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ACT Expo is presented in partnership with Informa Commercial Vehicle Intelligence group and its transportation-focused media outlets: Fleet Owner, American Trucking, Bulk Transporter, Refrigerated Transporter, Trailer Body Builders, and Wards Auto. This partnership signifies the importance of fleet sustainability across all vehicle weight classes and fuel types.
Each year, ACT Expo brings together a national network of organizations to provide expertise and insight on the technologies and policies that are shaping the world of advanced transportation technologies.

Industry associations and non-profits across the commercial transportation space partner with ACT Expo each year to host co-located events, provide support in planning the agenda, and engage with a diverse audience of transportation industry professionals from around the globe.

To help ensure that the programming addresses the most relevant topics for fleet managers, the agenda is planned with the ongoing assistance of fleets that collectively manage hundreds of thousands of commercial fleet vehicles.

The US Department of Energy’s Clean Cities local chapters provide programming and speaker recommendations to help ensure that sustainable transportation initiatives across the nation are highlighted. Clean Cities is celebrating its 25th year of progress in advancing the nation’s economic, environmental, and energy security.
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Advanced Clean Technology Display Vehicles & Equipment

**ABB Inc.:** All-in-One Electric Vehicle Fast Charging Unit

**BYD:** 40’ K9 All-Electric Transit Bus

**Chanje/Ryder:** All-Electric Panel Van

**Daimler Trucks North America:**
- Freightliner CNG Cascadia Class 8 Truck
- Freightliner CNG M2-112 TYMCO Sweeper

**Effenco:** Hybrid-Electric Yard Tractor with Active Stop-Start Technology

**eNow Energy:** All-Electric Solar-Based Refrigerated System

**Envision Solar:** Solar Electric Vehicle Charging Unit

**GreenPower Bus:** Porterville Transit, EV350 – All-Electric Transit Bus

**GreenPower Bus:** SYNAPSE All-Electric Shuttle Bus

**General Motors:**
- Chevrolet, Bolt EV
- GMC, Terrain SUV

**Green4U:** Surge NEV (Neighborhood Electric Vehicle)

**Green4U:** All-Electric MTU-6 SUV with a 230 Mile Range

**A V M:** All-Electric EV27 Shuttle Bus

**Agility Fuel Systems:**
- Freightliner Cascadia Day Cab w/ an Agility ProCub 175 Behind-the-Cab CNG Fuel System
- ECB 25 All-Electric Forklift

**BYD:**
- 40’ K9 All-Electric Transit Bus
- ECB 25 All-Electric Forklift
- Long Range All-Electric Class 6 Truck
- ECB 25 All-Electric Forklift
- P20JW All-Electric Walkie Pallet Truck
- 40’ K9 All-Electric Transit Bus
- 40’ K9 All-Electric Transit Bus

**Bergstrom:** Chevy Tahoe featuring NITE Hawk-S No-Idle HVAC

**Cummins Westport:**
- B6.7N Ultra Low NOx Natural Gas Engine
- ISX12N Ultra Low NOx Natural Gas Engine

**Daimler Trucks North America:**
- Freightliner CNG Cascadia Class 8 Truck
- Thomas Built C2 CNG School Bus

**Daimler Trucks North America:**
- Freightliner CNG M2-112 TYMCO Sweeper

**Clean Wave Technologies:**
- Supercar-derived EV Drivetrain Technology integrated by XING Mobility

**Effenco:** Hybrid-Electric Yard Tractor with Active Stop-Start Technology

**Envision Solar:** Solar Electric Vehicle Charging Unit

**GreenPower Bus:**
- Porterville Transit, EV350 – All-Electric Transit Bus
- SYNAPSE All-Electric Shuttle Bus

**Green4U:**
- Surge NEV (Neighborhood Electric Vehicle)
- All-Electric MTU-6 SUV with a 230 Mile Range

For the latest agenda, speaker, and exhibitor information, download the mobile app at www.actexpo.com/mobileapp
Hino Trucks: Hybrid-Electric Box Truck

Hyliion: Hybrid-Electric Freightliner Cascadia CA125SLP

Kenworth: Hybrid Electric Cargo Transport Chassis

International: IC charge All-Electric Bus

Kenworth: Class 8 Chassis ISX12-G Engine with Worthington Fuel Tanks

Lightning Systems: All-Electric Ford Transit Van

LION Electric: eLION All-Electric School Bus

Meritor: Kalmar, All-Electric Yard Tractor

Meritor: Navistar ProStar, Electric Class 8 Truck

Meritor: Peterbilt, All-Electric Refuse Truck

Mitsubishi Fuso: All-Electric eCanter Box Truck

Motiv Power Systems: EPIC All-Electric Walk-in Van

NACFE: Run on Less Volvo VNM Day Cab with Efficiency Technologies

Onboard Dynamics: GoFlo CNG80 Mobile Natural Gas Compressor

Optimus Technologies: 100% Biodiesel Class 8 Volvo Truck

Phoenix Motorcars: All-Electric Zero-Emission Utility Shuttle

PERC: Blue Bird Vision Propane School Bus

Peterbilt: Model 579: Electric Powertrain & Ultra Low NOx Emissions Natural Gas Engine

For the latest agenda, speaker, and exhibitor information, download the mobile app at www.actexpo.com/mobileapp
Keynote Speaker - Tuesday, May 1

Jay Craig, Chief Executive Officer and President

Jeffrey “Jay” Craig is chief executive officer and president of Meritor, Inc. Previously, he was president and chief operating officer, with oversight of Meritor’s business segments — Commercial Truck & Industrial and Aftermarket & Trailer. He has been a member of the Meritor Board of Directors since April 2015. Prior to taking on the role of president and chief operating officer, Craig was senior vice president and president of Meritor’s Commercial Truck & Industrial segment. He served as senior vice president and chief financial officer at Meritor from 2009 to 2013 and has held various leadership positions at the company since 2006. Before joining Meritor, Craig served as president and chief executive officer of General Motors Acceptance Corp.’s (GMAC) Commercial Finance organization from 2001 to 2006. Prior to that, Craig was president and chief executive officer of GMAC’s Business Credit division from 1999 until 2001. He joined GMAC as a general auditor in 1997 from Deloitte & Touche, where he served as an audit partner. Craig holds a Bachelor of Science degree in accounting from Michigan State University and a Master of Business Administration from Duke University in Durham, North Carolina.
Featured Speakers

Tamara Barker
Chief Sustainability Officer & Vice President of Environmental Affairs
UPS

Bill Bliem
Senior Vice President Fleet Services
NFI Industries

Steve Center
Vice President, Environmental Business Development Office
Honda

Bill Combs
Director of Connected Fleet
Penske Truck Leasing

Andrew Cullen
Senior Vice President Fuels & Facility Services
Penske Truck Leasing

Elizabeth Fretheim
Senior Director, Supply Chain Sustainability
Walmart

Julie Furber
Executive Director of Electrification
Cummins

Steve Gilligan
Vice President, Product and Vocational Marketing, North American Business Unit
Navistar

Darren Gosbee
Vice President Engineering
Navistar

Bill Kahn
Principal Engineer
Peterbilt

Jason Krajewski
Director, Truck Connectivity
Daimler Trucks North America

Ali Kashani
Head of Postmates X
Postmates

Brian Lingren
Manager – Research & Development
Kenworth

Kathleen Logocki
Chief Executive Officer
Agility Fuel Systems

Stella Li
President & Chief Executive Officer
BYD Motors

Wayne Nastri
Executive Officer
South Coast Air Quality Management District

Mary Nichols
Chair
California Air Resource Control Board

Michael O’Connell
Vice President Supply Chain, Fleet Sustainability
Frito Lay

Timothy Papandreou
Strategic Partnerships Manager
Waymo

Tucker Perkins
President and Chief Executive Officer
Propane Education & Research Council

Joshua Schank
Chief Innovation Officer
Office of Extraordinary Innovation LA Metro

Janea Scott
Commissioner
California Energy Commission

Lauren Skiver
Chief Executive Officer & General Manager
SunLine Transit

Marc Sears
Head of Strategic Accounts
Mercedes-Benz USA

Brendan Wiggins
Global Fleet Analytics Manager
PepsiCo

For the latest agenda, speaker, and exhibitor information, download the mobile app at www.actexpo.com/mobileapp
Long Beach Convention Center

Location
Long Beach Convention Center
300 E Ocean Boulevard
Long Beach, CA 90802

For the latest agenda, speaker, and exhibitor information, download the mobile app at www.actexpo.com/mobileapp
### Agenda at a Glance

**General Session**

**Breakout Session**

**Workshops & Forums**

**Networking Opportunities**

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**Monday, April 30**

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<tr>
<th>TIME</th>
<th>EVENT</th>
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<tbody>
<tr>
<td>9:00am</td>
<td>Battery Technology Workshop</td>
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<tr>
<td>10:00am</td>
<td>NAFA Pacific Southwest Chapter Executive Strategy Session (Invite Only)</td>
</tr>
<tr>
<td>10:00am</td>
<td>NGV Global Technical Forum and General Assembly</td>
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<tr>
<td>12:30pm</td>
<td>BSR’s Future of Fuels’ Buyer Supplier Roundtable</td>
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<tr>
<td>1:00pm</td>
<td>NGV America Executive Committee Meeting (Invite Only)</td>
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<tr>
<td>1:00pm</td>
<td>City of Long Beach Fleet Tour</td>
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<tr>
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<td>CHBC Hydrogen and Fuel Cell On-Road Freight Workshop</td>
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<tr>
<td>1:00pm</td>
<td>Connected Vehicle Technology Workshop</td>
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<tr>
<td>2:00pm</td>
<td>Applying Innovative Procurement Strategies to Fleets</td>
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**Tuesday, May 1**

<table>
<thead>
<tr>
<th>TIME</th>
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<tbody>
<tr>
<td>7:30am</td>
<td>NACFE Run on Less Breakfast Workshop</td>
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<tr>
<td>8:00am</td>
<td>L.A. World Airport Clean Fuel Policy Workshop (Invite Only)</td>
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<tr>
<td>8:00am</td>
<td>Removing Barriers to School Bus Replacement: A Roundtable Discussion</td>
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<tr>
<td>8:00am</td>
<td>Women In ACT: Dynamic Leaders Driving Innovation in Transportation</td>
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<tr>
<td>10:00am</td>
<td>Conference Welcome</td>
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<tr>
<td>10:15am</td>
<td>Opening Remarks</td>
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<tr>
<td>10:35am</td>
<td>Keynote Address</td>
</tr>
<tr>
<td>10:55am</td>
<td>Global Trends Accelerating Advanced Transportation Innovation</td>
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<tr>
<td>12:15pm</td>
<td>Fleet Owner Green Fleet of the Year Award</td>
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<tr>
<td>12:30pm</td>
<td>Lunch in the Expo Hall</td>
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**Wednesday, May 2**

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT</th>
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<tbody>
<tr>
<td>7:00am</td>
<td>So Cal Edison Executive Customer Briefing (Invite Only)</td>
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<tr>
<td>8:30am</td>
<td>1.1 Clearing the Last Mile Hurdle</td>
</tr>
<tr>
<td>8:30am</td>
<td>1.2 Implementing Innovative Transit Trends</td>
</tr>
<tr>
<td>8:30am</td>
<td>1.3 Maximizing Return on Connected Electric Vehicle Investments</td>
</tr>
<tr>
<td>8:30am</td>
<td>ACT 5x5x5: Major Tech Trends Driving the Heavy-Duty Sector</td>
</tr>
<tr>
<td>10:00am</td>
<td>Expo Hall Open</td>
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<tr>
<td>10:30am</td>
<td>ACT 5x5x5: Major Tech Trends Driving the Lighter and Medium-Duty Sector</td>
</tr>
<tr>
<td>10:45am</td>
<td>2.1 What’s Next for Heavy-Duty Natural Gas?</td>
</tr>
<tr>
<td>10:45am</td>
<td>2.2 MD &amp; HD Charging 101: Costs and Considerations for Developing Charging Infrastructure</td>
</tr>
<tr>
<td>10:45am</td>
<td>2.3 Gaining Efficiencies through Connected and Automated Technologies</td>
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<tr>
<td>12:15pm</td>
<td>Lunch in the Expo Hall</td>
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<tr>
<td>2:15pm</td>
<td>3.1 Facilitating Vehicle Automation in an Urban Environment</td>
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<tr>
<td>2:15pm</td>
<td>3.2 Key Considerations for Commercial EV Deployment and Market Development</td>
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<tr>
<td>2:15pm</td>
<td>3.3 A National Landscape for Renewable Fuel Deployment</td>
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<td>2:15pm</td>
<td>3.4 Dealing with Data to Maximize Efficiency and Productivity</td>
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<td>2:15pm</td>
<td>3.5 Zero Emissions for Refrigerated Trailers</td>
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<tr>
<td>3:45pm</td>
<td>Reception in the Expo Hall</td>
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<tr>
<td>5:30pm</td>
<td>Fleet Awards Cocktail Reception</td>
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**Thursday, May 3**

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<tr>
<th>TIME</th>
<th>EVENT</th>
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<tbody>
<tr>
<td>8:00am</td>
<td>Propane Autogas Answers Fleet Needs!</td>
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<tr>
<td>8:30am</td>
<td>CalETC Annual Member Meeting (Invite Only)</td>
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<tr>
<td>9:00am</td>
<td>Ride &amp; Drive</td>
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<tr>
<td>9:00am</td>
<td>Ultra-Clean Heavy-Duty Vehicle Summit</td>
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<tr>
<td>9:00am</td>
<td>PMSA Ultra-Clean Cargo Handling Equipment Summit</td>
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<tr>
<td>11:00am</td>
<td>MEMA Southern California May Chapter Meeting</td>
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<tr>
<td>12:30pm</td>
<td>Funding Workshop</td>
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**Friday, May 4**

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT</th>
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</thead>
<tbody>
<tr>
<td>9:00am</td>
<td>CEC: Bringing Zero-Emission Infrastructure Technology Manufacturing to California</td>
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</tbody>
</table>
WORKSHOPS & FORUMS

Battery Technology Workshop

With the ever-increasing proliferation of electric vehicles, increases in battery production, capacity, and performance has surged. This rapid shift has led to a plethora of questions about source materials, recycling, and second-life capabilities. This workshop will provide an overview of some of the basic battery chemistries being used by OEMs today. In addition to performance, weight, and affordability, learn more about important beginning and end-of-life issues. Other key topics will include expected advancements in battery technologies, national and global market trends. It will also explore the feasibility and effectiveness of second life applications and the regulatory frameworks that could be applied to ensure best use.

9:00am - 9:10am: Overview on Battery Technologies

* Patrick Couch, Vice President, Technical Services, Gladstein, Neandross & Associates
  
  **Battery Technology 101**

9:10am - 10:30am: Panel 1: The State of Battery Technology Advancements Across all Weight Classes

Battery technology is rapidly evolving to meet the current and anticipated requirements of an increasingly diverse mix of electric vehicles at various weight classifications. As the technology evolves and as more fleets deploy electric vehicles, important real-world data has been gathered on battery usage and performance that is helping to shape future product development. This panel will explore the following:

- The impacts of battery design on performance
- The evolution of product offerings across weight classes
- The distinction and advantages of different materials in batteries
- Real world fleet experiences and data on battery usage

MODERATOR: Patrick Couch, Vice President, Technical Services, Gladstein, Neandross & Associates

- Alan Mace, Heavy Duty Market Manager, Ballard Power Systems
  
  **The Role of Fuel Cells in an Electrified Future**

- Heesoo Lee, General Manager, Energy Systems, AVM
  
  **Extending the Range for Transit**

- Michael Simon, President and Chief Executive Officer, Transpower
  
  **The Continuing Evolution of Battery Technology**

- Porter Harris, Co-Founder & Chief Technology Officer, Romeo Power
  
  **Manufacturing Energy Dense Lithium Ion EV Dedicated Batteries**

10:30am - 12:00pm: Panel 2: Re-approaching End of Useful Life for EV Batteries

With the growing demand for electric vehicles, finding responsible and financially rewarding ways to recycle or reuse the vehicle batteries will be essential to reducing our environmental footprint. This panel will explore the following:

- How can fleets take ownership of second life and redeploy battery assets for their own energy needs?
- What role can vehicle manufacturers play in battery recycling or second life applications?
- What kind of a policy framework is needed to responsibly address this issue?

MODERATOR: Patrick Couch, Vice President, Technical Services, Gladstein, Neandross & Associates

- Blake Fonnesbeck, Transit and Public Works Director, Park City Municipal Corporation
  
  **Energy Storage for Transit Through Second-Life Battery Operations: A Case Study**

- George Miller, Senior Sales Manager - National Fleets, Electric Trucks, BYD Motors
  
  **The Role of Battery Recycling in an Electrified Future**

- Ethan Elkind, Director, Climate Program, Center for Law, Energy & the Environment, UC Berkeley / UCLA Schools of Law
  
  **Establishing a Policy Framework for Responsible Disposal or Reuse of EV Batteries**

- David Almeida, Program Manager Electric Vehicles, Pacific Gas & Electric Company
  
  **Electric Vehicles as an Effective Grid Resource**
## Agenda - Monday, April 30

### WORKSHOPS & FORUMS

#### 10:00am - 12:00pm

**NAFA Pacific Southwest Chapter Executive Strategy Session (Invite Only)**

Invite Only. Contact JoAnne Golden-Stewart for more information.
joanne.golden@gladstein.org - https://www.nafa.org/

#### 10:00am - 5:00pm

**WORKSHOPS & FORUMS**

**NGV Global Technical Forum and General Assembly**

10:00am - 2:00pm: Guaranteeing Safety in CNG Vehicles: Inspections, Improvements and Innovations: An NGV Global Technical Forum

Safety has always been a principle concern of the NGV industry. Standards, regulations and 'best practices' have evolved to ensure safety across the full NGV supply chain. With an expanding global population that now exceeds 25 million vehicles, it is the right moment to re-examine the process of regular, routine inspections of CNG cylinders and fuel systems in the light of new technologies that are leading the industry into the future. As such, there is a growing need to improve, harmonize and implement the periodic inspection of high pressure cylinders and the complete vehicle fuel system. The Industry recognizes that periodic inspections affect the user satisfaction and perception of NGVs.

This workshop will explore the range of regulatory and practical issues associated with the inspection process to further improve NGV safety while also enhancing user convenience.

2:30pm - 4:30pm: NGV Global Board Meeting**

**By invitation only

4:30pm - 5:00pm: NGV Global Members General Assembly **

**By invitation only

#### 12:30pm - 4:30pm

**WORKSHOPS & FORUMS**

**BSR’s Future of Fuels’ Buyer Supplier Roundtable**

Commercial freight transportation is at the cusp of a transition. Sustainable fuels and related technologies are increasingly critical to business success. But which sustainable fuels can be delivered by suppliers today and how will they be scaled over the next few years?

The Future of Fuels team will lead an action-oriented discussion on the current availability of low-carbon fuels for commercial freight, and barriers to speeding adoption of sustainable fuels and technologies within the next 3 to 5 years. Opportunities will also be provided for networking and one on one engagement between buyers and suppliers to address specific challenges.

**The goal for this workshop is to facilitate an open dialogue between buyers and suppliers. Advanced registration is required.

#### 1:00pm - 3:00pm

**WORKSHOPS & FORUMS**

**NGVAmerica Board Meeting (Invite Only)**

Board meeting from 1:00 pm to 3:00 pm

Invite only. Contact Dan Gage for more information:
dpage@ngvamerica.org - http://www.ngvamerica.org
# Agenda - Monday, April 30

## 1:00pm - 4:00pm

### TOUR

**City of Long Beach Fleet Tour**

Long Beach has one of the most diverse and innovative municipal fleets in the nation, offering an array of fuel and vehicle types with renewable diesel, renewable natural gas (and HDVs powered by Ultra Low NOx engines – a Game Changing combination), and plug-in hybrid vehicles. Attendees will see an assortment of city vehicles, as well as its renewable fueling infrastructure, extensive maintenance shop, and fleet charging infrastructure.

Pre-registration is required. See registration counter.

## 1:00pm - 4:00pm

### TOUR

**Long Beach Container Terminal Tour**

See How a Battery Swap Station Keeps North America’s Largest Fleet of Heavy-Duty Battery Electric Vehicles Running

LBCT is the world’s first zero-emission marine container terminal. It uses fully automated battery electric cargo handling equipment to move containers through its terminal. LBCT has more than 80 container hauling vehicles running in every day service, thus making this the largest single deployment of heavy-duty battery electric units in North America to date. This large fleet of BEVs utilize a battery-swap technology approach to ensure minimal down time for fueling operations. What’s more, the battery-swap station also operates completely autonomously! You will not want to miss an opportunity to visit this incredible project.

Pre-registration is required. See registration counter.

## 1:00pm - 5:00pm

### WORKSHOPS & FORUMS

**Room 102C**

#### CHBC Hydrogen and Fuel Cell On-Road Freight Workshop

The California Hydrogen Business Council is hosting a half-day workshop in conjunction with the ACT Expo in Long Beach on April 30th as a follow up to the workshop by the same name held a year prior. The purpose of the workshop is to continue to build awareness and hear from a diverse group of panelists on the ability of hydrogen and fuel cell technologies to enable commercial customers to meet sustainability and regulatory compliance objectives, address the technical and non-technical challenges with transitioning hydrogen and fuel cells into fleets, and understand the key drivers of substantive economic and operational benefits. At the workshop, fleet operators and medium/heavy duty OEMs will present, followed by discussion and presentations from hydrogen technology providers on the status of freight demonstrations, future visions, and the current funding options available for heavy duty hydrogen fuel cell projects from the California Air Resources Board.

<table>
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<tr>
<th>Time</th>
<th>Session Details</th>
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<tbody>
<tr>
<td>1:00pm</td>
<td>Welcome and Overview</td>
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<tr>
<td>MODERATOR:</td>
<td>Emanuel Wagner, Assistant Director, California Hydrogen Business Council</td>
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<tr>
<td>1:05pm</td>
<td>Dual Keynote – Impacts and Implications of Hydrogen Fuel Cell Freight</td>
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<tr>
<td>MODERATOR:</td>
<td>Cory Shumaker, Development Specialist, California Hydrogen Business Council</td>
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<tr>
<td>• Dr. Michael Mac Kinnon, Senior Scientist, National Fuel Cell Research Center at University of California, Irvine, Assessment of the Air Quality and Health Impacts in the South Coast Air Basin</td>
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<tr>
<td>• John Mikulin, Environmental Protection Specialist and Public Fleet &amp; Trucking Sector Lead, Technology &amp; Partnerships Office - Air Division, U.S EPA, Mapping Out and Forecasting the West Coast HD Hydrogen Infrastructure</td>
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<tr>
<td>1:30pm</td>
<td>User and Operator Perspectives</td>
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<td>Fleet operators and trucking companies provide their insights, identifying their concerns and needs:</td>
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<tr>
<td>• Michael McDonald, Sr., Director of Maintenance and Engineering , UPS</td>
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<tr>
<td>• Vic La Rosa, Chief Executive Officer , Total Transportation Services, Inc.</td>
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CHBC Hydrogen and Fuel Cell On-Road Freight Workshop schedule continued on next page
## Agenda - Monday, April 30

**2:05pm - 2:50pm: Truck OEM Perspectives**

Heavy & medium duty truck OEMs provide their value proposition, drivers, share their challenges of developing new truck technology and outline the development process.

**MODERATOR:** Nico Bouwkamp, Technical Program Manager, California Fuel Cell Partnership

- **Brian Lindgren**, Manager - Research & Development, Kenworth
- **Bill Kahn**, Principal Engineer, Peterbilt
- **Kohei Masaki**, Hydrogen Strategy Consultant, Toyota North America

### 2:50pm - 3:15pm: Networking Break

### 3:15pm - 4:05pm: Technology Developer Perspectives

Different technology providers give their value proposition, give updates on their technology and demonstration projects with their perception of the path to commercialization.

**MODERATOR:** Alan Mace, Heavy Duty Market Manager, Ballard Power Systems

- **Abas Goodarzi**, President and Chief Executive Officer, US Hybrid
- **Joshua Goldman**, Vice President, Business Development, Transpower
- **Tim Reeser**, Chief Executive Office and Co-Founder, Lightning Systems

### 4:05pm - 4:55pm: Heavy-Duty Hydrogen Refueling

Discussion of challenges and solutions for fueling various hydrogen applications at the ports.

**MODERATOR:** Naveen Barry, Naveen Barry, Technology Demonstration Manager, South Coast Air Quality Management District

- **Paul Fukumoto**, Director, Business Development Advanced Technologies, Fuel Cell Energy
- **Michael Sloth**, Vice President, Business Development, Nel Hydrogen
- **Ryan Erickson**, Senior Manager Business Development, Trillium
- **Rob Del Core**, Director, Business Development, Fuel Cell Power Systems, Hydrogenics

### 4:55pm - 5:15pm: Closing Keynote – CARB Funding Opportunities for Hydrogen Freight

An update on the various mechanisms of funding for hydrogen and fuel cell projects from the California Air Resources Board.

- **Leslie Goodbody**, Air Resources Engineer, California Air Resources Board

### 5:15pm - 5:30pm: Open Discussion, Outcomes and Action Items

- **Jeff Serfass**, Executive Director, California Hydrogen Business Council
WORKSHOPS & FORUMS

Connected Vehicle Technology Workshop

As connected vehicle technologies have begun to emerge they have brought with them opportunities for improved operational, economic and environmental performance. From route optimization and vehicle maintenance to driver productivity and fuel savings, fleets of all types—big or small, diesel or alt-fuel—can leverage advanced technologies and vehicle data to inform decisions. Learn about the connected vehicle technologies that are on the market today; how they can be leveraged to reduce costs, maximize uptime and performance, and improve safety and compliance; and gain insight into what is in store for the future of this revolutionary trend.

1:00pm - 1:10pm: Introductory Remarks

• Erik Neandross, Chief Executive Officer, Gladstein, Neandross & Associates

1:10pm - 2:40pm: Connected Fleet 101

This opening session will provide an introduction and overview to some of the basic concepts and technologies that make up the work of connected vehicle technology. It will help set the stage for this important workshop and three full days of connected tech programming, case studies and displays at ACT Expo. This session will:

– Define the concept of “connected fleet vehicles”
– Review the options and technologies that typically come standard with today's commercial fleet vehicles
– Explain what upgrades, aftermarket hardware and telematic options are available to fleet customers
– Review best practices for buying and using connected vehicle technologies

MODERATOR: Neil Abt, Editorial Director, Fleet Owner

• Jason Krajeowski, Director- Truck Connectivity, Daimler Trucks North America
  DTNA’s Industry-Leading Connectivity Solutions

• Terry Kline, Senior Vice President and Chief Information Officer, Navistar
  Providing Power and Productivity to Customers via Navistar’s OnCommand Connection Telematics

• Frank Schneck, Engineering Section Manager, Peterbilt
  Driving the Future of Trucking with Connected Technologies

2:45pm - 3:00pm: Keynote

• Bill Combs, Director of Connected Fleet, Penske Truck Leasing
  The Role of Connected Trucks in Improving Fleet Performance

3:00pm - 3:15pm: Break

3:15pm - 5:00pm: Connected Tech: Gaining Insight into a Fleet’s Performance

Once equipped with today’s latest gear and gadgetry, fleet operators can begin to gain valuable insight into the performance of their equipment and personnel. Critical to gaining such insight is the ability to properly utilize this array of technology, and process and analyze this incoming information to make informed procurement and operational decisions. This session will:

– Recommend the best applications and approaches for using connected fleet technology today
– Explain how predictive analytics can diagnose fleet outages before they happen, including on even basic — yet troublesome issues — such as aftertreatment technology
– Review how fleet emissions can be improved via connected technology
– Provide case studies on increasing fleet MPG
– Preview exciting future technologies that lie ahead in this dynamic environment

MODERATOR: Bill Combs, Director of Connected Fleet, Penske Truck Leasing

• Sandeep Kar, Chief Strategy Officer, Fleet Complete
  Reducing Fleet Cost While Maximizing Productivity, Safety and Efficiency

• Gary Schmidt, Vice President, Business Solutions, Zonar Systems
  Leveraging Your Data for Smarter Fleet Management

• Adam Cook, Director of Partnerships, Samsara
  Meet Samsara: Mission Control for Your Fleet Operations

• Carl Robinson, Vice President, PeopleNet
  Fleet Control at Your Finger Tips

• Alex Castillo, Commercial Leader, Lytx
  Unlocking the Full Potential of Connected Fleet Management
Agenda - Monday, April 30

2:00pm - 3:30pm
Room 101AB

WORKSHOPS & FORUMS

Applying Innovative Procurement Strategies to Fleets

Learn about procurement for alternative fuel vehicles for fleets from the expert team working on the Department of Energy-funded Fleets for the Future project, leading fleet managers, and regional procurement organizers. The project works towards lowering up-front costs and barriers to entry to increase adoption of alternative fuel vehicles. Attendees will also learn how to participate in the project and transition their fleet to alternative fuel vehicles, saving them the effort of having to go through their own time-consuming and costly procurement process.

MODERATOR: Natalia Swalnick, Director of Electric Vehicle Programs, Electrification Coalition

- Philip Kreycik, Associate, Meister Consultants Group: A Cadmus Company
- Megan Aki, Clean Energy Analyst, Metropolitan Area Planning Council
- Barry Carr, Coordinator, Clean Communities of Central New York

ACTnewsLIVE

The show magazine for ACT Expo 2018

Tuesday, May 1st & Wednesday May 2nd

Pick up your copy to read event news, including product debuts, corporate announcements and executive interviews.
WORKSHOPS & FORUMS

NACFE Run on Less Breakfast Workshop

This workshop will provide an intimate forum to explore the North American Council on Freight Efficiency’s (NACFE) recent Run on Less demonstration and dig into the results, including a discussion around the “10 Actions to 10 MPG.” We will also explore a new report to be released at ACT Expo - Guidance Report: Electric Trucks, Where They Make Sense. In addition, small group roundtable discussions led by industry experts will uncover the benefits and challenges of adopting technologies used by the Run on Less participants and on the findings of the electric truck report.

7:30am - 7:45am: Welcome and What’s happening at NACFE?
Overview of the technologies that achieved 10+ MPG with Run on Less and the release of our first ever Guidance Report one on Electric Trucks.

- **Mike Roeth**, Executive Director, North American Council for Freight Efficiency

7:45am - 8:30am: Expert Panel discussing Efficiency

- **Steve Slesinski**, Director - Global Product Planning, Dana Incorporated
- **Scott Sutari**, Associate Vice President, Commercial Vehicle Solutions, GEOTAB
- **Keshav Sondhi**, Director, Fleet Engineering and Sustainability, PepsiCo

8:30am - 9:30am: Small Group Discussions

Each Table Lead will facilitate discussions using key findings from NACFE’s work on the topic and by asking provocative questions of the participants. Two 25-minute rounds will occur with attendees self-selecting the topic tables they wish. A short wrap-up will conclude the workshop.

- **Andrew Halonen**, Lightweighting Expert, NACFE
  - **Electric Trucks - Weight**
- **Mike Roeth**, Executive Director, North American Council for Freight Efficiency
  - **Electric Trucks - Technology**
- **Kevin Otto**, Solar and Electric Truck Engineering, NACFE
  - **Electric Trucks - Cost**
- **Rick Mihelic**, Director of Future Technology, NACFE
  - **Electric Trucks - Infrastructure**
- **Mark Moore**, NACFE Aerodynamics Advisor, ARC Indy
  - **Run on Less - Aerodynamics**
- **Yunsu Park**, Director of Engineering, NACFE
  - **Run on Less - Powertrain**
- **Beth Richmond**, Manager, BSR
  - **Run on Less - Other (tires, idle reduction, etc.)**
- **Nate Springer**, Manager, Advisory Services , BSR
  - **Run On Less - Practices (maintenance, drivers, etc.)**
- **Jessie Lund**, Program Coordinator, Heavy Transport & Carbon-Intensive Industries Practice, Carbon War Room
  - **Solar for Tractors & Trailers**
Agenda - Tuesday, May 1

WORKSHOPS & FORUMS

8:00am - 9:30am

Los Angeles World Airport Clean Fuel Policy Workshop (Invite Only)

This workshop will cover LAX’s alternative fuel policy, LAX operators who have successfully converted their fleet, and manufacturers with a wide range of vehicle technologies and sustainable strategies.

For more information contact Amylou Canonizado - ACanonizado@lawa.org

8:00am - 9:30am

Room 103BC

Removing Barriers to School Bus Replacement: A Roundtable Discussion

School buses represent a unique challenge in the advanced, clean technology sector. With a rapidly-expanding array of zero and near-zero emission bus options now on the market, and the typical fixed-route operation of a K-12 school bus, there is great opportunity to replace old and inefficient school buses with this exciting clean fuel technology. However, the high cost of these ultra-low emission school bus options is often a barrier for entry, especially for capital-constrained K-12 school districts. Fortunately, several school bus fleet operators have been able to leverage partnerships and creativity to overcome such barriers in order to successfully deploy these ultra-low emission technologies in their operations, which has helped to both improve the bottom line and provide tremendous benefits to the passengers on the bus and the residential neighborhoods within which their vehicles operate. Join a group of school bus fleet operators, technology providers, and funding program administrators for a roundtable discussion on removing barriers to school bus replacement and the opportunity for alternative fuel vehicles.

MODERATOR: Ryan Gray, Editor-in-Chief, School Transportation News

- Brianna Lawrence, Senior Associate, Gladstein, Neandross & Associates
  Accessing Funding for School Bus Replacements
- Russ Federico, Executive Director of Operational Support, Marana Unified School District
  Building a CNG School Bus Fleet
- Kelly Rhodunda, Transportation Manager, Upper Mooreland School District
  How to Persuade Your School Board Members to Get On Board with Implementing a Propane School Bus Fleet
- Tim Shannon, Director of Transportation, Twin Rivers Unified School District
  Securing and Stacking Funding from Multiple Sources
- Jenna Van Harpen, Alternative Fuels Regional Manager, Blue Bird
  Choosing and Deploying Alt Fuel School Buses
- Jessica Johnson, Manager, Compliance, Mobile Source Control Division, California Air Resources Board
  The Role of State Agencies in Overcoming Barriers to School Bus Replacement
- Marc Bédard, Chief Executive Officer, Lion Electric
**WORKSHOPS & FORUMS**

**Women In ACT: Dynamic Leaders Driving Innovation in Transportation**

In an era of rapidly shifting technology, demographics, and policy trends, it is critical that the advanced clean transportation industry have effective leadership to successfully navigate this changing transportation paradigm. While many industries are struggling to attract the necessary talent and react to this dynamism, the female workforce presents an underutilized, high-potential talent pool from which to draw. Research has shown that diversity within companies, from entry level to c-suite, to boards of directors, leads to higher performance, higher returns, and higher employee satisfaction. Hear from women leaders in the public and private transportation sectors who have made meaningful impacts and transformed the advanced clean transportation market. Learn how they got their start, what motivates them to continue, and how businesses and organizations can attract more women; increasing the diversity of perspectives, improving the bottom line, and cleaning up the roads.

**8:00am - 8:10am: Welcome and Introductory Remarks**

- **Ginger Kasanic**, Fleet Sustainability and Advanced Technology Manager, Ford Motor Company

**8:10am - 9:30am: Women In ACT: Dynamic Leaders Driving Innovation in Transportation**

**MODERATOR:** Ellen Voie, President & Chief Executive Officer, Women in Trucking Association Inc.

- **Lauren Skiver**, Chief Executive Officer & General Manager, SunLine Transit
- **Lisa Alexander**, Vice President, Customer Solutions and Communications, SoCalGas
- **Heather Tomley**, Director of Environmental Planning, Port of Long Beach
- **Stella Li**, President & Chief Executive Officer, BYD Motors

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**GENERAL SESSION**

**Conference Welcome**

- **Erik Neandross**, Chief Executive Officer, Gladstein, Neandross & Associates

**Opening Remarks**

- **Dr. Joseph Lyou**, Governor’s Appointee, South Coast Air Quality Management District Governing Board / President and CEO, Coalition for Clean Air

**Keynote Address**

- **Jay Craig**, Chief Executive Officer and President, Meritor

  *Transportation’s Next Big Step*
GENERAL SESSION

Global Trends Accelerating Advanced Transportation Innovation

Never before have we witnessed such an acceleration in the investment and development of advanced clean transportation technologies as we have in the past 12 months. Not a week has passed without several big new announcements about new electric-drive vehicle products in the light, medium and/or heavy-duty sectors. Simultaneously, combustion technologies powered by a range of fuels are being certified to almost nondetectable emission levels, while traditional powertrains are becoming increasingly efficient via an array of solutions, including autonomous and connected vehicle technologies. In addition to customer-demand for these advanced powertrains and technologies, strong market signals are being sent by a range of leading nations around the globe – China, UK, France, Norway and others – announcing plans to ban vehicles powered by fossil fuels within the next two to three decades. Meanwhile, billions of dollars are being invested by the public and private sector to develop the vehicle platforms and propulsion technologies of tomorrow. Where will this all take us in the coming year and beyond? Join us for a scintillating discussion among global fleet leaders, OEMs and policy makers as we discuss these mega-trends and what they mean for the future of transportation.

MODERATOR: Cliff Gladstein, President, Gladstein, Neandross & Associates

- Mary Nichols, Chair, California Air Resource Control Board
  Charting Our Own Path: Moving Forward on Clean Transportation
- Steve Gilligan, Vice President, Product and Vocational Marketing, North American Business Unit, Navistar
  Clean Transportation Trends for the Commercial Truck & Bus Markets
- Tamara Barker, Chief Sustainability Officer and Vice President of Environmental Affairs, UPS
  Leadership in Global Freight Sustainability
- Julie Furber, Executive Director of Electrification, Cummins
  Picking the Right Power Platform for Today’s Commercial Fleet Needs
- Steve Center, Vice President, Environmental Development Office, American Honda Motor Company, Inc
  A Strategic Choice: Continuing Honda’s Investment in Clean Transportation

GENERAL SESSION

Fleet Owner Green Fleet of the Year Award

Fleet Owner will present the Green Fleet of the Year Award, an annual tradition since 2009 that recognizes an exemplary “green” fleet. These organizations, whose operations promote environmental sustainability by reducing fuel consumption and emissions, champion the use of alternative fuels and related fueling infrastructure. Past honorees include Saddle Creek, Anheuser-Busch, and New York City, among others making notable strides in the alternative fuel and clean technology space.

NETWORKING

Lunch in the Expo Hall

Join us for lunch in the Expo Hall while you check out the exciting exhibits! Full conference attendees present your lunch ticket in the full conference dining area in Hall A.

Lunch is also available for purchase at the concessions located in Hall A & Hall C.

NETWORKING

Expo Hall Open

The Expo Hall will remain open during afternoon sessions. Be sure to download the mobile app so not to miss out on thrilling expo hall announcements and new product unveilings!
3:00pm - 4:30pm
Grand Ballroom

GENERAL SESSION
Funding and Financing the Transportation Future

Research and development funding, vehicle and infrastructure deployment grants, rebate voucher programs, carbon markets, venture capital, and good old fashion private investment have all been employed to drive growth in the advanced clean transportation market. This multi-faceted approach to funding and financing advanced vehicle technologies and alternative fuel infrastructure has shown significant success in many areas, but which investment strategies have had the greatest effect? Have we achieved sustainability and true commercialization in any of these markets? If so, where and how? If not, why not? Beyond funding programs, what should be the role of public policy and/or corporate and fleet sustainability programs building these markets? And when certainty and stability are required for market investment, how best is that achieved in our dynamic political system? As we head into 2018, where the pace of investment across all of these platforms will increase dramatically, hear from leading policy makers, regulatory and funding agencies, market leaders, and venture capitalists as we discuss the role of public and private funding in growing the clean transportation market.

MODERATOR: Erik Neandross, Chief Executive Officer, Gladstein, Neandross & Associates

- Janea Scott, Commissioner, California Energy Commission
  California’s National Leadership on Advanced Clean Transportation
- Sam Gabbita, Operating Partner, Element Partners/Agility Fuel Solutions
  The Role of Venture Capital Investment in Advancing Clean Transportation
- Madhav Acharya, Technology to Market Advisor, ARPA-E, Department of Energy
  Moonshot Funding for Research and Development of Advanced Energy and Transportation Technologies
- Bill Zobel, Vice-President – Business Development, Marketing and Customer Care, Trillium
  Using Public and Private Investment to Create Sustainable Markets
- Wayne Nastri, Executive Officer, South Coast Air Quality Management District
  Co-Benefits: Achieving Urgent Regional Air Quality Attainment Goals and Long Term Climate Change Mitigation

5:00pm - 7:15pm

NETWORKING
Expo Hall Grand Opening Reception

Come cheers with your peers! Enjoy networking while helping us celebrate the official Grand Opening of ACT Expo 2018’s Expo Hall.
7:00am - 8:30am WORKSHOPS & FORUMS

Southern California Edison Executive Customer Briefing (Invite Only)

Southern California Edison president R.O. Nichols and SCE leadership will host a meeting with local business leaders to provide an update on SCE’s investments in a cleaner, smarter, more reliable grid, share their emerging electric fleet transportation strategy, and hear from the business community on how to better partner to transform the transportation sector together.

Invite Only. SCE Customers interested in attending can contact Patty Flores to request an invite. Pascualita.Flores@sce.com

8:30am - 10:00am BREAKOUT SESSION URBAN MOBILITY

1.1 Clearing the Last Mile Hurdle

With significant changes in consumer and supply chain behavior, as well as continued pressures to reduce vehicular pollution in urban areas, getting goods delivered as efficiently as possible is a never-ending goal for fleets in this very competitive business. From drones to autonomous pods to electric bikes, traditional trucking operations are facing an onslaught of innovation and new competition with the last mile mattering more than ever. Join us in hearing from a diverse range of stakeholders working to transform the last goods movement mile.

MODERATOR: Tony Brasil, Chief, Transportation and Clean Technology Branch, California Air Resources Board

- Thomas Madrecki, Director of Urban Innovation and Mobility, UPS
  Innovating Last Mile Delivery with Electric Bicycles
- Steve Burns, Chief Executive Officer, Workhorse Group Inc.
  The Future of Delivery is Here
- Austin Hausmann, Vice President Product Development and R&D, Chanje
  Changing the Landscape for Sustainable Transportation
- Chris Nordh, Senior Director – Advanced Vehicle Technologies & Energy Products, Ryder System, Inc.

8:30am - 10:00am BREAKOUT SESSION URBAN MOBILITY

1.2 Implementing Innovative Transit Trends

The role of the transit agency as a first mover when it comes to advanced technologies and alternative fuel solutions remains as important as ever. Transit fleets are being increasingly called upon to innovate and integrate a range of new drivetrain technologies, fuels and service offerings. Whether integrating cutting-edge electric-drive technologies or new micro-transit services, operators are being presented with a host of policy, capital, personnel, training, and technology integration challenges while maintaining existing operations and levels of service. The pressure to make the right choices is high and the risks are real. Hear from this leading panel of experts on how to pick the right vehicle platforms, technologies and fuels for your operation while maximizing utility, minimizing risk and continuing to stay ahead of the curve on the next innovative trends.

MODERATOR: Barry Carr, Coordinator, Clean Communities of Central New York

- Richard Tree, Transit Manager, City of Porterville
  Deploying Battery Electric Buses in a Rural Transit Agency
- Joshua Schank, Chief Innovation Officer, Office of Extraordinary Innovation, LA Metro
  Innovation and Leadership on Advanced Technologies for Transit Operations
- Kenneth Williams, Fleet Maintenance Superintendent, Kansas City International Airport
  Meeting the Needs of a Growing Airport with Battery Electric Buses
- Jim Castelaz, Chief Executive Officer, Motiv
  Technology Considerations for Innovative Transit Projects
8:30am - 10:00am
Room 102AB

BREAKOUT SESSION URBAN MOBILITY

1.3 Maximizing Return on Connected Electric Vehicle Investments

Electric vehicles equipped with today's latest connected fleet technologies offer commercial fleet operators an unprecedented opportunity for reduced costs and environmental impacts, particularly in high mileage applications. With the right approach, capital investments in connected electric vehicles can present a very compelling return on investment. However, in order to maximize the ROI, fleets must first have a full understanding of the value proposition offered by electric drive technology as well as the various factors that make up a total cost of ownership analysis. Increased capital costs, residual costs, variations on tire and brake wear, vehicle and fueling infrastructure maintenance issues, battery maintenance and replacement considerations, improved efficiency and reduced fuel costs, other productivity benefits, and much more must be considered. Join this panel of leading fleets, OEMs and other industry stakeholders as they provide valuable insight and information on how fleets – even those without previous EV experience – can begin to better understand these important TCO considerations in order to prepare robust capital procurement plans for new electric vehicles.

MODERATOR: Joe Stergios, Strategy and Business Development Manager, Enterprise Fleet Management

- Samveg Saxena, Creator, MyGreenCar
  "Using Technology to Match Fleet Operational Needs with the Right EV"

- Jamie Hall, Manager, Public Policy, General Motors
  "Lessons Learned and Best Practices for Successful Fleet EV Deployment"

- Clay Siegert, Chief Operating Officer, XL
  "Making the Right Choice Between BEVs and PHEVs"

- John Bautista, Chief Executive Officer, Tropos Technologies Inc.
  "New Ideas and Innovation for Urban EV Technology and Sustainability"

8:30am - 10:15am
Grand Ballroom

GENERAL SESSION HEAVY DUTY

ACT 5x5x5: Major Tech Trends Driving the Heavy-Duty Sector

Five speakers, five slides, and five minutes; the 5X5X5 talks are fast paced presentations from industry leaders driving innovation in electric-drive technologies, autonomous and connected fleets, trucking efficiency, and gaseous fuels. Speakers will highlight specific cutting-edge advanced vehicle technologies and/or fuels, discuss their use in real-world applications, and provide insight into how these platforms will play an increasing role in the future of the transportation industry. At the end of the 5x5x5 talks, each speaker will return to the stage for a moderated dialogue on the trends shaping the heavy-duty commercial vehicle sector.

MODERATOR: Bob Carrick, Vocational Sales Manager, Daimler Trucks North America

- Michael O’Connell, Vice President Supply Chain, Fleet Sustainability, Frito Lay
  "What’s Different with HD Electric This Time?"

- Andrew Cullen, Senior Vice President, Fuels & Facility Services, Penske Truck Leasing
  "Full Service Leasing Facilitating Advanced Technology Vehicle Deployment"

- Kathleen Ligocki, Chief Executive Officer, Agility Fuel Systems
  "Matching Technology with a Fleet Operational Needs in a Rapidly Dynamic World"

- Takehito Yokoo, Senior Executive Engineer Powertrain Chief Engineer, Toyota Motor North America
  "Toyota’s Hydrogen Fuel Cell Truck for Heavy-duty Operations"

- Darren Gosbee, Vice President Engineering, Navistar
  "Advanced Truck Technologies: An OEM's Perspective"

10:00am - 6:00pm

NETWORKING

Expo Hall Open

The Expo Hall will remain open during morning and afternoon sessions. Be sure to download the mobile app so not to miss out on exciting expo hall announcements and unveilings!
10:30am - 12:15pm  
Grand Ballroom

GENERAL SESSION URBAN MOBILITY

ACT 5x5x5: Major Tech Trends Driving the Light and Medium-Duty Sector

Five speakers, five slides, and five minutes; the 5x5x5 talks are fast-paced presentations that shine a light on key leaders driving innovation in electric-drive technologies, autonomous and connected fleets, and cutting-edge alternative fuels. Speakers will highlight specific advanced vehicle technologies and fuels, discuss their use in real-world applications, and provide insight into how these platforms will play an increasing role in the future of the transportation industry. At the end of the 5x5x5 talks, each speaker will join us back on stage for a moderated dialogue on the trends shaping our urban mobility future.

MODERATOR: Cliff Gladstein, President, Gladstein, Neandross & Associates

• Bill Lyons, Vice President Sales Operations, Mitsubishi Fuso Truck of America  
  The Intersection of Shared Ownership, Connectivity, Electrification, and the Future of Urban Mobility

• Tucker Perkins, President and Chief Executive Officer, Propane Education & Research Council  
  Delivering the Goods: Propane’s Leading Role in Urban Mobility

• Rob Barrosa, Director of Utility Strategy & Operations, Electrify America  
  Investing in the Foundation of Electrification

• Dietmar Fahrun, Manager Alternative Fuels Sales and Marketing, American Honda Motor Company, Inc  
  Getting to Zero: a Multiple Powertrain Pathway Approach

• Marc Sears, Head of Strategic Accounts, Mercedes-Benz USA, LLC  
  Connected, Electric and Efficient: Innovations in Last Mile Delivery

10:45am - 12:15pm  
Room 103BC

BREAKOUT SESSION HEAVY DUTY

2.1 What’s Next for Heavy-Duty Natural Gas?

The last decade has seen huge advances in heavy-duty natural gas vehicle technology. Fleets ranging from small regional players to multinational corporations have embraced heavy-duty natural gas vehicles as an effective means to reduce fuel costs and environmental impact. Today’s near-zero emission technology and significant use of ultra-low-carbon renewable natural gas now provides operators with zero-emission equivalent operations, while continuing to rely upon existing fueling assets, personnel, training programs and more. However, heavy-duty natural gas trucks are increasingly being challenged by ever-more efficient traditional powertrains and the near-term prospect of fully electric trucks. Are these real threats, or will natural gas continue to maintain its dominant position as the leading alternative fuel for heavy-duty trucks? Hear from leading fleet end-users and industry experts as we explore what this all means for the maturing heavy-duty natural gas sector.

MODERATOR: Bill Nowicke, Chief Operating Officer and President, Agility Fuel Solutions

• Jeff Stevens, Fleet Sales Manager, Kenworth  
  Current and Future Sales Trends for HD NGVs

• Andy Ellison, Vice President Operations, Coldstar Solutions Inc.  
  Natural Gas Trucks Driving Fleet Sustainability

• Marty Tufte, Corporate Fleet Director, Waste Management  
  Building on the Nation’s Largest Fleet Commitment to Heavy-Duty NGVs

• Michelle Sim, Clean Transportation Manager, Southern California Gas Company  
  How the Port Can Be a Catalyst for Market Growth

• Jerry Johnson, Western Regional Manager, Cummins Westport Inc.  
  Near Zero Emission Natural Gas Technology

For the latest agenda, speaker, and exhibitor information, download the mobile app at www.actexpo.com/mobileapp
2.2 MD & HD Charging 101: Costs and Considerations for Developing Charging Infrastructure

The electrification of the medium and heavy-duty commercial vehicle sector – in both on and off-road applications – has drawn wide appeal from policy makers, fleet executives, electric utilities, and the communities that host these operations. Accordingly, the latest product offerings, fleet commitment, or vehicle deliveries have dominated the press headlines in the last year. However, a less covered topic has been the infrastructure that is required to “fuel” these electrified vehicles, especially in applications that go beyond a pilot demonstration of a couple of vehicles. There is a lack of comprehensive information in the market about: how much a large-scale charging station will really cost a fleet to install; what are the challenges, issues and processes required to secure such power from the local utility; available rebates from the utility or other public agencies; anticipated demand charges and electrical rates at different times of the day; and an array of similar issues. Facing the challenges of upgrading or installing new charging infrastructure can open the door to long-term cost savings if done right. Come and hear from fleet managers, EVSEPs, leading electric utilities, and other industry experts on how to approach the dynamic decision making and navigate the best charging infrastructure technologies for an electrified fleet of vehicles in both the on and off-road sectors.

MODERATOR: Andrew Papson, Electric Bus Program Manager, Foothill

- Patrick Couch, Vice President, Technical Services, Gladstein, Neandross & Associates
  Dealing with Demand Charges and How They Can Make or Break Your Project
- Erin Galiger, Product Manager, EV Infrastructure, ABB Inc.
  A Complete Portfolio for EV Charging Infrastructure
- Eric Seilo, Senior Advisor, Environmental Strategy and Analytics, Southern California Edison Company
  Addressing the Needs of EV Infrastructure for Commercial Vehicles
- Paul Stith, Director, Strategy & Innovation, Black & Veatch
  Engineering and Permitting Considerations for EVSE Installation

2.3 Gaining Efficiencies through Connected and Automated Technologies

Current connected and autonomous technologies are only a fraction of what is now under development. As more advanced options become available, the traditional heavy-duty transportation landscape is poised to transform. But how and to what end? Learn how communication among vehicles, infrastructure, and the cloud can assist with crash elimination, manage traffic flow, reduce the need for new infrastructure, predict travel time, reduce driver tasks, and aid in the convergence of technologies that will inevitably realign the commercial trucking industry.

MODERATOR: Neil Abt, Editorial Director, Fleet Owner

- Amitai Bin-Nun, Vice President of Autonomous Vehicles and Mobility Innovation, Securing America’s Future Energy
  Heavy-Duty Innovation: Energy, Automation, and Technology
- Naveen Berry, Technology Demonstration Manager, South Coast Air Quality Management District
  Final Report on Heavy-Duty Catenary Truck Project
- Steve Boyd, Co-founder and Vice President External Affairs, Peloton
  V2V, Platooning, and Efficiency Gains On-The-Way to Full Automation
- Aravind Kailas, Research and Innovation Manager, Volvo Group
  Connected and Automated Driving Technologies to Improve HD Operations

Lunch in the Expo Hall

Join us for lunch in the Expo Hall while you check out the exciting exhibits! Full conference attendees present your lunch ticket in the full conference dining area in Hall A.

Lunch is also available for purchase at the concessions located in Hall A & Hall C.
### 3.1 Facilitating Vehicle Automation in an Urban Environment

Vehicle automation is one of the hottest trends within the transportation industry right now with every major vehicle manufacturer and a range of other innovative stakeholders working on automated vehicle technology in some form. The technology for vehicle-to-vehicle and vehicle-to-infrastructure connectivity is developing at a pace faster than most can imagine. While many of these technologies offer important immediate safety benefits in today’s world, this technology will yield significant additional benefits to society in the near and long term. In parallel with a host of pilot programs and other technology demonstration efforts happening across North America, the “rules of the road” are also being developed at the local, state and federal levels to enable the commercial scaling of this technology. Join this panel of leading technology developers, auto manufacturers, policy experts and other industry stakeholders to explore this brave new world, get caught up on the latest activities in this exciting space, and understand how, when and where these connected vehicle technologies will have application for commercial and municipal fleets.

**MODERATOR:** Marco Anderson, Program Manager, Southern California Association of Governments

- Timothy Papandreou, Strategic Partnerships Manager, Waymo  
  *A New Way Forward with the World’s Most Experienced Driver*
- Brian Soublet, Deputy Director and Chief Counsel, California Department of Motor Vehicles  
  *Key Policy Considerations for Facilitating Automation*
- Joshua Sperling, Urban Futures and Energy-X Nexus’ Engineer, National Renewable Energy Laboratory  
  *Using Connectivity and Automation to Optimize Mobility and Reduce Energy Consumption*
- Ali Kashani, Head of Postmates X, Postmates  
  *An Alternative to Roads: “Paving” the Path Toward AV Deployment*

### 3.2 Key Considerations for Commercial EV Deployment and Market Development

The deployment of medium- and heavy-duty electric vehicles in North America is expected to see significant growth in the next several years. To ensure the successful development of this market, fleet operators need to understand a lot more than simply the range, weight and purchase costs of the vehicle. Training for maintenance technicians, drivers, management, and even sales personnel will be critical. New nomenclature, measurement units and how to effectively calculate the total cost of ownership must be understood. And standardization of charging infrastructure to accommodate a range of OEM products in a typical fleet is a must. This panel of experts will provide this “must have” information for those fleets looking to move to electric drive technology in the near term.

**MODERATOR:** Jerry Hirsch, Editor, Vice President of Content, Trucks.com

- Mike Roeth, Executive Director, North American Council for Freight Efficiency  
  *NACFE’s Guidance Report on MD and HD Electric Trucks*
- Duane Lippincott, Director Learning & Development, Corporate Automotive Engineering, UPS  
  *Key Considerations for Personnel Training for Successful EV Deployment and Operations*
- Oleg Logvinov, President and Chief Executive Officer, IoTecha  
  *Standardizing Charging for Medium- and Heavy-Duty Electric Vehicles*
- Brendan Riley, President, GreenPower Motor Company, Inc.  
  *Choosing the Right Customers From a Manufacturers Perspective*
- David VanWaardenburg*, Sr. Director, Operations, Pasha Group  
  *Considerations and Opportunities Around Port Electrification*
2:15pm - 3:45pm
Room 102AB

BREAKOUT SESSION

3.3 A National Landscape for Renewable Fuel Deployment

From renewable gasoline and diesel, to natural gas, hydrogen, propane and electricity, the path to zero and near zero emissions is becoming a cost-competitive reality across the nation, with an increasing number of opportunities available to transition existing operations to low-carbon fuel sources. Technology and fuel providers are rapidly developing systems to capture the energy from renewable sources and turn it into the cleanest fuels on the market, paving the way towards a true zero emission future. However, things are not always equal from one fuel source to the next, with huge variation in the cost and market availability of these low-carbon fuels. This session will highlight companies across the US and North America that are making the leap to these next generation fuels and what has allowed them to pursue these opportunities.

MODERATOR: Jon Leonard, Senior Vice President, Gladstein, Neandross & Associates

- John Mikulin, Environmental Protection Specialist and Public Fleet & Trucking Sector Lead, Technology & Partnerships Office - Air Division, U.S EPA
- Corridors to Support West Coast Renewable Fuel Deployment
- Scott Hedderich, Executive Director, Corporate Affairs, Renewable Energy Group
- Market Drivers for Renewable Fuel Development and Deployment
- Richard Battersby, Interim Assistant Director, Public Works, City of Oakland
- Oakland’s Renewable Diesel Project: A Case Study
- Preston Roper, Chief Marketing and Operating Officer, eMotorWerks
- Managing Charging to Maximize Use of Renewables

2:15pm - 3:45pm
Room 103BC

BREAKOUT SESSION

3.4 Dealing with Data to Maximize Efficiency and Productivity

As the commercial transportation sector becomes increasingly connected, the volume of data being made available to fleet operations teams is enormous – and potentially overwhelming. Through effective management of this information, significant improvements to a fleet's operations and overall performance can be achieved. To maximize the return on connected technologies and telematics systems, organizations must have the right systems and personnel in place to process this incoming data. Learn how fleet operators manage big data in their operations to maximize asset utilization and productivity, improve driver performance, and in turn, reduce energy consumption, maintenance costs, and emissions.

MODERATOR: Andrew Scott, Executive Fellow, Port of Los Angeles

- Brendan Wiggins, Global Fleet Analytics Manager, PepsiCo
- Levering Big Data to Transform PepsiCo’s Fleet Operations
- Jordan Guter, Manager of Solutions Engineering, Geotab
- Utilizing Tracking and Analytics to Improve Operations
- Charlie Guthro, Vice President of North American Fleet Management, ARI
- Rethinking Data: How Can Fleet Management Improve Your ROI
- John Sheehy, President & Chief Executive Officer, Sheehy Mail Contractors
- How a Small Fleet is Using Big Data and AI to Improve Productivity and Predict When and Why Drivers Quit

2:15pm - 3:45pm
Room 102C

BREAKOUT SESSION

3.5 Zero Emissions for Refrigerated Trailers

Zero emission TRUs can offer important reductions in a fleet’s diesel fuel consumption, emissions profile, and perhaps most importantly, maintenance and repair costs. The growing array of zero emission TRU technology in today’s marketplace offers reefer fleets the opportunity for improved economic and environmental performance. Join a panel of regulatory and technology experts as they discuss the impending future landscape for zero emission TRUs. Learn about California’s regulatory push toward zero emission reefer units as well as strategies to meet these requirements. Gain insight from manufacturers on current available zero and near zero emission technologies as well as future product offerings. Panelists will dive into the critical considerations for navigating this new landscape, providing fleet managers with the information necessary to strategically position themselves for future regulation and technology without handicapping current operations.

MODERATOR: Don Francis, Coordinator; Executive Director, Clean Cities-Georgia; Partnership for Clean Transportation, Inc.

- Jeffrey Flath, President & Chief Executive Officer, eNow
  100% Solar Based Truck and Trailer Refrigeration Systems
- Robert Koelsch, Chief Executive Officer, Advanced Energy Machines
  Powering Zero Emission TRUs with the Sun
- Scott Mac Meekin, Chief Executive Officer, Dearman
  Achieving Zero-Emissions in Refrigerated Transport
- Jack Symington, Regional Sales Manager, BYD Motors and Speaker TBA, Volta Air
  A Full Battery Electric Zero Emission Solution
Agenda - Wednesday, May 2

3:45pm - 6:00pm

NETWORKING
Reception in the Expo Hall
Grab a beverage and check out the Expo Hall while networking with your peers!

5:30pm - 7:30pm
Promenade Foyer

NETWORKING
Fleet Awards Cocktail Reception
Celebrate the 2018 ACT Expo Fleet Award Nominees and Winners while enjoying delicious cocktails, hors d’oeuvres, fun networking activities, and more! Attend this wonderful networking opportunity, presented by Propane Education & Research Council, as we recognize fleet operators who show true leadership in sustainable transportation.

Pre-registration is required. If you are not yet registered, but would like to attend, please visit the registration desk.

2018 finalists

In it for the Long Haul
City of Long Beach
City of New York Sanitation Department
LA Metro
Verizon

Leading Private Fleet
Bimbo
Border Valley
C&S Wholesale Grocers
Nestle Waters
Ozinga Energy
Schwans

Leading Carrier
FedEx
Southern Counties Express
TTSI

Leading Airport Fleet
Colonial Airport Parking
Los Angeles World Airports
Wally Park

Transit & Mobility
LADOT
San Joaquin Regional Transit District
SARTA
Twin Rivers Unified School District

Leading Public Fleet
City of Dublin
County of Alameda
UCLA

Fleet Awards
Wednesday, May 2, 5:30 p.m. - 7:30 p.m.

- In It for the Long Haul
- Shipper/Carrier
- Leading Airport Fleet
- Transit & Mobility
- Public Fleet
- Private Fleet
### WORKSHOPS & FORUMS

**Propane Autogas Answers Fleet Needs!**

With near-zero emission engine technology now available and renewable propane autogas starting to hit the market, 2018 promises to be a breakout year for the propane autogas industry. Hear from propane industry experts about today's latest vehicle technology and propane autogas fuel options, as well as from leading North American corporations about their aggressive investment in this sustainable and cost-effective fleet solution.

**8:30am - 9:00am: Introductions to Propane Products**
- Tucker Perkins, President and Chief Executive Officer, Propane Education & Research Council

**9:00am - 9:30am: Renewable Propane**
- Dave Slade, Executive Director, Renewable Energy Group
- Joy Alafia*, President and Chief Executive Officer, Western Propane Gas Association

**9:30am - 10:00am: VW Settlement Funding**
- Joe Annotti, Senior Program Manager, Gladstein, Neandross & Associates

**10:00am - 10:30am: Why Propane Vehicles Work Great**
- Mike Ross*, Senior Program Manager, Southwest Research Institute

**10:30am - 10:45am: Propane Autogas Infrastructure**
- Tucker Perkins, President and Chief Executive Officer, Propane Education & Research Council

**10:45am - 11:00am: Wrap Up**
- Tucker Perkins, President and Chief Executive Officer, Propane Education & Research Council

### WORKSHOPS & FORUMS

**CalETC Annual Member Meeting (Invite Only)***

Board meeting from 8:30 am to 12:00 pm; full member meeting from 12:30 pm to 3:30 pm.

* Invite only. Contact Hannah Goldsmith for more information: hannah@caletc.com - www.caletc.com

* Meeting is off-site

### NETWORKING

**Ride & Drive**

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WORKSHOPS & FORUMS

Ultra-Clean Heavy-Duty Vehicle Summit

From full battery-electric trucks, buses, yard hostlers, and other off-road equipment; ultra-low emission heavy-duty natural gas and propane autogas engines; to hybridized systems and hydrogen fuel cell trucks, there is now a broad array of new on- and off-road technology coming online. Several new product announcements have already been made in early 2018. Join this three-part workshop for updates on the latest regulatory projections, trends, and technologies in the ultra-clean heavy-duty vehicle arena, including in-depth discussions on commercially available product, and how fleets are navigating the ever-increasing portfolio of product from small technology start-ups to large traditional OEMs.

MODERATOR: Eric Neandross, Chief Executive Officer, Gladstein, Neandross & Associates

9:00am - 12:30pm

Room 104A

9:00am - 12:30pm: Part I: The Policy Push for Ultra Clean Commercial Vehicles

Kick off this three-part workshop with an overview of the key regulatory and policy activities driving zero and near-zero emission heavy-duty technology. The California Air Resources Board (CARB) is promulgating regulations in three relevant areas: 1) a rule requiring heavy-duty engines sold in the state to meet NOx emission levels 90% lower than the US EPA 2010 standards; 2) a rule to require transit fleets to begin aggressively phasing in zero emission transit buses, and 3) new Heavy-Duty Advanced Technology Vehicle Certification Requirements for battery electric and fuel cell vehicles greater than 8,500 lbs. Beyond CARB’s rulemaking activities, the updated Clean Truck Program in the PSan Pedro Bay Ports of Los Angeles and Long Beach will drive the deployment of thousands of near-zero and zero emission port drayage trucks in the near-term. Join this opening session for a comprehensive download on these relevant and timely policy activities.

- Bill Robertson, Vehicle Program Specialist, California Air Resources Board
  A Summary Overview of CARB’s Zero and Near Zero Emission Truck Programs and Regulations
- Heather Tomley, Director of Environmental Planning, Port of Long Beach
  San Pedro Bay Ports Clean Air Action Plan: An Aggressive Approach for Zero and Near Zero Emission Trucks

9:30am - 11:00am: Part II: A Discussion on Technology Readiness and the Path towards Commercialization

The typical process utilized by traditional manufacturers to determine when a new product or technology is considered ready for commercial sale is time and resource intensive. Many defined steps are required before reaching pre-commercial and full-commercial offerings. As the process proceeds, so too does the scale of technology demonstration and, importantly, the level of investment required by the manufacturer. However, these usual models are being challenged by a host of new technology providers and industry players, new business models and innovative partnerships – particularly given the rise of electric vehicles. While there is tremendous excitement in today’s ultra-clean heavy-duty vehicle sector, manufacturers and fleets alike know that building one unit is the easy part; but building 10,000 units every year and supporting them with a factory-backed warranty, a comprehensive parts distribution network, service centers, and dealerships on a national scale is an entirely different ballgame. Hear from a range of heavy-duty OEMs as this session explores these critical factors and help to prepare the market for the continued growth and deployment of ultra clean heavy-duty vehicles.

- Pascal Amar, Principal Investigator, Volvo
  How a Major OEM Approaches Technology Development, Commercialization, and Market Readiness
- Brian Lindgren, Manager - Research & Development, Kenworth
  The Commercialization Pathway for Advanced Technology Trucks
- Bill Kahn, Principal Engineer, Peterbilt
  Advanced Technology Development Within a Major Truck OEM
- Scott Zeppenfeldt, Vice President, Service and Parts , Velocity Vehicle Group
  Dealership Support: Key Considerations for Advanced Technology Success
- Daniel Witt, Senior Manager of Business Development and US Policy, Tesla Motors

11:00am - 12:30pm: Part III: Critical Considerations When Navigating an Increasing Diverse Product Portfolio

Part Three of this workshop will explore how fleets can best to navigate the increasing diverse portfolio of advanced ultra-clean heavy-duty products available in today’s marketplace. With so many new technologies, fuels and options in the market from a host of well-established OEMs and new technology start-ups, how does one begin to sort through the options to make the best purchasing and deployment decisions for their fleet operations? What are the critical factors a fleet should consider when making decisions about future technology procurement, decisions that will have significant upfront capital and long-term operational implications? Leading fleet operators will discuss how they have made initial investments in this rapidly development market, and how they are balancing aggressive early-state technology investments with both their current operations and a longer-term view of the future. Beyond the initial investment, key considerations such as multiple fueling infrastructures, personnel training, infrastructure upgrades and facility modifications, and other such factors will also be explored during this panel.

- Todd Sloan, Vice President, Engineering, Agility
  Calculated Decisions: Selecting the Right Fuel for the Operation
- Elizabeth Fretheim, Director of Sustainability, Walmart
  Accelerating Advanced Clean Technology Innovation and Commercialization for Goods Movement Sustainability
- Bill Bliem, Senior Vice President Fleet Services, NFI Industries
  Picking the Right Partners for Fleet Sustainability
- Alison Bird, Manager, Environmental Engineering, FedEx Express
  Navigating a Multi-Fuel Future to Zero-In on the Best Solutions
WORKSHOPS & FORUMS

PMSA Ultra-Clean Cargo Handling Equipment Summit

This session will run concurrently with the Ultra Clean Heavy-Duty Vehicle Summit.

Unquestionably, 2017 was an exciting year for new zero and near-zero emission product announcements; from trucks, buses, yard hostlers, and other off-road equipment. The forthcoming year will be no different with several new product announcements already made in early 2018. Join this three-part workshop to get an update on the latest regulatory projections, technologies and infrastructure challenges in the ultra-clean cargo handling equipment arena, including in-depth discussions on what truly defines commercially available product, and how terminal operators are navigating the ever-increasing portfolio of product available to them from small technology start-ups to large traditional OEMs.

9:00am - 9:30am: Part I: The Policy Push for Ultra Clean Equipment & Vehicles

Kick off this three-part workshop with an overview of the key regulatory and policy activities driving the forward path for zero and near-zero emission heavy-duty technology. The California Air Resources Board (CARB) is promulgating regulations in three relevant areas: 1) a rule that will soon require heavy-duty engines sold in the state to meet NOx emission levels which are 90% lower than the US EPA 2010 standards; 2) a rule to require transit fleets to begin aggressively phasing in zero emission transit buses, and 3) new Heavy-Duty Advanced Technology Vehicle Certification Requirements for battery electric and fuel cell vehicles greater than 8,500 lbs. Beyond CARB’s aggressive rulemaking activities, the updated Clean Truck Program in the Ports of Los Angeles and Long Beach will drive the deployment of thousands of near-zero and zero emission port drayage trucks in the near-term. Join this opening session for a comprehensive download on these relevant and timely policy activities.

• Bill Robertson, Vehicle Program Specialist, California Air Resources Board
  CARB’s Low NOx HD Engine Regulation and Zero Emission Certification Process

• Heather Tomley, Director of Environmental Planning, Port of Long Beach
  San Pedro Bay Ports Clean Air Action Plan

9:30am - 11:00am: Part II: Dueling Technologies for Cleaner Cargo-Handling Equipment

Two different technologies have emerged as top competitors to advance emission reductions from cargo-handling equipment used at ports, rail yard and logistic warehouses. Natural gas and electrification promise reduced emissions, and difference in emissions benefit is less than one percent. Both technologies have ardent supporters and detractors with different operational and lifecycle costs. This panel will feature perspectives from technology providers, terminal operators and port staff who will discuss the challenges and benefits to both technology options.

MODERATOR: Michele Grubbs, Vice President, PMSA

• Heather Tomley, Director of Environmental Planning, Port of Long Beach
• David Gully, Regional/Intermodal Sales Manager-Western Region, Taylor Machine Works
• Vincent Illia, Regional Sales Manager-West, Capacity
• John Gerra, Director of Business Development, BYD

11:00am - 12:30pm: Part III: Challenges of Near Zero and Zero Emission Infrastructure at Ports, Rail Yards and Logistic Warehouses

If natural gas and electricity remain the only pathways to achieve near-zero and zero emission performance from equipment at ports, an entirely new supporting infrastructure will need to be developed. Currently, no natural gas fueling infrastructure exists on marine terminals, nor do marine terminals or ports currently have the necessary electrical infrastructure to support equipment electrification. What steps are necessary to provide this infrastructure, how long will it take, how much will it cost, can operations be continued during construction and can the work be done in the next 8 years to meet the California emissions reductions deadlines?

MODERATOR: Thomas Jelenic, Vice President, PMSA

• Chris Cannon, Chris Cannon, Director Environmental Management Division, Port of Los Angeles
• Greg Roche, Vice President, Sustainable Tracking, Clean Energy
• Damon Hannaman, Senior Account Manager, Southern California Edison
• Kevin Maggay, Program Manager, Energy and Environmental Affairs, Southern California Gas Company
• Larry Nye, Vice President, Moffat & Nichol
MEMA Southern California May Chapter Meeting**

The Municipal Equipment Maintenance Association’s (MEMA) goal is to improve the quality of service in the public sector by providing a forum for the free exchange of experience, technical knowledge, ideas and opinions that enhance the delivery of public services and promote the personal and professional growth of their members. MEMA is hosting their Southern California chapter meeting in partnership with ACT Expo. This workshop will include remarks from MEMA president Paul Condran, and panel discussions on vehicle safety equipment and renewable natural gas.

**This session is for municipal fleets only. Advanced registration is required. Lunch will be provided.

Funding Workshop**

There has never been a more lucrative opportunity for the advanced clean transportation industry. Billions of dollars in public grants and incentives will begin to flow in mid-2018. Critical information on how the $4.7 billion in Volkswagen Consent Decree settlement funds will become available right at the time of this critical ACT Expo workshop. Perhaps most mind-boggling is that the $4.7 billion coming from the VW settlement pales in comparison to the funding programs currently available across North America. From carbon credits to utility incentives, to diesel displacement and air quality improvement grants, funding is accessible for every kind of alternative fuel project on the market. A shining example of this is the $663 million in low-carbon transportation funds that was just authorized by the California Air Resources Board in mid-December 2017. Along with the VW funds, and an array of traditional grant and incentive programs, these significant California dollars will be offered to the market beginning in 2018 for investment in the cleaner cars, heavy-duty trucks, buses and on- and off-road freight equipment.

With billions of dollars up for grabs, you are not going to want to miss this important Funding Workshop. Public and private entities alike are working aggressively to seek funding for their clean transportation technology, fueling infrastructure, and market acceleration activities. Attend this important session to learn how all of these incredible funding programs are expected to take shape in 2018 and how you can get in on the action. Funding experts from around the country will be on hand to provide guidance and answer your questions about how to leverage these multiple lucrative opportunities.

**Lunch will be provided. Pre-registration is required. See registration counter.

1:00pm - 1:15pm: Introduction: Understanding the Basic Parameters Around Accessing Funding

There is a considerable amount of funding available at the local, state, and federal levels across the U.S. and Canada. But understanding where and how funds are deployed and what is needed to compete for those funds can be a challenge. Kick off the funding workshop with a breakdown of the basics of applying for funding and an overview of the types of programs that exist throughout North America.

• **Joe Annotti**, Senior Program Manager, Gladstein, Neandross & Associates
  Finding Funding: Grants & Incentives 101

1:15pm - 2:15pm: Part 1: New Approaches to Traditional Funding Sources

With new vehicle technology, stricter air quality and sustainability goals and regulations, many funding agencies are rethinking the way they expend their resources to achieve greater fleet penetration of clean vehicles. Learn from a panel of experts:

− How the two largest state programs are redeploying their funding to accelerate innovation within clean transportation while also ensuring significant market penetration
− How carbon credits and monetizing those credits has evolved with electrification and what that can mean for your fleet
− What the federal funding landscape looks like as well as what other states are doing to advance the industry

MODERATOR: **Joe Annotti**, Senior Program Manager, Gladstein, Neandross & Associates

• **Brett Aristegui**, Manager, US Department of Energy
  The National Funding Landscape

• **Michelle Buffington**, Manager, Off-Road Agricultural Strategies and Incentives Section, California Air Resources Board
  CARB’s Three-Year Investment Strategy

• **Sean Turner**, Chief Operating Officer, Gladstein, Neandross & Associates
  Monetizing LCFS Credits to Reduce EV Project Costs

• **Brian Fauble**, Energy Commission Specialist I, California Energy Commission
  Investing in the Future of Alternative and Renewable Fuels and Vehicle Technologies

Funding Workshop schedule continued on next page
2:15pm - 3:30pm: Part 2: VW Funding: What Fleets Need to Know
The roll out of the Volkswagen Environmental Mitigation Trust funding across the U.S. has provided an unmatched opportunity for fleets to accelerate clean vehicle replacements. Understanding how to go after this funding and tracking its deployment can be difficult for even the most well-staffed fleets. This panel will provide insight on

- The distribution of the Volkswagen funding, where it currently stands, and what the next steps are in the allocation process
- How you can determine if your fleet or technology project is competitive
- How are states distributing funds
- How can you be prepared to compete for these funds
- How can you be involved in the process to accelerate your likelihood of receiving funding

MODERATOR: Joe Annotti, Senior Program Manager, Gladstein, Neandross & Associates

- Steve McCannon, Mobile Sources Program Director, Regional Air Quality Council Colorado
  What Colorado Can Teach Other States
- Chelsea Jenkins, Executive Director of Government Affairs, Roush
  Cash for a Cause: A Technology Providers Approach to VW Settlement Funds
- Dean Stapleton, Senior Manager, Alternative Fuels, Penske Truck Leasing
  How Penske has Integrated VW into their Management Strategy
- Jeff Clarke, General Counsel & Director, Regulatory Affairs, NGVAmerica
  Using Data to Drive VW Funding Advocacy

Agenda - Friday, May 4

WORKSHOPS & FORUMS
CEC: Bringing Zero-Emission Infrastructure Technology Manufacturing to California
California’s target of five million zero-emission vehicles (ZEV) on the road by 2030 compels a need to assess infrastructure supply chains that will support these vehicles. But what does the supply chain for ZEV infrastructure and components look like? How does the state “future proof” this infrastructure supply chain while harnessing economic growth and real jobs in California? Join the California Energy Commission in a lively roundtable discussion about these opportunities and challenges to support in-state ZEV infrastructure manufacturing. Speakers will engage participants to explore market readiness, accelerate ZEV infrastructure growth, and generate ideas to deploy and align funding incentives.

Lunch will be available. Pre-registration is required. See registration counter.
Learn more: https://www.actexpo.com/cec-roundtable-discussion

9:00am - 9:15am: Opening Remarks

9:15am - 10:45am: Roundtable #1: Assessing the Full Potential
This panel will quantify opportunities for California ZEV infrastructure manufacturing growth, including potential facility locations, job creation estimates, and implementation timelines.

10:50am - 12:30pm: Roundtable #2: Identifying Barriers and Challenges
This panel will capture expert insight on where roadblocks might exist, as well as key lessons learned from companies with experience manufacturing ZEV technology in California.

12:30pm - 2:00pm: Lunch Presentation: Access

2:00pm - 3:15pm: Roundtable #3: Setting Goals & Action Plans
This panel will identify tangible actions to accelerate ZEV technology development, including strategies to attract private investment, ideal infrastructure locations (residential and commercial) and incentive funding pathways.

3:15pm - 3:30pm: Concluding Remarks
For the latest agenda, speaker, and exhibitor information, download the mobile app at www.actexpo.com/mobileapp

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