

CONFERENCE PROGRAM



ACT EXPO

Conference: May 1-4, 2017
Exposition: May 2-3, 2017
Long Beach, CA

In partnership with: FleetOwner



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ACT Expo is presented in partnership with Penton Trucking and its transportation-focused media outlets: Fleet Owner, American Trucker, 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.

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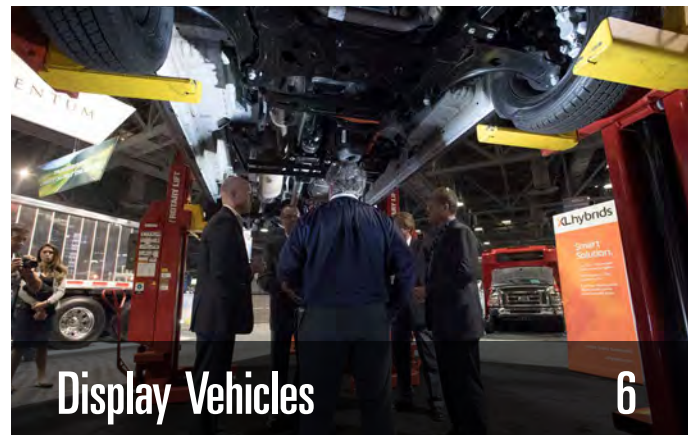
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Find your favorite Speakers and view their sessions.



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2017 Expo Hall & Exhibitor List

EXPO HALL HOURS:

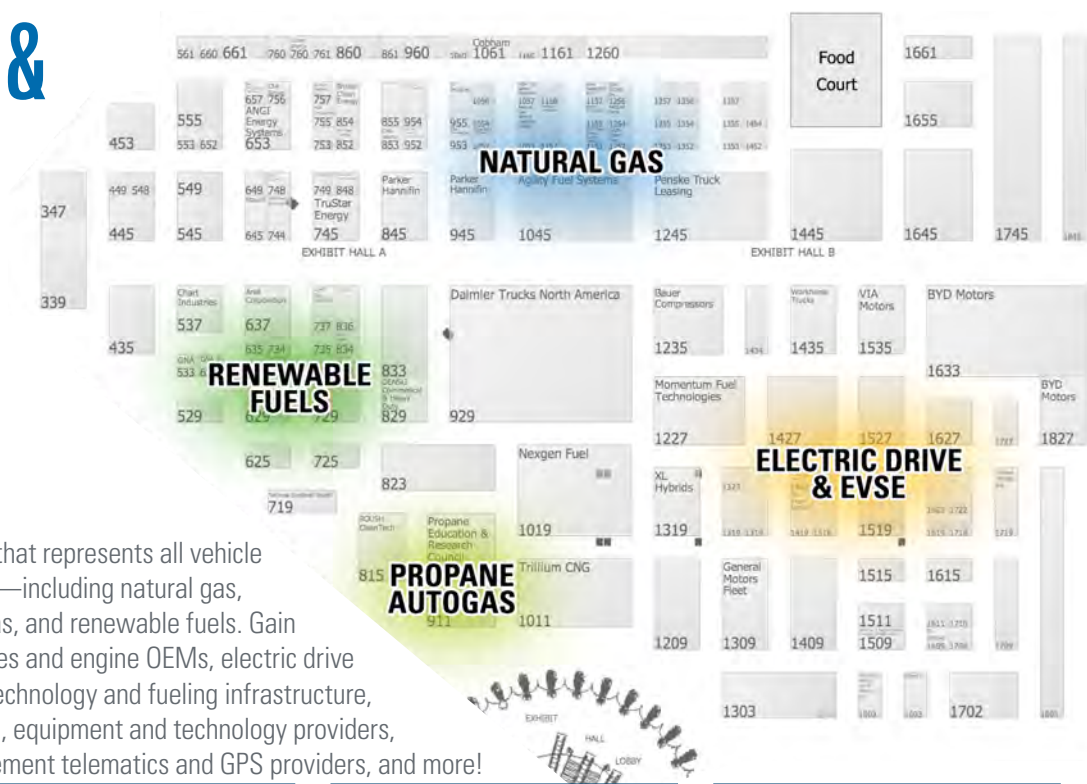
Tuesday, May 2

4:45 p.m. to 7:00 p.m.

Wednesday, May 3

12:15 p.m. to 6:00 p.m.

ACT Expo features a massive exhibit hall that represents all vehicle weight classes and alternative fuel types—including natural gas, electric, hybrid, hydrogen, propane autogas, and renewable fuels. Gain hands-on access to alternative fuel vehicles and engine OEMs, electric drive vehicles, EV charging stations, refueling technology and fueling infrastructure, conversion products and service providers, equipment and technology providers, trucking efficiency solutions, fleet management telematics and GPS providers, and more!



Exhibitor	Booth	Exhibitor	Booth	Exhibitor	Booth	Exhibitor	Booth
ABB Inc.	1710	Cobey Energy	656	Icom North America	823	Propane Education & Research Council	911
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For up-to-date exhibitor information, download the mobile app or visit www.actexpo.com/expohall

Advanced Clean Technology Display Vehicles



ADOMANI & GreenPower Bus All-Electric School Bus



Agility Fuel Solutions - City of Los Angeles Refuse Truck with CNG Agility Fuel System



Agility Fuel Solutions - Freightliner Cascadia Class 8 Tractor with CNG Agility Fuel System



Agility Fuel Solutions - Waste Management Refuse Truck with CNG Agility Fuel System



BYD All-Electric Articulated Transit Bus



BYD All-Electric Yard Truck



BYD All-Electric Refuse Truck



BYD All-Electric Lithium Ion Forklift



Chevrolet All-Electric Bolt



Chevrolet Plug-In Hybrid-Electric Volt



Chrysler All-Electric Pacifica Minivan



Cimarron Composites Jupiter Type 4 Natural Gas Mobile Tube Trailer



Creative Bus Sales All-Electric Ford F-59 Chassis



Cummins Westport 2018 Ultra Low NOx Natural Gas Engines



EControls Fuel Systems Freightliner Cascadia Class 8 Tractor with Trailer



Effenco Hybrid-Electric Yard Truck with Active Start/Stop Technology



Fiat All-Electric 500e



Freightliner SuperTruck



Freightliner CNG Cascadia Class 8 Truck



Freightliner CNG M2-112 TYMCO Sweeper



Freightliner Custom Chassis - Propane Autogas S2G Chassis



GreenPower Bus All-Electric Double-Decker Bus



HINO Hybrid-Electric Box Truck



Honda All-Electric Clarity



Honda Fuel Cell Clarity



Honda Plug-In Hybrid-Electric Clarity



Icom Propane Direct Injection Ford Explorer



Kenworth T880S CNG Mixer Truck with ISL-G NZ Engine



Kenworth T680 ISX12-G with Agility CNG Fuel Cabinet System



Kia All-Electric Soul Crossover



Kia Hybrid-Electric Niro Crossover



Kia Hybrid-Electric Optima



Lightning Hybrids Hydraulic-Hybrid Ford E-450 Truck w/ Energy Recovery System



Mitsubishi Fuso All-Electric Canter E-Cell Box Truck



Mitsubishi Plug-In Hybrid-Electric Outlander SUV



National Biodiesel Board - Ford F-250 SuperDuty Biodiesel Crew Cab Pickup



Nordresa All-Electric Step Van



PERC Icom Ford F-450 Propane Autogas Truck



PERC Roush CleanTech Ford F-750 Propane Autogas Truck



PG&E Plug-In Hybrid-Electric Class 6 Truck w/CWI 9-Liter NZE Engine



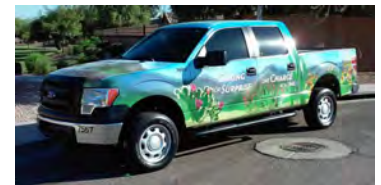
Phoenix Motorcars All-Electric ZEUS Shuttle Bus



Roush CleanTech - Ford F-59 Propane Autogas Step Van



Thomas Built Buses C2 CNG School Bus



Torque Trends All-Electric Ford F-150 SuperCrew Cab with All-Electric Upfit



Toyota Fuel Cell Mirai



Toyota Plug-In Hybrid-Electric Prius Prime



TransPower Kalmar All-Electric T2 Yard Tractor



UPS DOE-Sponsored Fuel Cell Class 6 Truck



US Hybrid All-Electric Class 8 Tractor



US Hybrid Fuel Cell Class 8 Tractor



US Hybrid Plug-In Hybrid-Electric/LNG Class 8 Tractor



Workhorse Trucks All-Electric W-15 Pickup



Worthington Kenworth CNG Fuel System Class 8 Tractor



XL Hybrids Ford F-150 with Plug-In Hybrid-Electric Upfit



XL Hybrids Hybrid-Electric Ford Transit Van



Zenith Motors All-Electric Shuttle Bus

Keynote Speakers



Thom Shea
Chief Executive Officer
Adamantine Alliance

OPENING KEYNOTE: TUESDAY, MAY 2

ACT Expo attendees will have the unique opportunity to hear from a highly decorated US Navy SEAL, distinguished author, and renowned leadership and human performance coach. With a number of policy and budget changes at the federal level, and the always present oil price roller coaster, the advanced technology and alternative fuels sectors face continued uncertainty and possible headwinds. Shea will share (non classified) first-hand accounts from his time as a Navy SEAL and exhilarating insight on how the world's most successful people can thrive in the face of adversity and uncertainty. You will not want to miss this talk!



Mike Casteel
Director of Fleet Procurement
UPS

ACT TALKS ONE-ON-ONE: TUESDAY, MAY 2



Michael Backstrom
Managing Director of Energy
and Environmental Policy
Southern California Edison

URBAN MOBILITY KEYNOTE: WEDNESDAY, MAY 3

Keynote Recognition and Perspectives from Transportation Trailblazers



Mike Britt
Director of Maintenance
& Engineering
UPS



David Meisel
Senior Director of Transportation
Services & Aviation Services
**Pacific Gas & Electric
Company (PG&E)**



Jim Mele
Editor-in-Chief
Fleet Owner



Roy Willis
President and Chief Executive Officer
**Propane Education and
Research Council**

Featured Speakers



Sandra Berg
Vice Chair
California Air
Resources Board



Matthew Brown
Fleet Director
Stanford University



Tim Burrie
Maintenance Manager
San Diego
Metropolitan Transit



Steve Center
VP, Environmental Business
Development & Product
Regulatory Office
American Honda



Kirt Conrad
Executive Director/
Chief Executive Officer
SARTA



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



Elizabeth Fretheim
Director, Sustainability
Walmart



Randy Frye
State Representative
District 67, Indiana State
House of Representatives



Kathryn Garcia
Commissioner
New York City
Department of Sanitation



Thaddeus Kledzik
Transportation Operations
Supervisor
Pasco County Florida Schools



Phillip Kobernick
Sustainability Project Manager
County of Alameda, GSA



Steve Larsen
Director of Procurement and Fuel
Ruan Transport Corporation



Brian Lindgren
Research & Development
Director
Kenworth Truck Company



Gary Maresca
Senior Director of
Fleet Services
Bimbo Bakeries USA



Clint Marsh
Team Lead, Fleet Design
Semptra Utilities (SDG&E)



Mark Matheson
Chief Executive Officer
& President
Matheson Trucking



Pete Melin
Director of Zero-Emissions
Fleet Technologies
Metro Transit of King County



Marty Mitchell
Fleet Director
Athens Services



Mustafa Mohatarem
Chief Economist
General Motors Corporation



Bob Myers
Division Chief of Equipment
California Department
of Transportation



Rob Neitzke
President
Cummins Westport



Andrea Pratt
Green Fleet & Fuel
Program Manager
City of Seattle



Jonathan Randall
Senior Vice President,
North American Sales
Mack Trucks



Kary Schaefer
General Manager,
Marketing and Strategy
Daimler Trucks North America



Mike Silva
Civil Engineer &
Project Manager
CR&R



Lauren Skiver
Chief Executive Officer
& General Manager
SunLine Transit



Joanna Wadsworth
Program Manager,
Department of Public Works
City of Las Vegas



Michelle Wiseman
Director of Waste Diversion
City of Atlanta

2017 Planning Committees

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 clean transportation. These organizations include industry associations, leading fleets, and the US Department of Energy's Clean Cities Coalitions.

2017 Supporting Industry Associations

Industry associations across the clean 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.



2017 High-Volume Fleet Planning Committee

To help ensure that the programming addresses the most relevant topics for fleet managers, the agenda is planned with the ongoing assistance of a High-Volume Fleet Committee whose members collectively manage thousands of alternative fuel vehicles.



2017 Clean Cities Planning Committee

ACT Expo is proud to have the support of the national Clean Cities team. Local coalitions assist us in developing relevant agenda topics as the on-the-ground experts who work tirelessly to advance alternative fuels and advanced vehicle technologies.

Argonne National Laboratory
Clean Cities Atlanta
Clean Fuels Ohio
Dallas-Fort Worth Clean Cities Coalition
Denver Metro Clean Cities Coalition
Greater Indiana Clean Cities Coalition

Greater New Haven Clean Cities Coalition
Kentucky Clean Fuels Coalition
Los Angeles Clean Cities Coalition
Maryland Energy Administration
National Renewable Energy Laboratory
New Jersey Clean Cities Coalition

San Diego Regional Clean Cities Coalition
South Shore Clean Cities Coalition
Tulsa Area Clean Cities Coalition
Virginia Clean Cities Coalition
Western Washington Clean Cities Coalition

Schedule at a Glance

MONDAY, MAY 1

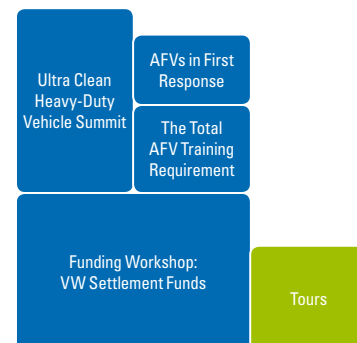
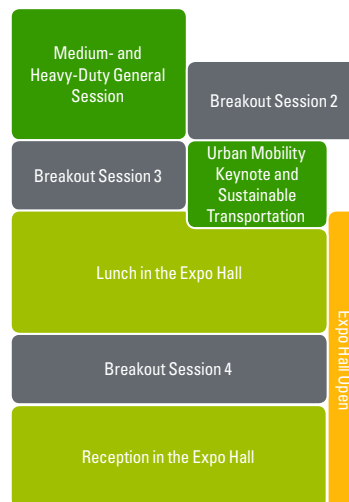
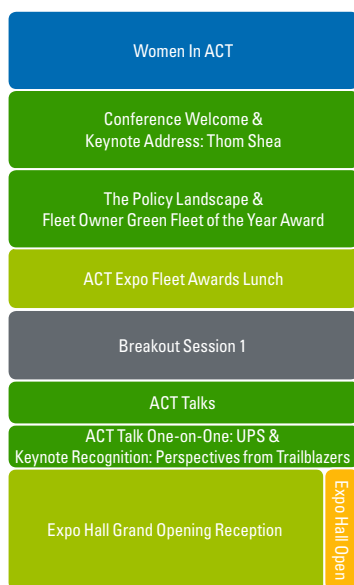
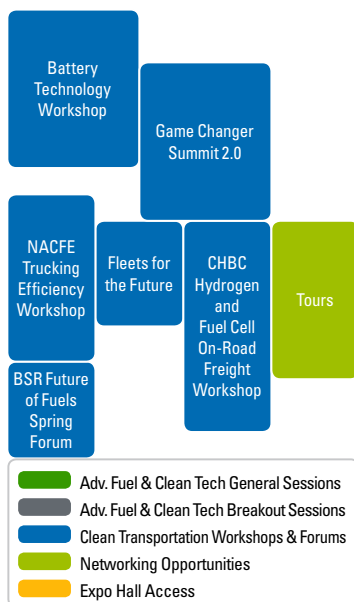
TUESDAY, MAY 2

WEDNESDAY, MAY 3

THURSDAY, MAY 4

AM

PM



Agenda | Monday, May 1

Adv. Fuel & Clean Tech. General Sessions ■
Adv. Fuel & Clean Tech. Breakout Sessions ■
Clean Transportation Workshops & Forums ■
Networking Opportunities ■

9:00 a.m. - 12:00 noon

WORKSHOPS & FORUMS Battery Technology Workshop

The electrification of the transportation sector is driving a surge in the development of new battery technologies, production capabilities, and battery performance. This rapid shift in the transportation sector and the focus on the environmental and energy benefits of electric vehicles 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. Learn the differences between lithium-ion, nickel-metal hydride, ion-phosphate, lithium-oxygen, sodium-ion, and other advanced battery technologies. In addition to performance, weight, and affordability, learn more about important beginning and end-of-life issues (i.e. sourcing and recycling) when it comes to selecting compounds such as cobalt, lithium, graphite, and other/or materials. Other key topics will include current research and expected advancements in battery technologies, national and global market trends, production capabilities and the emergence of mega factories, safety considerations, and other cutting-edge issues.

9:00 a.m. - State of Battery Technology

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

- **Otto Schmid**, Director, Product Management, Mitsubishi Fuso Truck of America
- **AJ Naddell**, Business Development – Electric Trucks, BYD Heavy Industries
- **Dean Taylor**, Senior Scientist, Southern California Edison
- **Jonathan Hart**, Specialist, Technology Integration, Distributed Energy Resources Programs, Center for Sustainable Energy

10:40 a.m. - Recycling & Second Life Application

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

- **Linda Gaines**, Transportation System Analyst, Center for Transportation Research, Argonne National Laboratory
- **Arcady Sosinov**, Chief Executive Officer, FreeWire Technologies, Inc.
- **Byron Washom**, Director of Strategic Energy Initiatives, Center for Energy Research, University of California, San Diego

Agenda – Monday, May 1 (cont)

Adv. Fuel & Clean Tech. General Sessions ■
Adv. Fuel & Clean Tech. Breakout Sessions ■
Clean Transportation Workshops & Forums ■
Networking Opportunities ■

10:00 a.m. - 1:00 p.m.

WORKSHOPS & FORUMS

Game Changer Summit 2.0

Lunch presented by



Westport



Picking up where ACT Expo 2016 left off, the 2nd annual Game Changer Summit will provide a comprehensive update on the Cummins Westport ISLG "NZ" (near zero) natural gas engine deployment—a transformative sustainability solution that is making significant headway in the refuse and transit sectors, and also beginning to gain steam in the on-road truck segment. With the "NZ" version of the Cummins Westport ISX 12 liter engine now running in early trials, and commercial product expected within a year, meaningful continued growth within this segment is expected. Hear from a number of leading fleets that now have run hundreds of thousands of miles, powered by NZ engines and RNG, and understand what developments are expected in this market in this incredibly exciting and important market year ahead.

10:00 a.m. - Engine Update

- **Rob Neitzke**, President, Cummins Westport Inc.
MOVE TO ZERO: An Update on Cummins Westport's Near Zero Emission Engine Platforms

10:15 a.m. - RNG Market Update

- **Johannes Escudero**, Chief Executive Officer & Executive Director, Coalition for Renewable Natural Gas
A Update and Overview on a Strong and Growing RNG Market

10:30 a.m. - Market Update from Fleets

MODERATOR: **Bill Cashmareck**, Managing Director, Trillium CNG

- **Tim Burrie**, Maintenance Manager, San Diego Metropolitan Transit System
A Winning Combination – Combining Near Zero Emission Engine Technologies and Renewable Natural Gas to Achieve Zero Emission Equivalent Operations
- **Marty Mitchell**, Fleet Director, Athens Services
Combining Near Zero Emission Engines and Renewable Natural Gas for Sustainable Collection Services
- **Christine Derenick-Lopez**, Chief Administrative Officer, City of Philadelphia
Advancing Renewable CNG in Philadelphia - The Pathway to a Cleaner City
- **Vic LaRosa**, Chief Executive Officer, President, Founder, TTSI
Feedback from the Field – Initial Results from the First Deployment of the Cummins Westport ISXG 12-Liter Near Zero Engine

11:45 a.m. - Lunch Break

12:15 p.m. - Vision for Future Deployment of Near Zero Emission Heavy-Duty Vehicles

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

- **Thomas Lawson**, California Natural Gas Vehicle Coalition
California Perspective on RNG and the .02g Standard
- **Greg Roche**, Vice President, Clean Energy Fuels
Advanced Clean Trucks (ACT) Now Plan for Port Drayage Trucks
- **George Minter**, Regional Vice President, External Affairs and Environmental Strategy, SoCalGas
Achieving Maximum Criteria and GHG Emission Reductions for the Least Cost in the Transit Sector

Join the conversation



Share your experience **#ACTExpo @ACTExpo**

Agenda — Monday, May 1 (cont)

■ Adv. Fuel & Clean Tech. General Sessions
■ Adv. Fuel & Clean Tech. Breakout Sessions
■ Clean Transportation Workshops & Forums
■ Networking Opportunities

12:30 p.m. - 3:30 p.m.

WORKSHOPS & FORUMS

NACFE Trucking Efficiency Workshop

Presented by



This workshop will provide an intimate forum to explore the North American Council on Freight Efficiency's (NACFE) work encouraging the use of advanced technologies to improve fuel economy for Class-8 tractor trailers. With approximately 1.8 million Class 8 trucks operating in North America, 28 billion gallons of diesel are consumed each year in this industry. Working to reduce the volume of fuel consumed by this sector is a top priority of truckers that pay these fuel bills, as well as policy makers who are looking to reduce our nation's dependence on imported energy sources. Small group discussions will uncover the benefits and challenges of adopting various technologies, including 6x2 axles, idle reduction devices, electronic engine settings, and automated transmissions.

12:30 p.m. - Trucking Efficiency and Technologies

1:00 p.m. - Keynote on Autonomous Technologies Pathways

1:30 p.m. - Q&A with Trucking Executives

2:00 p.m. - Four Breakout Sessions on Confidence in Technologies

Aerodynamics, Platooning, 6x2 Chassis, and Powertrain

2:45 p.m. - Four Breakout Sessions on Confidence in Technologies

Aerodynamics, Platooning, 6x2 Chassis, and Powertrain

1:00 p.m. - 3:00 p.m.

WORKSHOPS & FORUMS

Fleets for the Future: Innovative Procurement Strategies to Reduce Cost & Aggregate Demand

Presented by



Procurement activities for new vehicles and alternative fuel technologies can be a daunting task for many fleets. This peer-to-peer workshop will present efforts by Fleets for the Future, a U.S. Department of Energy Clean Cities project. This effort, led by the National Association of Regional Councils, focuses on making the procurement process easier and less expensive for fleets across all weight classes and ownership models. Through aggregated purchasing and a streamlined, intelligent procurement process, this project plans to reduce costs and increase deployment of alternative fuel vehicles. This workshop will explore the following topics:

- What current efforts are underway to aggregate demand for new alternative fuel vehicle technologies? What results are known? What lessons can be learned?
- How can fleets join Fleets for the Future's existing efforts for joint procurement?
- What considerations are needed when procuring alternative fuel vehicle technologies?
- How can the models that work well be expanded to other alternative fuel vehicle types, weight classes, and organizations?

1:00 p.m. - 4:00 p.m.

Tours

1:00 p.m. - Tour A: City of Long Beach

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.



1:00 p.m. - Tour B: Experience American Honda

Join American Honda at its North American Headquarters in Torrance, California, for a reveal of its three Clarity models: the Battery Electric, Fuel Cell Electric, and Plug-in Hybrid. The reveal will include an overview of national marketing efforts to deploy the Clarity as well as an opportunity to get in the new vehicles and test them out! Attendees will also see the onsite solar-powered hydrogen fueling station and workplace chargers on the American Honda campus.



1:00 p.m. - 5:00 p.m.

WORKSHOPS & FORUMS

CHBC Hydrogen and Fuel Cell On-Road Freight Workshop

Hosted by



CALIFORNIA HYDROGEN
BUSINESS COUNCIL



The movement of freight and goods from the commercial ports to consumers represents a vital component of US transportation infrastructure and the US economy. Seaports and distribution networks are economic drivers for jobs and development, and entry points for goods used throughout the country. They also cause significant local air and greenhouse gas emissions, and the medium- and heavy-duty truck fleets that move goods from ports cause problems well beyond the boundaries of the ports. Join the California Hydrogen Business Council in a half-day workshop 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- and heavy-duty OEMs will present, followed by discussion and presentations from hydrogen technology providers on the status of freight demonstrations, future visions, and lessons learned from other fuel cell products that have reached commercialization.

1:00 p.m. - Welcome and Overview

1:10 p.m. - Keynote – Zero Emission Fuel Cell Technologies for Freight and Goods Distribution

- **Peter Devlin**, Market Transformation Program Manager, Fuel Cell Technologies Office, US Department of Energy

1:30 p.m. - User and Operator Perspectives

Fleet operators and trucking companies provide their insights, identifying their concerns and needs.

2:15 p.m. - 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.

3:00 p.m. - Networking Break

3:20 p.m. - Technology Developer Perspectives

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

4:05 p.m. - Heavy-Duty Hydrogen Refueling

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

4:25 p.m. - Closing Keynote - Lessons Learned from Fuel Cell Forklift Commercialization and Applicability to Hydrogen Freight

Summary of success story of hydrogen fuel cell forklifts and relevant lessons for freight strategies on the road to commercialization.

- **Jim Petrecky**, Vice President of Business Development, Plug Power

4:50 p.m. - Open Discussion, Outcomes and Action Items

5:45 p.m. - Happy Hour Networking (Location TBA)

3:45 p.m. - 5:30 p.m.

WORKSHOPS & FORUMS

BSR Future of Fuels Spring Forum: What Will It Take to Scale Low-Carbon Fuels? Launch of the Sustainable Fuel Buyers' Principles

Presented by



BSR

Sustainable fuels and related technologies are increasingly critical to business success. But which fuels are sustainable and how do they scale? BSR will lead a discussion on the newly launched Sustainable Fuel Buyers' Principles. Developed by BSR's Future of Fuels members, including UPS, Walmart, and Amazon, the Fuel Principles are designed to increase the availability of sustainable, low-carbon fuels by: 1) signaling the magnitude of business demand, 2) clarifying sustainability criteria needed for uptake, and 3) encouraging partnerships and pilots with suppliers. BSR's Future of Fuels works with its corporate members and more than 600 stakeholders to improve fuel choices as a critical piece of the global freight agenda, and ultimately to drive a sustainable transition to sustainable commercial freight.

8:00 a.m. - 9:30 a.m.

WORKSHOPS & FORUMS

Women In ACT: Transcending Barriers & Achieving Innovation in Transportation

Supported by



Technological innovation and an ever-increasing focus on sustainability is changing the way we think about transportation solutions to deliver people, goods, and services. Innovation and leadership is key to achieving a new transportation paradigm. Hear from women in the public and private sectors who have made meaningful impacts and helped to transform the advanced clean transportation market, including how they got started in their industry and what has motivated them to continue pushing cleaner fuels and technologies forward. These Women in ACT are working to ensure that a diverse range of perspectives are incorporated as we clean up our nation's roadways and move to the future of mobility and freight.

MODERATOR: **Jon Coleman**, Director, City Solutions, Ford Smart Mobility

- **Kathryn Garcia**, Commissioner, New York City Department of Sanitation
Championing Innovation at the World's Largest Sanitation Agency
- **Tina Quigley**, General Manager, Regional Transportation Commission of Southern Nevada
Pushing Technological Advances to Sustain Nevada's Economic Vibrancy
- **Seleta Reynolds**, General Manager, Los Angeles Department of Transportation
Integrating AFV Transit Operations in the Most Densely Populated Metros
- **Eileen Tutt**, Executive Director, California Electric Transportation Coalition
Pioneering Transportation Electrification and the Role of Utilities
- **Caroline Choi**, Senior Vice President – Regulatory Affairs, Southern California Edison
Championing Transportation Electrification at Leading Utility
- **Jordan Davis**, Director, Smart Cities Strategy and Collaboration, The Columbus Partnership
Moving Columbus into the Future

9:30 a.m. - 9:50 a.m.

GENERAL SESSION Conference Welcome

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

9:50 a.m. - 10:50 a.m.

GENERAL SESSION Keynote Address

Thom Shea, Chief Executive Officer, Adamantine Alliance

10:50 a.m. - 12:05 p.m.

GENERAL SESSION The Policy Landscape for Advanced, Clean & Innovative Transportation

Public policy and regulatory influences have always played a critical role in the development of cleaner transportation options at the local, state, and national levels. Leading policymakers and public agencies have flexed their muscle in the development of transformative policy that has helped lead to higher fuel efficiency standards, cleaner engines, and other advanced vehicle technology development, procurement, and deployment—all of which affect fleet operations. Hear from progressive leaders around the world who are pushing the envelope to achieve even cleaner and more advanced transportation options and models for goods and people movement. With a new administration in Washington, DC, the landscape for advanced clean transportation technologies and infrastructure is set to shift. The question is, in which direction and how will such a shift impact others at the local, state, and international levels?

MODERATOR: **Eric Danko**, Vice President for Government Affairs and Coalitions Management, Securing America's Future Energy

- **Randy Frye**, State Representative, District 67, Indiana State House of Representatives
How VP Mike Pence and I Worked Together to Advanced AFVs in Indiana
- **Anne Korin**, Co-Director, Institute for the Analysis of Global Security (IAGS)
Petroleum Resources in the Current Geopolitical Landscape
- **Sandra Berg**, Vice Chair, California Air Resources Board
How California Plans to Continue Leading the Nation in Advanced, Clean Transportation
- **Margo Oge**, Former Director, Office of Transportation & Air Quality; Vice Chairman, DeltaWing Technologies
What's Happening at EPA and What to Expect in the Next Four Years

12:05 p.m. - 12:15 p.m.

GENERAL SESSION
**Fleet Owner Green
 Fleet of the Year Award**

Presented by

FleetOwner

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.

12:15 p.m. - 1:30 p.m.

**ACT Expo Fleet
 Awards Lunch****

Recharge with a mouthwatering lunch while recognizing and celebrating sustainable transportation leaders.

***Open to Full Conference attendees only.*

1:30 p.m. - 2:45 p.m.

BREAKOUT SESSION 1.1
**The Role of Fleets in
 the Smart City**



The widespread connectivity afforded by smart technologies is beginning to transform the transportation sector. Data collected by buildings, vehicles, roads and other associated smart infrastructure can be used to improve vehicle efficiency, reduce transportation's environmental impacts, and increase the speed and reliability with which people, goods, and services are moved. However, a critical challenge is how best to handle this significant volume of data. Leaders in the industry are therefore inventing creative solutions to take advantage of the sheer volume of data at fleet managers' disposal. This session will explore some of the solutions that OEMs, fleets, regional agencies, and service providers have already employed to increase the ability of fleet vehicles to interact with and improve their surrounding environments.

MODERATOR: **Ben Prochazka**, Vice President, Securing America's Future Energy

- **David Peterson**, Director of Fleet Solutions, ChargePoint
The Role of Charging in the Smart City
- **Joanna Wadsworth**, Program Manager, Department of Public Works, Transportation Engineering Division, City of Las Vegas
Launching the First Electric Autonomous Shuttle on US Public Roads
- **Alex Keros**, Manager and Senior Project Engineer, Maven & General Motors
Emerging Opportunities for Shared-Use & Fleets



Fleet Awards

Tuesday, May 2, 12:15 p.m. - 1:30 p.m.

- In It for the Long Haul
- Shipper/Carrier
- Transit & Mobility
- Public Fleet
- Private Fleet
- Utility Leadership

1:30 p.m. - 2:45 p.m.

BREAKOUT SESSION 1.2 Fuel Cell Electric Vehicles On a National Stage



Fuel cell electric vehicles continue to see increased attention year over year. Hydrogen station development, new vehicle launches, and fleet deployments continue to increase at a steady pace, with significant growth expected in the near term. While the vast majority of the focus on fuel cell electric vehicles has thus far been in California, other regions throughout the US have taken a keen interest in FCEVs to meet their zero emission vehicle goals. In particular, hydrogen technologies have maintained a steady increase in market penetration for light-duty, material handling equipment, and transit applications, but they are also potentially poised to expand into new markets like port operations and heavy-duty range extension. Hear from an array of industry leaders about their work to continue to drive this market and how FCEVs can work for fleet operations across all weight classes.

MODERATOR: **Christopher Mueller**, Program Coordinator, Virginia Clean Cities

- **Craig Scott**, National Manager, Advanced Technologies Group, Toyota
Mirai Deployment: A National Approach
- **Peter Devlin**, Market Transformation Program Manager, Fuel Cell Technologies Office, US Department of Energy
Hydrogen Fuel Cell MD & HD Fleet Vehicles and Goods Movement Operations
- **Joel Rinebold**, Director of Energy Initiatives, Connecticut Center for Advanced Technology, Inc
Fuel Cell Electric Vehicles: The Northeast Roadmap
- **Lauren Skiver**, General Manager, Sunline Transit
Lessons Learned Operating a Fleet of Hydrogen Fuel Cell Buses Since 2010

1:30 p.m. - 2:45 p.m.

BREAKOUT SESSION 1.3 Status Update on Today's Heavy-Duty Natural Gas Truck Market



The unbridled growth of the heavy-duty natural gas sector lost some steam in 2016 as the price of oil dipped into the \$20 per barrel range. However, those that were already invested in this fuel and technology pathway have continued to see cost savings, even when compared to the low price of diesel. Those committed to this pathway have not shied away, but have doubled down on their commitment. Hear from those on the front lines of the heavy-duty natural gas truck revolution about how they have continued to save and why they continue to invest.

MODERATOR: **Matt Godlewski**, President, NGVAmerica

- **Presentation of NGVA Achievement Award**
- **Dean Stapleton**, Manager, Alternative Fuels, Penske Truck Leasing
Utilizing Leases to Accelerate Natural Gas Vehicle Deployment
- **Mark Matheson**, Chief Executive Officer & President, Matheson Trucking Inc.
Successfully Expanding CNG Deployments Coast to Coast
- **William Nowicke**, Chief Operating Officer and President, Agility Fuel Solutions
Natural Gas Market Driver Trends and New Technology

1:30 p.m. - 2:45 p.m.

BREAKOUT SESSION 1.4 Dumping Costs and Emissions from the Waste Industry



The stop-and-go operation of a collection truck, combined with its return-to-base route, has made heavy-duty refuse an ideal application for the increased penetration of alternative fuels and advanced transportation technologies. The ruthless nature of the refuse duty-cycle has also made this an important testing ground for new technologies and fuels; only the strongest have survived. With so many refuse operations already adopting alternative fuels, what are the next steps in terms of technology evolution, new fuels, and other innovative options to operate smarter and reduce emissions? Hear from leading waste handling fleets on their approaches to deploying new and cleaner vehicle technology in their operations, renewable fuel production through waste diversion, reducing trips and miles driven, and other innovative approaches to improving waste collection operations.

MODERATOR: **Sandra Loi**, Clean Cities Project Leader, Clean Cities- US Dept of Energy

- **Kathryn Garcia**, Commissioner, New York City Department of Sanitation
Demonstrating DME and Other Efficiency Measures in the World's Largest Sanitation Agency
- **Michelle Wiseman**, Director of Waste Diversion, City of Atlanta
Utilizing Revolutionary Smart Garbage Technology to Optimize Routes
- **Alex Helou**, Assistant Director, Bureau of Sanitation Executive Office, City of Los Angeles
Dumping Emissions with Electric Waste Haulers

Tuesday, May 2 (cont)

Adv. Fuel & Clean Tech. General Sessions ■
Adv. Fuel & Clean Tech. Breakout Sessions ■
Clean Transportation Workshops & Forums ■
Networking Opportunities ■

3:00 p.m. - 4:00 p.m.

GENERAL SESSION ACT Talks

ACT Talks are short TED-style presentations that shine a light on key leaders driving innovation and challenging the status quo in the advanced clean transportation industry. Each of these trailblazers has helped to chart a new course in advanced vehicle technology and alternative fuels sectors. Speakers will provide insight into the current state of ACT technologies and fuels in real-world applications, as well as their vision for the future.

- **Steve Center**, Vice President, Environmental Business Development Office and the Product Regulatory Office, American Honda Motor Co., Inc.
Honda's Multiple Drive Train Approach, Leading by Example, and the Future of Mobility
- **Mustafa Mohatarem**, Chief Economist, General Motors Corporation
Future Trends in Transportation Technology, Fuels, and Car-Buying Decision-Making
- **Mike Silva**, Civil Engineer / Project Manager, CR&R
California's First Pipeline Injection RNG Project Is Now Online
- **Luke Cruff**, Vice President, Engine Controls & Fuel Systems, EControls
We Are Only Just Beginning – Improving Power, Performance, Efficiency, Emission and Cost of Heavy-Duty Natural Gas Engine Technology

4:00 p.m. - 4:20 p.m.

GENERAL SESSION ACT Talk One-on-One

- **Mike Casteel**, Director of Fleet Procurement, UPS
Lessons Learned in Reaching 1 Billion Alt Fuel Miles and Expectations for the Next Billion

4:20 p.m. - 5:00 p.m.

GENERAL SESSION Keynote Recognition and Perspectives from Transportation Trailblazers

- **Mike Britt**, Director of Maintenance & Engineering, UPS
- **David Meisel**, Senior Director of Transportation Services & Aviation Services, Pacific Gas & Electric Company (PG&E)
- **Jim Mele**, Editor-in-Chief, Fleet Owner
- **Roy Willis**, President and Chief Executive Officer, Propane Education and Research Council

4:45 p.m. - 7:00 p.m.

Expo Hall Grand Opening Reception



8:30 a.m. - 10:45 a.m.

GENERAL SESSION Medium- and Heavy-Duty General Session



8:30 a.m. - The Future of Heavy-Duty Trucking

Begin Wednesday's heavy-duty track with a discussion among leading truck and engine manufacturers about their long-term vision for commercial vehicles. Hear how advanced clean diesel technology, and an array of other advanced technology and fuel options, will continue to play an important role in the market given the continued focus on cost-effective investments, increased vehicle efficiency and improved environmental performance. This session will not only provide insight into the complexity of multiple customer and regulatory priorities facing OEMs, but will also explore opportunities for cost reductions throughout the sector via the harmonization of state, national, and European regulations for emission control and truck automation technologies. In addition to an update and overview on the existing patchwork of regulation governing autonomous truck technologies, key emission regulations to be covered include: US EPA 2010 emissions; EPA/DOT NHTSA's Phase 1 and 2 Greenhouse Gas and Fuel Efficiency Standards; Euro VI; and federal and state level efforts to develop an Ultra-Low NOx Heavy-Duty Emission Standard. For any fleet interested in long-term strategic planning, you will not want to miss the Fleet Owner-moderated session.

MODERATOR: **Jim Mele**, Editor-in-Chief, Fleet Owner

- **Kary Schaefer**, General Manager, Marketing and Strategy, Daimler Trucks North America
- **Steve Gilligan**, Vice President, Product and Vocational Marketing, North American Business Unit, Navistar
- **Brian Lindgren**, Research & Development Director, Kenworth Truck Company
- **Jonathan Randall**, Senior Vice President, North American Sales, Mack Trucks
- **Bill Kahn**, Principal Engineer & Engineering Manager of Advanced Concepts, Peterbilt Motors Company

9:45 a.m. - Focusing Freight on Efficiency

Building on the opening session, this panel will provide insight into the approaches fleets are taking on planning and procurement of technologies that will continue to drive fuel efficiency improvement. The future of EPA's SmartWay Program, Phase 2 GHG rule and results from the DOE SuperTruck I and II programs will be a core focus here, together with fleet reporting and customer engagement on sustainability and carbon emissions. The discussion will provide perspective on how these ongoing efforts then connect to the longer-term evolution to truck platooning, automation and potentially driverless trucks. Higher truck costs; increased vertical integration of truck, engine, and powertrain components; and fewer options from OEMs are expected – but so too are increased fuel cost savings and GHG emission reductions. With implementation of the EPA Phase 2 trailer standards set to take effect in 2018, and the truck and engines standards in 2021, hear from industry leaders about what this all means when it comes to future equipment costs, options, operational savings, meeting near and long term sustainability goals, and increased customer engagement.

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

- **Andrew Cullen**, Senior Vice President, Fuels & Facility Services, Penske Truck Leasing
- **Elizabeth Fretheim**, Director, Sustainability, Walmart
- **Steve Larsen**, Director of Procurement and Fuel, Ruan Transport Corporation

9:30 a.m. - 10:45 a.m.

BREAKOUT SESSION 2.1 Incorporating New Mobility in Transportation



With an aging population, increased traffic congestion, shifting housing patterns, and the multitude of mobility options that exist, transit and municipal agencies are faced with the growing challenge of providing transportation services in the most efficient and effective way possible. Hear from industry leaders from around the US that have developed innovative approaches in adopting alternative fuels, incorporating ridesharing into their services, and connecting users with other mobility options that improve the efficiency of the transportation system.

MODERATOR: **Sam Spofforth**, Executive Director, Clean Fuels Ohio

- **Jim Burrell**, Assistant Vice President, American Honda Motor Co., Inc.
The Evolution of Fleet Mobility
- **Francie Stefan**, Mobility Manager, Planning & Community Development, City of Santa Monica
More Connections for Improved Mobility in Urban Environments
- **Creighton Randall**, Program and Development Director, Shared Use Mobility Center
Improving Mobility Access With ZEV Sharing
- **Zach Henkin**, Program Director, Drive Oregon
Electric Vehicles and Transportation in Underserved Communities

9:30 a.m. - 10:45 a.m.

BREAKOUT SESSION 2.2 Choosing the Right Light- & Medium-Duty AFV for Your Fleet



Fleets looking to save on fuel costs while increasing fleet and environmental performance continue to turn to alternative fuels and advanced technologies. However, with a seemingly overwhelming number of new fuel and technology options available, how does one choose which is best for their fleet? This overview of key considerations will include those dictated by various operational profiles, refueling characteristics, timing and routing, and the availability of fuels and incentives in the immediate area, among others. Hear from OEMs on current product offerings and from fleet managers on the decision-making process that determined which technologies offered the greatest advantage for their unique operations, and how these lessons learned can be leveraged and applied to your own fleet.

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

- **Bob Myers**, Division Chief of Equipment, California Department of Transportation
- **Gary Maresca**, Senior Director of Fleet Services, Bimbo Bakeries USA
- **Clint Marsh**, Team Lead, Fleet Design, Sempra Utilities
- **Darryl Syler**, Fleet Manager, City of Dublin, Ohio

11:00 a.m. - 12:15 p.m.

BREAKOUT SESSION 3.1 Building the Future: Advanced Clean Transportation Infrastructure



With the transportation sector evolving more rapidly than ever before, the supporting infrastructure must evolve to meet these growing, ever-changing needs. From natural gas refueling facilities and renewable natural gas pipeline interconnects to high volume hydrogen stations and heavy-duty vehicle charging stations, new and innovative approaches to fueling are essential to meet the needs of the vehicles of today and to prepare for the advanced transportation strategies of tomorrow. Hear from infrastructure/fuel providers and fleets leading the charge on infrastructure development for alternative fuel vehicles and advanced clean transportation technologies.

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

- **Lisa Alexander**, Customer Solutions and Communications, SoCal Gas
Tools for Developers – How to Work with the Natural Gas Utility on Pipeline Injection for Renewable Natural Gas
- **Bill Zobel**, General Manager, Business Development & Marketing, Trillium CNG
Infrastructure Development Using Public-Private-Partnerships
- **Laura Renger**, Principal Manager, Air & Climate, Regulatory Affairs, Southern California Edison
Transportation Electrification: Reducing Emissions, Driving Innovation
- **Joy Alafia**, President and CEO, Western Propane Gas Association
The Path for Renewable Propane and Integration for Fleets

11:00 a.m. - 12:15 p.m.	BREAKOUT SESSION 3.2 Platooning for Increased Cost Savings and Safety 	<p>With two-truck driver-assistive platooning systems slated for commercial release in 2017, this fuel and emissions savings technology can provide a clear return on investment. These systems can also provide the financial justification to add safety and collision mitigation systems to a truck, and can also lead to higher levels of truck automation in the future. This session will provide a comprehensive update on the latest platooning technologies being tested and made available to the market, together with an overview of the latest regulatory considerations at the state and federal levels. In addition, this session will provide an overview of the evolution in trucking from increased efficiency and safety technologies, to platooning and driver-assist technologies, and ultimately to more complete automation and potentially driverless trucks. Speakers will outline the details and timelines for the different phases in this evolution, and the expected economic ROI for each phase.</p> <p>MODERATOR: Neil Abt, Senior Editor, Fleet Owner</p> <ul style="list-style-type: none"> • Rick Mihelic, NACFE Aerodynamics Program Manager, North American Council for Freight Efficiency <i>Industry Insights on Platooning and Automation</i> • Michael Lammert, Senior Fleet Test and Evaluation Engineer, National Renewable Energy Laboratory <i>Class 8 Tractor Trailer Platooning: Effects, Impacts, and Improvements (presenting the latest SAE paper)</i> • Steve Boyd, Co-Founder and Vice President External Affairs, Peloton <i>Improving Safety & Fuel Efficiency with Platooning</i> • Tim Smith, General Manager of Business Strategy and Planning, Navistar International Corporation <i>The Path to Autonomous Trucks: Safety, Fuel Savings, and Adapting to Driverless Technologies</i>
11:00 a.m. - 11:15 p.m.	GENERAL SESSION Urban Mobility Keynote 	<ul style="list-style-type: none"> • Michael Backstrom, Managing Director of Energy and Environmental Policy, Southern California Edison <i>Urban Mobility: The Need for Technological Transformation</i>
11:15 a.m. - 12:45 p.m.	GENERAL SESSION The Path to Sustainable Transportation in Urban Mobility 	<p>Gain a glimpse into the future from leading light- and medium-duty OEMs that are integrating and preparing for new, innovative, and disruptive technologies. These new trends-such as automated and connected vehicles, powertrain improvements, and advanced emission controls-will dramatically advance sustainable transportation in the urban landscape. This session will highlight advanced clean transportation product offerings that are revolutionizing the way people and goods are moved in the urban environment, improving the user experience and air quality at the neighborhood level and beyond.</p> <p>MODERATOR: Jordan Davis, Director, Smart Cities Strategy and Collaboration, The Columbus Partnership</p> <ul style="list-style-type: none"> • Clay Siegert, Chief Operating Officer, XL Hybrids <i>Delivering Cost-Effective Solutions that Enable Commercial and Municipal Fleets to Quickly and Efficiently Reduce Transportation Fuel Consumption</i> • Steve Kosowski, Manager, Long Range Strategy & Planning, Kia Motors America <i>Pursuing Clean Vehicles with Design, Utility, and Efficiency</i> • Stephen Ellis, Manager, Fuel Cell Vehicle Marketing, American Honda Motor Co., Inc. <i>Transforming Urban Mobility with Powertrain Optionality</i> • Jon Coleman, Director, City Solutions, Ford Smart Mobility <i>Reimagining Fleet Mobility in Cities</i>
12:15 p.m. - 2:45 p.m.	Lunch in the Expo Hall	Note: The Expo Hall will remain open during afternoon sessions.
12:15 p.m. - 6:00 p.m.	Expo Hall Open	

2:45 p.m. - 4:00 p.m.

BREAKOUT SESSION 4.1 State of Charge: EVSE and Energy Storage



With exciting new technologies emerging, abundant fuel cost savings, and promising environmental benefits, the transportation sector is rapidly electrifying. However, battery range, power, and rate of charge are all still cited concerns for many fleets considering EVs. As fleets continue to convert a larger portion of their vehicles to electric, innovative strategies are needed to reduce and balance grid impacts to avoid scenarios like demand charges on electric bills. Hear from EVSE providers, OEMs, and fleets on the energy storage and demand response technologies available to address these hurdles and provide transformative technologies to advance the electric vehicle market.

MODERATOR: **Tim Echols**, Commissioner, Georgia Public Service Commission

- **Erin Galiger**, Project Manager, Electric Vehicle Charging Infrastructure, ABB, Inc.
High-Power Charging for Medium- and Heavy-Duty Commercial Fleet Vehicles
- **John Boodhansingh**, Senior Director Product Management, Qualcomm Technologies, Inc.
Inductive Charging: The Wireless Future of EVSEs
- **Phillip Kobernick**, Sustainability Project Manager, County of Alameda, General Services Agency
Large-Scale Diesel Displacement: Integrating Dozens of EVs into the County Fleet
- **Charlie Allcock**, Director, Business Development, Portland General Electric
Utility Insights: Demand Charges, Utility Bills, and Achieving Economies of Scale for EVs

2:45 p.m. - 4:00 p.m.

BREAKOUT SESSION 4.2 Transcending Traditional Trends in Transit



Transit fleets are one of the best candidates for deployment of alternative fuel vehicles. Their repetitive routes, frequent stops, and high fuel consumption mean there is tremendous opportunity for significant efficiency increases, environmental improvement, and diesel displacement. Recent developments have seen significant penetration of full battery electric and hydrogen fuel cell technologies in a growing number of transit operations alongside the more traditional natural gas and propane options. Hear from leading transit fleet managers utilizing a broad range of fuel types as well as equipment and service providers to get an inside look into the future of public transit.

MODERATOR: **Russ Scaramastra**, Vice President, Strategic Initiatives, Penske

- **Thaddeus Kledzik**, Transportation Operations Supervisor, Pasco County Florida Schools
Finding Success in School Through Propane
- **Peter Melin**, Director Zero-emissions Technologies, King County Metro
North America's Largest Heavy-Duty Electrification Project to Date – Deploying 120 Battery Electric Buses
- **Matthew Brown**, Associate Director of Operations, Parking & Transportation Services, Stanford University
Operating One of the Nation's Largest Battery Electric Shuttle Fleets
- **Kirt Conrad**, Executive Director/CEO, Stark Area Regional Transit Authority
Pioneering Change in Transit: Deploying 10 Hydrogen Fuel Cell Buses



ACCESS SPEAKER BIOGRAPHIES IN THE
ACT Expo 2017 Mobile App

2:45 p.m. - 4:00 p.m.

BREAKOUT SESSION 4.3 Forsaking Fossil Fuels: Incorporating Renewables into Your Fleet



From electricity to diesel, the path to zero and near zero emissions is becoming a cost-competitive reality with an increasing number of opportunities available to easily drop these renewables into existing operations. Technology and fuel solution providers are rapidly developing systems to capture the energy from renewable sources and turn it into the cleanest, domestically produced fuels on the market, paving the way for an efficient and energy secure future. This session will highlight companies and projects that are making the seemingly futuristic leap to these next generation fuels, including a discussion on the implementation challenges, the regulations and policies encouraging this revolution, and the economic environment that will be required for this trend to take hold.

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

- **Justin Webb**, Fleet Manager, Daylight Transport
Harnessing Renewable Electricity to Fuel A Fleet of Electric Trucks
- **Alia Khouri**, Director, Fleet Operations Department, City of San Diego
Largest Municipal Fleet in the Nation to Switch to Renewable Diesel
- **Jeremy Baines**, Vice President Sales North America, Neste US, Inc.
Fleet Opportunities for Biopropane & Renewable Diesel
- **Harrison Clay**, Vice President, Strategic Development, Global Environmental Products, BP
Renewable Natural Gas Is a Big Deal These Days

2:45 p.m. - 4:00 p.m.

BREAKOUT SESSION 4.4 A Brave New World: Autonomous Transportation and Innovative Delivery Concepts



Drones, the sharing economy, advanced telematics, and autonomous technologies are all transforming the traditional delivery landscape-a process that will certainly continue to charge ahead into the future. These strategies effectively consolidate and alter the supply chain landscape, resulting in increased productivity and reductions in the time it takes goods to reach the consumer. This evolution opens the door to significant opportunity for emission reductions and increased efficiency; however, ensuring that this potential is reached requires strategic planning and cooperation. Additionally, considerable questions remain when it comes to commercial availability, application and use, and the regulatory landscape for these technologies. Hear from industry leaders on this panel as we explore how far along the goods movement industry has come in putting these technologies to use and what barriers and challenges remain. See and hear where these technologies are already in everyday use and which applications are poised for automation in 2017 and beyond.

MODERATOR: **Jerry Hirsch**, Editor, Trucks.com

- **Mike Roeth**, Executive Director, North American Council for Freight Efficiency
Identifying the Distinct Phase of a Transition to Truck Automation and the Expected ROI of Each Phase
- **Alain Kornhauser**, Director, Transportation Program, Princeton University
An Overview of the Current and Future Landscape for Heavy-Duty Vehicle Automation
- **Tony Brasil**, Branch Chief, Heavy Duty Diesel Implementation Branch, California Air Resources Board
Accelerating the Market for Heavy-Duty Zero Emission Trucks in California
- **Duane Hughes**, President, Workhorse Group Inc.
North America's First Deliveries by Drone

4:00 p.m. - 6:00 p.m.

Reception in the Expo Hall

8:30 a.m. - 12:00 noon

WORKSHOPS & FORUMS

Ultra Clean Heavy-Duty Vehicle Summit

The heavy-duty vehicle sector is at the dawn of a new era-one characterized by an array of zero emission technology. From full battery electric trucks, buses, and other equipment to hydrogen fuel cell trucks that can travel 1,200 miles, what will the future look like? Not to be left behind, ultra-low emission heavy-duty natural gas and propane autogas engines are here today, and many believe we will see diesel engines fight back in the coming years. Local, state, and federal regulators have noticed these advancements and are charging ahead with low-NOx rulemaking efforts at the national level and in California. Meanwhile, leading progressive fleets are making big investments in these zero and near zero emission technologies which, when combined with renewable fuels, can provide a heavy-duty vehicle platform that has virtually no emissions. Find out first-hand how the heavy-duty sector is poised to do a 180 and go from the largest source of regional criteria emissions and greenhouse gas emissions to a sector that contributes almost no harmful air emissions. Hear from leading stakeholders on these fast-paced developments in the market so that you understand what is real, what is happening, and when these products will be required and available.

8:30 a.m. - Regulatory Landscape

- **William Robertson**, Vehicle Program Specialist, Mobile Source Control Division, California Air Resources Board

9:00 a.m. - Electric Drive Panel

- **Andy Swanton**, Vice President of Truck Sales, BYD
Battery Electric Heavy-Duty Vehicles for the Commercial Vehicle Market
- **Tim Reeser**, Chief Executive Officer & Co-founder, Lightning Hybrids
Zero Battery Low Emissions Heavy-Duty Hybrids
- **Abas Goodarzi**, President and Chief Executive Officer, US Hybrid Corporation
Battery and Fuel Cell Electric Trucks for MD & HD Commercial Transportation
- **Michael Simon**, President & Chief Executive Officer, TransPower
Battery Electric Trucks for Heavy-Duty Commercial Transportation

10:05 a.m. - Gaseous Fuels Panel

- **Todd Sloan**, Senior Vice President, Innovation and Global Business Development, Agility Fuel Solutions
HD Trucks - How to Make the Largest Impact to Air Quality and ROI
- **Luke Cruff**, Vice President, Engine Controls & Fuel Systems, EControls
Optimizing Efficiency of Natural Gas Systems
- **Jose Castaneda**, Business Development, Cummins Westport Inc.
Near Zero Emission Natural Gas Engine Technologies for MD & HD Applications
- **Todd Mouw**, Vice President of Sales and Marketing, ROUSH CleanTech
Near Zero Emission Propane Autogas Engines

11:05 a.m. - Roundtable Discussion: Maximizing Deployment of Ultra Low Emission Technologies in the Heavy-Duty Sector

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9:00 a.m. - 10:15 a.m.

WORKSHOPS & FORUMS

Choosing AFVs in First Response Operations

Presented by



National Alternative Fuels
Training Consortium
A Program of
West Virginia University

Whether first responder fleets already have alternative fuel vehicles in their vehicle pool or are considering it, the vehicle and fueling options available have changed substantially over the past few years. This has left questions about the options available through an OEM versus a vehicle modifier, costs, range, and user experience from other fleets. ACT Expo is joining forces with first responder expert NAFTC to discuss the options that are available to first responder fleets so as a fleet, you can be prepared to make a decision on the transition to alternative fuel vehicles for your motorcycles, fire trucks, police vehicles, and more.

MODERATOR: **Bill Davis**, Director, National Alternative Fuels Training Consortium (NAFTC)

- **Andrea Pratt**, Green Fleet & Fuel Program Manager, City of Seattle
Leading Adoption of AFVs for First Responder Applications
- **Daniel Bowerson**, Director of Technology & Development, NGV America
Natural Gas Vehicles in First Responder Operations
- **Linda Bluestein**, National Clean Cities Co-Director, US Department of Energy
AFVs for Resilience and Emergencies: A Project Overview
- **Michael Taylor**, Director of Autogas Business Development
Choosing Propane Vehicles in Emergency Situations

9:00 a.m. - 4:30 p.m.

WORKSHOPS & FORUMS

CalETC Annual Member Meeting**

Hosted by



**By invitation only.

9:00 a.m. - 12:00 noon

WORKSHOPS & FORUMS

Advanced Transportation Center of Southern California Executive Council Meeting**

Hosted by



The Advanced Transportation Center of Southern California will host their annual Executive Council Meeting at ACT expo. Representatives from the advanced transportation industry, utilities, local governments, transit agencies, and regional organizations will discuss the how to grow the deployment of advanced transportation technologies in the Southern California region. The e4 | Advanced Transportation Center of Southern California was established in 2014 and designated by the California Energy Commission to serve the counties of Santa Barbara, Ventura, Los Angeles, Orange, San Diego, Imperial, Riverside, and San Bernardino where it provides a one-stop-shop to grow and facilitate advanced transportation activities within the region. The Center is managed by the Los Angeles County Economic Development Corporation (LAEDC)—Southern California's leading economic development 501(c)(3) organization which is committed to raise standards of living for the residents of Southern California, by increasing economic opportunity and regional prosperity.

**By invitation only.

10:30 a.m. - 11:45 a.m.

WORKSHOPS & FORUMS

The Total AFV Training Requirement

Presented by



National Alternative Fuels
Training Consortium
A Program of
West Virginia University

AFV consumers know that technicians, fleet managers, and operators need to be trained on the technology of the vehicles, but there are so many additional audiences that must be trained. The NAFTC will provide information in this session about the training needs for first responders (firefighters, law enforcement, and EMS personnel), second responders (automotive recycling and towing and roadside assistance personnel), and collision repair technicians, that also may be involved in the total AFV life cycle.

12:00 noon - 3:00 p.m.

WORKSHOPS & FORUMS

Funding Workshop: Updates on the VW Settlement Funds and How to Access These and Other Grants and Incentives

12:00 noon - VW Settlement Funds

More than \$4.7 billion will be distributed from the Volkswagen Consent Decree settlement to fund advanced clean transportation technology purchases, fueling infrastructure, and market acceleration activities. Up to \$2.0 billion of these funds will be used to improve ZEV infrastructure and access to ZEVs, and for ZEV education, while the other \$2.7 billion will be spent on emission-cutting and a variety of low-emission and alternative fuel vehicle deployment projects. Compared to the \$300 million that was made available via the Recovery and Reinvestment Act of 2009 (ARRA) in both the US DOE Clean Cities Program and US EPA DERA Program, this VW funding presents an unprecedented opportunity for the growth. Money from the VW settlement will be distributed at the state level by designated "Beneficiaries." Details on who these Beneficiaries will be and how the money will be spent at the state level will begin to emerge in May 2017, right at the time of the ACT Expo conference. With VW monies expected to flow in late 2017, you will not want to miss this important session.

- **Cassie Powers**, Senior Program Director, National Association of State Energy Officials (NASEO)
The Role of States in the VW Settlement
- **Joe Annotti**, Senior Project Manager, Gladstein, Neandross & Associates
Program Status and Key State Summary

1:30 p.m. - Accessing Other Incentives for AFVs

The final panel of this in-depth funding workshop will also provide detail how the \$4.7 billion available from the VW settlement pales in comparison to the other funding programs already available throughout North America at the local, state, and federal levels, including being able to access carbon credits to fund your low carbon fuel project. Funding experts will be on hand to show how the VW money is "small potatoes" compared to these existing programs, and to provide guidance and answer your questions about how to leverage all of these lucrative opportunities.

MODERATOR: **Kellie Walsh**, Executive Director, Greater Indiana Clean Cities

- **Robert Langford**, Manager, Plug-in Electric Vehicle Sales, American Honda Motor Co., Inc.
Accelerating BEV and FCEV deployment with Funding Opportunities
- **Joe Annotti**, Senior Associate, Gladstein, Neandross & Associates
Incentives Carbon Credits for Advanced Technology and Alternative Fuels, and What Makes a Good Funding Program
- **Sean Turner**, Chief Operating Officer, Gladstein, Neandross & Associates
How to Access Carbon Credits: A Deep Dive into RINs and LCFS
- **Michael Cline**, Vice-President, Muncie Indiana Board of Sanitary District Commissioners
Using Performance Contracts for CNG Fueling Facilities and Municipal Vehicle Conversions

1:00 p.m. - 3:00 p.m.

Tours

Presented by



1:00 p.m. - Tour C: Long Beach Container Terminal

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. While there is a lot of talk of heavy-duty vehicle automation, LBCT has more than 60 battery electric units running in every day service. Visit this incredible project, and also see how these units autonomously change their own battery packs!



**Long Beach
Container
Terminal**

3:00 p.m. - 4:30 p.m.

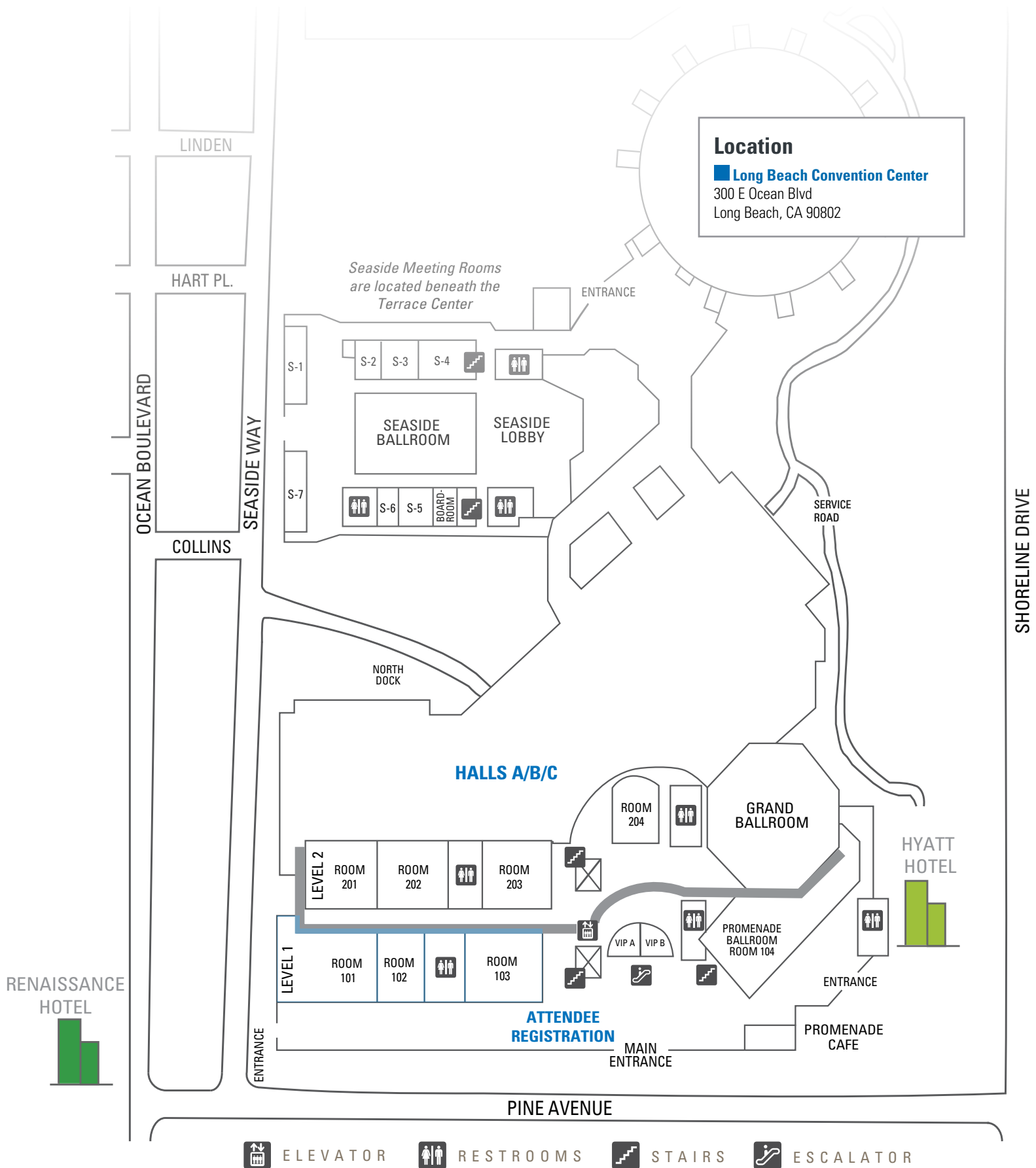
WORKSHOPS & FORUMS

Accelerating Electrification Through Municipal Demand Aggregation – Part 2**

At ACT Expo 2016, the City of Los Angeles led a large discussion with fleets around the nation and OEMs across all weight classes—from refuse to buses to trucks to passenger vehicles—to see what cities could do to accelerate EV deployment. From this meeting, the City of LA joined in an EV RFI in partnership with Seattle, Portland and San Francisco to pool the collective demand of these major West Coast Cities in the EV industry—this RFI was released in January 2017. Following on the heels of this meeting, Los Angeles invites government agencies and OEMs to join in on a follow-up discussion of what we can do to improve procurement processes and drive BEV adoption as well as the introduction of new vehicles for fleet purchases.

**By invitation only; to receive more information, contact Joanne.Golden@gladstein.org.

Long Beach Convention Center



SAVE THE DATES



April 30 – May 3, 2018
Long Beach Convention Center

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