9:00 am 5:00 pm **Registration Open**  
Conference attendees can pick up their registration badges at the [Portland Expo Center 2060 N Marine Dr. Portland, OR 97217](#) from 9:00 am to 5:00 pm in Building D on the first floor at the registration counters.
- 8:00 am 5:00 pm **Train The Trainer – NFPA’s Alternative Fuel Vehicles Safety Training Course – FREE** for First Responders and Fleet Professionals @ The Portland Expo Center Please join us for the NFPA “Train the Trainer” Alternative Fuel Vehicles Safety Training Program. This course was created to provide guidance on how to safely deal with emergency situations involving alternative fuel passenger vehicles, trucks, buses and commercial fleet vehicles. The recently revised training now covers electric, hybrid, fuel cell and gaseous fuel vehicles, including CNG, LNG, and LPG. **TO REGISTER, PLEASE VISIT: <https://nfpatrainthetrainer.eventbrite.com>**
- 4:00 pm 7:00 pm **Daimler VIP Reception**  
The first 150 to register will be invited to this special attendee reception at Daimler’s new state of the art corporate headquarters on Swan Island. They are located about 2 miles from the Portland Expo Center. For more info email Brian Trice @ [triceb@linnbenton.edu](mailto:triceb@linnbenton.edu) Beer, wine, and food will be provided.

### Tuesday, April 11, 2017

- 7:00 am 3:00 pm **Registration Open**

8:00 am 8:20 am

## General Session

### Conference Welcome - Richard Battersby

**Richard Battersby** - *City of Oakland/Eastbay Clean Cities Coalition, Fleet Manager/Coordinator*

Richard is the Manager of Equipment Services for the City of Oakland, CA and is the Director of the East Bay Clean Cities Coalition. He has been working with alternative fuel vehicles for 18 years and has over 25 years in the fleet industry managing public and private sector fleets ranging in size from 700 to 7,000 vehicles. Richard is a Certified Automotive Fleet Manager (CAFM) and Certified Public Fleet professional (CPFP) and has been named Public Sector Fleet Manager of the Year by both Government Fleet Magazine and the American Public Works Association. He is also an inductee into the Department of Energy Clean Cities and Public Fleet Manager Halls of Fame. Richard is a US Army veteran and has a BS degree from the California State University, Sacramento.

8:25 am 9:20 am

## General Session

### Opening Keynote Address - Michael Britt

**Michael Britt** - *UPS - Director of Maintenance & Engineering International Operations Ground Fleet*

Michael has spent 29 years at UPS. He has worked in different capacities spending time in operations, industrial engineering and automotive engineering. For 10 years he worked in California as the Region Automotive Engineering Manager and has a clear understanding of the environmental concerns in that state. Michael has led efforts in alternative fuel projects and technology development for the domestic fleet and recently for the international fleet. These projects include compressed natural gas, liquefied natural gas, propane, electric technology, hydrogen fuel cells, and hybrid vehicle development including both hybrid electric and hydraulic hybrid technologies. Presently, he manages maintenance and engineering for all international operations and continues to manage fleet sustainability issues globally for UPS.

9:25 am 9:45 am

**Joreg Ferchau** – CEO, Efficient Drivetrains Inc. *“The race to Zero Emissions—Advanced PHEV and EV Drivetrains”*

As CEO of Efficient Drivetrains, Inc. (“EDI”), Joerg Ferchau is redefining innovation for the hybrid, plug-in hybrid, and electric vehicle drivetrain industry. Since 2006, he has been leading the clean tech company’s creation, development and commercialization of complete hybrid and electric drivetrain solutions, continuously variable transmissions and drivetrain software for leading automotive manufacturers worldwide. Reflecting his passion to clean the air for a healthier planet, Ferchau has created many ‘world’s first’ concepts that are helping the world’s largest automotive brands solve their toughest challenges – such as the utility truck solution that reduces emissions and fuel consumption by up to 80%. Ferchau has an extensive entrepreneurial background, successfully launching startup companies, such as EDI and IS3, as well as establishing new business and international market presence within large corporations such as SanDisk, Compaq Computers, Atalla Security Products, and Tandem Computers. Ferchau holds more than 25 patents and has received numerous international product design awards. He serves as a board advisor to several emerging Silicon Valley startups in the clean/green tech, digital security, and technology industries

10:00 am 11:00 am

### Concurrent Training - Rooms D202-D204



**The Case for Freight Sustainability in Communities - Room D202**

Efficient goods movement is essential to establishing and sustaining economically viable communities. Yet local and regional planners must balance economic goals with livability and environmental concerns related to freight transportation in residential communities. This session will present innovative strategies for creating accessible freight networks that meet the needs of the communities of the future. Panelists will discuss solutions and best practices for addressing freight impacts at the local, state and regional levels.

**Moderator: Tracie Jackson-Hall** - U.S. Environmental Protection Agency, SmartWay

**Panelists:**

**Robert Hillier** - Freight Planning Coordinator, City of Portland

**Jason Brown** - North Central Texas Council of Governments (NCTCOG)

**John Thornton** – Principal, CleanFuture, Inc.

**Presented By:**



### **Connected Vehicle Tech for Fleet Managers and Emergency Responders – Room D203**

Connected vehicle technologies are maturing rapidly, giving fleet managers increased information and control over their operations. In this session, Verizon’s Chris Ransom will explain how connected vehicle technologies can help fleet managers save fuel, maximize time spent at job sites, and improve efficiency. Cory Hohs from HAAS Alert will show how their platform helps emergency responders issue warnings, providing alerts to other drivers to stay away from incident locations as they send their data through to automotive, navigation, traffic data suppliers along with smart city grids. Andrew Dick from the Oregon Department of Transportation will discuss the next wave of connected vehicle technology in consumer vehicles, and how it will improve the safety of the transportation system.

**Guest Speakers:**

**Andrew Dick** - Connected, Automated, and Electric Vehicle Advisor - Oregon Department of Transportation

**Cory Hohs** – CEO, HAAS Alert

**Chris Ransom** – Managing Partners & Solutions Architects, Verizon Telematics



### **Renewable Diesel Specifics: What Fleet Managers & Fuel Purchasers Need to Know – Room D204**

Not all renewable diesel is created equal. Hear about the finer points of Renewable Diesel from impartial industry experts regarding feedstock and production influences on carbon intensity, GHG emissions, clean fuel standards and more. This session will prepare fleet managers and fuel purchasers to evaluate different Renewable Diesel options in the market, understand cost vs emissions reductions, make informed procurement decisions and ensure fleets are maximizing dollars spent to meet sustainability goals.

**Moderator: Richard Battersby** – Fleet Manager, City of Oakland / East Bay Clean Cities

**Panelists:**

**Andrea Pratt** – Green Fleet Program Manager, City of Seattle

**Cory Ann Wind** – Manager, Oregon Clean Fuels Program

**Phillip Saunders** - Contract Specialist, Dept. of Enterprise Services, Washington State

11:15 am 12:30 pm

## General Session

### Lunch in Expo Hall D



#### Funding Opportunities for Clean Transportation and Alternative Fuels – Expo Hall D Mainstage

Learn about funding opportunities from the U.S. Department of Transportation, U.S. Department of Energy, the Environmental Protection Agency (EPA) and the EPA's civil enforcement case against Volkswagen, which resulted in a three billion mitigation fund for state trustees.

**Moderator: Matt Schrap** - President, California Fleet Solutions / VP, Government Programs Velocity Vehicle Group Crossroads Equipment Lease and Finance

**Panelists:**

**Wendy Dajoe** – Senior Project Leader, National Renewable Energy Laboratory / U.S. DOE Clean Citi

**Kevin Downing**, Oregon Department of Environmental Quality – Volkswagen Mitigation Trust

**Dan Brown** - EPA Region 10, West Coast Collaborative - Diesel Emission Reduction Act (DERA)

12:30 pm 1:00 pm

### Networking Session/ Exhibit Hall D Open

1:15 pm 2:30 pm

### Concurrent Training - Rooms D202-D204



#### Clean Technology for Medium/Heavy Duty Transportation – Room D202

This session will provide insight and opportunities for cost reductions and effective ways to improve vehicle efficiency. Learn about long term vision for commercial vehicles, advanced clean diesel technology and an array of other clean technology and fuel options including: Daimler's Supertruck 2 project, American Power Group's Dual Fuel (CNG/Diesel) technology, and Cummins Westport's Near-Zero Engine technology.

**Moderator: John Mikulin**- Public Fleet & Trucking Sector Lead, West Coast Collaborative, Technology & Partnerships Office - Air Division, United States Environmental Protection Agency, Region 9

**Panelist:**

**Justin Yee**- Principal Investigator Supertruck 2, Daimler Trucks North America

**Dan Goodwin**– Vice President, Technical Marketing and Government Affairs, American Power Group

**Charlie Ker** – Director, Industry Relations, Cummins Westport

Presented by:



#### Electrifying Your Fleet - How to Start, Scale Up and Succeed – Room D203

This session will provide practical guidance and best practices on how to electrify your fleet...either starting small with scalability in mind or going whole hog. Fleet professionals will discuss how they've integrated EVs into their fleets including purchasing costs and methods, grant funding, infrastructure, use, range anxiety, and maintenance - and whether total cost of ownership makes EV expansion a reality

**Moderator: Randy Wilde**-Project Coordinator, Center for Sustainable Energy / San Diego Clean Cities Coalition

**Panelists:**

**Dan McConnon** - Director (Governor's EV Fleet Initiative) State Efficiency and Environmental Performance, Washington DES  
**Jeff Esfeld** - Director – Light Duty Fleet Sales & Business Development, Workhorse Commercial Truck Group  
**Tyler Svitak** - Energy and Transportation Administrator Department of Environmental Health, City and County of Denver  
**Michael Jones** - Vice President Sales, NA West, ChargePoint



#### **New Realities of Telematics – Room D204**

Telematics has evolved to give fleet professionals more data and control than ever before. Modern fleet vehicles are connected to the web, to your drivers and to each other. This session will focus on current in-vehicle technology that fleets are using to reduce accidents, optimize efficiency and improve productivity. Find out the latest developments in vehicle telematics.

**Moderator: David Pope** - Senior Government Sales Manager, Western Region, GPS Insight

**Panelists:**

**Richard Battersby** – Fleet Manager, City of Oakland

**Michael Johns** – Fleet and Operations Manager, Lane County

**Mike Sterle** – Fleet Manager, City of Beaverton

2:40 pm      3:40 pm

#### **Concurrent Training - Rooms D202-D204**



#### **Don't Make That Mistake - Better Transit Through Applied Research – Room D202**

Making decisions on moving people is complicated business, especially when procuring long-term assets in an environment of rapidly changing technology. The National Renewable Energy Laboratory is researching the latest fuel cell and battery zero-emission technologies deployed on the streets; the Federal Transit Administration is launching its ZERO program to deal with solving practical problems; *and bus manufacturers or electric utilities are working to improve the technology and its deployment.* This session will shed light on where things are and where they're going and prepare you to make better-informed decisions.

**Moderator: Kelly Gilbert** - Program Director, Clean Cities / Metropolitan Energy Center

**Panelists:**

**Leslie Eudy** - Senior Project Leader, National Renewable Energy Laboratory

**Mac Burns** – Regional Sales Director, Proterra Inc.



#### **Installing EV Infrastructure – Case Studies & Best Practices – Room D203**

As fleets look to purchase more electric vehicles, planning and installing EV infrastructure is key. Gain information on case studies, lessons learned and best practices related to small and large EVSE projects. If you are thinking about EVs or are looking to grow your EV fleet, this info sharing session will provide valuable considerations for fleet managers or others entering the new territory of vehicle electrification infrastructure projects.

**Moderator: Zach Henkin** – Program Manager, Drive Oregon

**Panelists:**

**Andrea Pratt** – Green Fleet Project Manager, City of Seattle

**George Carter III** – Fleet & Parking Manager, DES Fleet Operations

**Rick Durst** – Project Manager, Customer Energy Solutions, Portland General Electric



### **Bringing Out the Best: Biodiesel & Renewable Hydrocarbon Diesel – Room D204**

It seems weekly there is a new announcement of a government fleet or trucking firm considering switching to renewable hydrocarbon diesel (RHD). With RHD’s ability to meet alternative fuel goals with no infrastructure changes, it is an attractive alternative to petroleum diesel. But, demand has quickly outpaced supply. What many people may have forgotten is that biodiesel blends are readily available and can meet many of the same requirements. This session will discuss how RHD fits into the overall biomass-based diesel landscape and how renewable diesel; / biodiesel blends can provide supply availability while exhibiting the combined emissions benefits of both fuels.

**Moderator: Robin Gold** – Coordinator, Alternative Fuels & Technologies, Western Washington Clean Cities

**Panelists:**

**Dr. David Slade** - Executive Director of Biofuels Technology and Services, Renewable Energy Group (REG)

**Kevin Kuper** - Finished Products Manager, SeQuential

**Brian Deninger** – President, incredible Adventures and Dogpatch Biofuels

3:00 pm    6:30 pm    **Expo Hall D Open** - Open for all attendees and general public.

4:00 pm    6:30 pm    **Attendee Networking Reception & The First Annual Western Region Sustainable Fleet Awards** (*sponsored by Clean Cities Coalitions in the western region*) This will take place in Expo Hall D on the main stage. Fleets throughout the west going above and beyond to make their operations more sustainable. We’ll also honor an individual who goes the extra mile to help there fleet clean up GHG emissions. To download an application, visit [GTSummitexpo.com](http://GTSummitexpo.com)

### **Wednesday, April 12, 2017**

8:00 am    11:00 am    **Registration Open**

8:00 am    4:00 pm    **The GTSE is a partner for Odyssey Day 2017** – If you are not already registered for the GTSE , then [Download flyer](#) to register for Odyssey Day and receive a complimentary 1 day pass, that includes access to breakout sessions, Expo Hall and Ride & Drive (Lunch is an additional cost). For more info contact: Brian Trice at [triceb@linnbenton.edu](mailto:triceb@linnbenton.edu).

Come join us for a **Free** full day dedicated to providing clear, concise information about alternative fuels and alternative fuel vehicles. Enjoy viewing and driving many of the vehicles that will be on display, proof of a valid driver’s license is required. This years' agenda topics will include industry professional's briefings on Electric Vehicle availability and advancements, Electric/Hybrid Technician Training, and how Propane Autogas can be an excellent, and cost saving, fuel for fleets and municipalities across the state. Additional presentations will include Renewable Diesel # 1 Drop in Fuel for Fleet Managers in the Western Region.

**Presented by:**



8:00 am 9:15 am **Concurrent Training - Rooms D202-D204**



**How to Build an Alternative Fuel Corridor for Medium/Heavy Duty Vehicles – Room D202**

How lessons from past deployment of alternative fuel infrastructure combine with the practical needs of fleets to meet the vision of the future.

**Moderator:** *Carl Lisek - Director, South Shore Clean Cities Coalition*

**Panelists:**

**Wendy Dajoe** - Senior Project Leader, National Renewable Energy Laboratory / U.S. DOE Clean Cities

**Dianne Turchetta** – Transportation Specialist, Federal Highway Administration

**Allen Nielsen**, Senior Manager, Business Development, Trillium CNG a Love’s Company



**Hybrid/Electric Vehicle Technology Technician Education: Setting the Standard – Room D203**

Advanced Vehicle Training Group NW is a consortium of colleges and industry that are preparing technicians to work in advanced hybrid electric vehicle and electric vehicle (electric drive) diagnostics, maintenance, and repair. Presenters will illustrate advanced testing on HEV electric machines with an All Test Pro-33 and a PICO Scope on a Gen II Prius Transmission; discuss educational design and implementation strategies, including the concept of “open badging,” with a sample of open badging available to participants; and share how regional educational and industry partners have formed an educational consortium to prepare colleges to address the growing technician readiness gap in this emerging field.

**Presenters:**

**Ken Mays** – Technology Chair, Oregon Central Community College



**Why Propane Autogas, Provides Your Best ROI. – Room D204**

The Fuel Purchasing markets evolve daily, with upswings, downswings, and headwinds that can paralyze an operation. One trend has proven reliable - over the last 25 years, the price of propane has averaged about 40% less than conventional fuels. Choosing the right alternative fuel technology can be a challenge for most fleet professionals. Learn from the fleets, service providers and conversion companies helping sustain the success of Propane Autogas in the Pacific NW.

**Presented by:**

**Moderator:** *Christina Roberts – National Accounts Manager, Suburban Propane*

**Panelists:**

**Albert Venezio** – President, ICOM North America

**Will Ludeman** – Fleet Manager, City of Anacortes, WA

**Darren Engle** – Director of Governmental Affairs, Blue Star Gas



9:30 am 11:00 am **Concurrent Training - Rooms D202-D204**



### **Top Maintenance Practices – Diesel Particulate Filters (DPF) – Room D202**

Diesel particulate filters (DPFs) are emission control devices designed to clean the exhaust emitted by vehicles' diesel engines. Understanding how a DPF works in a diesel engine's exhaust system is the key for proper maintenance. Paying attention to the frequency of a vehicle's regeneration cycles is the most effective way to determine whether or not there has been significant ash buildup in the DPF. Ignore regular maintenance at your own risk. In this session you will learn:

1. Understand how a diesel particulate filter (DPF) functions
2. Learn the DPF warning signs that indicate that the DPF is not working correctly or is in need of maintenance / regeneration.
3. Identify the impacts of accumulated particulate matter

**Moderator: Gary Lentsch** – Fleet Manager, Eugene Water Electric Board

**Guest Speaker: Peter Tuckerman** – Vice President, Diesel Emissions Service



### **Electric Transit Buses Delivering Clean Power to the People – Room D203**

Northwest transit agencies are leading the charge to incorporate battery electric transportation into service. Hear how they evaluate technology, charging infrastructure and opportunities to leverage resources and make it happen.

**Moderator: Rick Durst** – Project Manager, Customer Energy Solutions, Portland General Electric

**Panelists:**

**Todd Daniel** - Maintenance and Technology Manger, Link Transit

**Kelly Hoell** – Transportation Development Manager, Lane Transit District

**Peter Melin** - Project Director, Zero-emission Fleet Technologies, King County Metro Transit

**Young Park** - Senior Manager Transit Development, TriMet Capital Projects and Construction



### **Electric/Hybrid Technology Bolted on to Your Existing Fleet – Room D204**

Learn how to lower your fuel cost and your GHG emissions footprint, without having to purchase new vehicles. After-Market hybrid and electric vehicle technology has made tremendous strides over the past 5 years, and the fleet demand for this product is now!

Learn from the companies that make these innovative technologies.

**Moderator: Rick Wallace** – Senior Policy Analyst, Oregon Dept. of Energy

**Panelists:**

**Joreg Ferchau** – CEO, Efficient Drivetrains Inc. “The race to Zero Emissions—Advanced PHEV and EV Drivetrains”

**Bonnie Trowbridge** – VP of Communications, Lightning Hybrids

**Christine Smith** - Vice President of Sales & Marketing, Zenith Motors

**Clay Siegert** - Chief Operating Officer, XL Hybrids.

11:15 am 12:30 pm

### **General Session**

**Keynote Address - “Renewable Fuels Lunch”**

**Dayne Delahoussaye** - Head of North American Public Affairs, Neste US



Dayne currently serves as the Head of Public Affairs for North America. Dayne leads Neste's stakeholder outreach programs. Prior to Neste, Dayne was a lawyer in private practice. When not talking about renewable diesel, Dayne enjoys spending time playing music. As a 100% drop-in fuel, renewable diesel offers GHG and criteria pollutant emissions reduction without any infrastructure or vehicle modification required. Leading agencies are already seeing its potential and use in the medium- and heavy-duty transportation space as a way to displace fossil diesel.

1:00 pm      4:00 pm      **Expo Hall Open / Alternative Fuel Vehicle Ride & Drive**

Attendees have the choice to walk the Expo Hall floor or participate in the Ride & Drive or a little of both. Attendees must be registered with the GTSE, have a valid driver's license, and be at least 18 years of age. All attendees that participate in this event must fill out and sign a liability waiver at the Conference registration desk. For more information you can visit [GTSummitexpo.com](http://GTSummitexpo.com)

4:00 pm      **Conference Adjourns**