The 2017 Advanced Clean Transportation (ACT) Expo, held in partnership with Penton Trucking (the publishers of Fleet Owner magazine), brought together thousands of clean transportation stakeholders from across the globe for a week of fleet-to-fleet learning, dynamic discussions, real-world tours, a massive expo, and a slew of exciting and diverse product debuts (highlighted on the following pages).

At the top of many attendees’ minds was the question of how the landscape for clean fuel technologies and infrastructure will shift with the new administration in the White House. To help kick off the conference, progressive policymakers representing both liberal and conservative states participated on an engaging panel and shared how they are continuing to push the envelope to clean up emissions and modernize goods and people movement.

To dive deeper into market momentum in these key areas, ACT Expo offered two core agenda tracks. The Urban Mobility track highlighted the radical transformations taking place in cities across the world to address an aging population, increased traffic congestion, and shifting housing patterns. The Medium- & Heavy-Duty Commercial Vehicle track shed light on the incredible technological advancements driving the future of goods movement, as well as the impact that current and upcoming regulations for efficiency improvements, emission control, platooning and truck automation technologies will have on fleet procurement options and costs.

The jam-packed expo hall demonstrated a clear theme— incredible innovation and growth is continuing across all corners of the advanced transportation and clean energy market. Attendees had hands-on access to a diverse range of clean fuel vehicles spanning all weight classes and applications—including refuse trucks, class-8 tractors, passenger sedans, transit buses (including a double decker bus!), a concrete mixer truck, school buses, yard hostlers, forklifts, street sweepers, pickup trucks, step vans, and passenger shuttles—as well as engines, tanks, 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.

We invite you to save the dates for next year! Set for April 30 to May 3, ACT Expo 2018 will return to the Long Beach Convention Center in Southern California.
2017 Major Sponsors & Supporters

ACT Expo 2017 would not have been possible without the support of the following organizations:

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Media Partners

ACT Expo was presented in partnership with Penton Trucking and its transportation-focused media outlets: Fleet Owner, American Trucker, Bulk Transporter, Refrigerated Transporter, Trailer Body Builders, and WardsAuto. This partnership signified the importance of fleet sustainability across all vehicle weight classes and fuel types.
Product Debuts and Announcements

American Honda held a West Coast debut of their Clarity model line, including the Clarity fuel cell, the Clarity electric and the Clarity plug-in hybrid.

Transpower and Kalmar USA announced that they will enter into a 5-year supply agreement and showcase the first joint-effort zero emission, battery-electric version of Kalmar’s Ottawa T2 terminal tractor.

UPS unveiled the first extended range fuel cell electric class-6 delivery vehicle developed in partnership with U.S. Department of Energy (DOE) that will begin street testing later this year.

US Hybrid announced China fuel cell joint venture with Dewei to expand production of PEM fuel cell engines and unveiled a class-8 fuel cell port drayage truck for San Pedro ports.

Lightning Hybrids announced that they renamed company Lightning Systems and the rollout of new lineup of fleet efficiency products, including new vehicle analytics system.

The Coalition for Renewable Natural Gas (RNG Coalition) and the California Natural Gas Vehicle Coalition (CNGVC) released a new study that shows renewable natural gas in transportation can create up to 130,000 jobs and generate nearly $14 billion in economic benefits for California.

Kenworth showcased their T880S mixer with IELG Near Zero Engine in partnership with CalPortland and McNeilus.

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PG&E unveiled its new plug-in electric hybrid class-6 truck that features exportable power capacity of up to 160kW that can power up to 125 homes.

Kenworth announced a prototype class-8 hydrogen fuel cell tractor, further advancing low- and zero-emission prototype projects on T680 day cab drayage trucks for Southern California.

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Cummins Westport Inc. announced its model year 2018 dedicated natural gas engines for regional haul truck, vocational and transit, school bus, and refuse applications.

The North American Council For Freight Efficiency (NACFE) and Carbon War Room’s (CWR’s) Trucking Efficiency operation announced that their Run On Less campaign, a first-of-its-kind cross-country roadshow to showcase advancements in fuel efficiency, has partnered with Geotab, a leading telematics provider.

Members of the California Natural Gas Vehicle Coalition (CNGVC) issued a statement urging the San Pedro Bay Ports to develop and implement an aggressive Clean Truck Program as part of the updated 2017 Clean Air Action Plan (CAAP).

Kraus Global Introduced Optima, the next generation of CNG fueling dispensers that enables enhanced station control and performance via its unmatched data and communication capabilities.

BSR launched the sustainable fuel buyers’ principles with some of the world’s largest fleets to accelerate the transition to low-carbon fuel and related technologies.

Agility announced that they have shipped their first production Blue IQ units and are expanding product offering to all fleet types.

Commins Westport Inc. announced its model year 2018 dedicated natural gas engines for regional haul truck, vocational and transit, school bus, and refuse applications.

Agility launched new powertrain systems business unit to focus on global propane commercial vehicle market.

Memorandums of Understanding (MoUs) for the development and manufacturing of adsorbent natural gas cylinders for natural gas vehicles.

The California Air Resources Board (CARB) held a press conference to announce that the State has surpassed the $500 million mark for investments in zero-emission vehicles.

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Quantum announced it will be manufacturing a new compressed natural gas (CNG) fuel module—the Q-Cab60 that provides up to 60 DGE and is the lightest tank in the industry.

Endress+Hauser introduced their one-inch CHGmass DM625 Flowmeter that improves efficiency of shale gas tube trailer loading.

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Agility announced that they have entered into an exclusive agreement with Catalina Composites to develop, design, and manufacture absorbent natural gas cylinders for natural gas vehicles.

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Quantum announced that its virtual pipeline trailers for CNG will have expanded gas transportation capabilities including biogas, hydrogen and flare gas in 2018 and launched a new 20-foot gas storage container.

CSA Group launched a new compressed natural gas and fuel system inspection training that helps inspectors stay safe and grow their skills.

Agility showcased their latest advancements in battery-electric buses, trucks, and material handling equipment.

BYD showcased their latest advancements in battery-electric buses, trucks, and material handling equipment.

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ACT Expo received coverage from dozens of news outlets, including:

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- Media Coverage Exhibitors

Exhibitors

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“ACT Expo is very important for us to attend, because all of the suppliers are here—station developers, manufacturers of tanks, trucks, fuel systems... everything.”

Mark Matheson
President & CEO
Matheson Companies

“ACT Expo gives us the opportunity to network and stay abreast of the latest innovations across all alternative fuels.”

Gary Maresca
Senior Director of Fleet Services
Bimbo Bakeries USA
Advanced Clean Technology Display Vehicles

- 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 Lithium Ion Forklift
- Cenergy Solutions Ford F-150 CNG Pickup with Adsorbent NG Technology
- Cummins Westport 2019 Ultra Low NOx Natural Gas Engines
- Creative Bus Sales All-Electric Ford F-59 Chassis
- Cummins Westport 2019 Ultra Low NOx Natural Gas Engines
- EControls Fuel Systems Freightliner Cascadia Class 8 Tractor with Trailer
- Effencia Hybrid Electric Yard Truck with Active Start/Stop Technology
- Effencia Hybrid Electric Yard Truck with Active Start/Stop Technology
- Freightliner Cascadia Class 8 Tractor fueled by Redem RNG from Clean Energy Fuels
- Freightliner Cascadia Sleeper Class 8 Tractor
- Freightliner Custom Chassis - Propane Autogas S2G Chassis
- Freightliner LNG Cascadia Sleeper Class 8 Tractor
- GreenPower Bus All-Electric Double-Decker Bus
- TransPower Kalmar All-Electric T2 Yard Tractor
- US Hybrid All-Electric Class 8 Tractor
- US Hybrid Fuel Cell Class 8 Tractor
- US Hybrid Plug-In Hybrid-Electric Class 6 Truck
- US Hybrid Plug-In Hybrid-Electric/LNG Class 8 Tractor
- Workhorse Trucks All-Electric W-15 Pickup
- Workhorse Trucks All-Electric W-15 Pickup
- Zenith Motors All-Electric Shuttle Bus

- Honda Plug-In Hybrid Electric Clarity
- Hyundai Tucson Fuel Cell Crossover Utility Vehicle
- Icom Propane Direct Injection Ford Explorer
- Kenworth T880S CNG Mixer Truck with ISL-G NZ Engine
- Kia All-Electric Soul Crossover
- Kia Hybrid Electric Niro Crossover
- Kia Hybrid Electric Optima
- National Biodiesel Board - Ford F-250 Super Duty Biodiesel Crew Cab Pickup
- Nissan Versa Note All-Electric
- Nissan Versa Note All-Electric
- PG&E Plug-In Hybrid Electric Class 6 Truck w/CWI 9-Liter NZ Engine
- Phoenix Motorcars All-Electric ZEUS Shuttle Bus
- Toyota Fuel Cell Mirai
- TransPower Kalmar All-Electric T2 Yard Tractor
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- Workhorse Trucks All-Electric W-15 Pickup
- Zenith Motors All-Electric Shuttle Bus
Who Attended ACT Expo 2017?

Geographic Representation of Attendees

93% United States Attendees

7% International Attendees
Highest levels of representation: Canada, Mexico, China, New Zealand, South Korea, Germany, Argentina, United Kingdom, Australia, Netherlands, Chile, Russian Federation, Brazil, Switzerland, Philippines, Turkey, North Korea, Nigeria, South Africa, Italy, and Japan

Sampling of Titles of Registered Attendees

ACT Expo brought together a broad mix of fleet decision makers, including:

- Assistant Director, Fleet Operations
- Chief Executive Officer
- Chief Fleet Officer, Deputy Commissioner
- Chief Operating Officer
- Clean Cities Task Leader
- Climate Policy Analyst
- Compliance Program Manager
- Director, Alternative Fuels Program
- Director of Advanced Automotive Transportation Center
- Director of Equipment Purchasing
- Director of Government Affairs
- Director of Fleet Services
- Director of Fleet, Facility, and Maintenance
- Director of Transportation & Energy Planning
- Director of Vehicle Supply Management
- Executive Director, Citywide Sustainability
- Facilities Manager
- Executive Director, Citywide Sustainability
- Director of Vehicle Supply Management
- Director of Transportation & Energy Planning
- Director of Fleet, Facility, and Maintenance
- Director of Government Affairs
- Director of Equipment Purchasing
- President, Alternative Fuels Program
- Senior Engineer, Transportation Energy
- Senior Regulatory Counsel
- Senior Vice President
- Senior VP of Engineering Services
- Senior VP of Maintenance
- Sustainable Fleet Specialist
- Transportation Program Director
- Transportation Manager
- Vehicle Fleet/Equipment Control
- Vehicle Supply Management
- Fleet Supervisor
- Fleet Manager
- Fleet Services Bureau, Manager of Acquisitions
- Fleet Management Technician
- Maintenance Director
- Manager, Logistics
- Manager, Vehicle Acquisitions
- Manager - Environmental Services
- North American Fleet Asset Manager
- North American Logistics & Fleet Purchasing
- North American Transportation Manager
- Operations Manager
- President, Fleet Services Department
- Senior Automotive Equipment Analyst
- Senior Engineer, Transportation Energy
- Senior Engineer, Transportation Energy
- Senior Vice President
- Senior Vice President
- Senior Vice President
- Senior Vice President
- Senior Vice President
- Senior VP of Maintenance
City of Santa Ana
City of Santa Clarita
City of Santa Fe Springs
City of Santa Monica
City of Seattle
City of South Pasadena
City of Thousand Oaks
City of Torrance
City of West Hollywood
City of Whittier
Coachworks Transit, Inc.
Colo-Rida Department of Transportation
Columbia Distributing
Consolidated Edition Company of NY
Consumer’s Energy Company
Costco Wholesale
County of Los Angeles
County of Marin
County of Orange
County of Riverside
County of San Bernadino
CP, Express, Inc.
C&P Waste & Recycling Services
Coyote Transportation LLC
Cutter Reaping, Inc.
D & P Transit Company
Daylight Transport
Dillon Transport
Disneyland Resort
DLG SPA
Duke Energy Business Services
Ed-Pop’s Livestock Transportation
Enterprise Fleet Management
Envirovantage
Equine Express
EVX, Inc.
Exide Activation
FedEx Freight
FedEx Ground
FedEx Services
Ford Chrysler Automobiles
First Energy Systems
Food Express Inc
Forest City Transit
Forest Preserve District, DuPage County
Frito-Lay, Inc.
General Motors Transport
General Services Administration
Georgia Public Service Commission
GGI Expresses, Inc.
Gonzalez Logistics, Inc
GPK
Green Rhino Logistics LLC
Group Enertechs
Harris Ranch
Hawaii Electric Light
Hawaii Logoistic Services
Hennepin Transportation Systems
Hermon Beach Police Department
Inland Empire Utilities Agency
Innovative Entrepreneurs, Inc.
ITM, Inc.
Jefferson County, Washington
J-W Power Company
Kimco Transportation Management
King City Metro
KV Trucks, Inc.
Lancaster County Solid Waste Management Authority
Long Beach Transit
LA County Department of Public Works
LA Metro
LA Department of Transportation
LA Police Department
LA Unified School District
Lanier County Board of Commissioners
Matheson TruClng
Maven Trans Group
Meyer USA
McNab TruClng
Metro Worldwide
Metropolitan Water District of SoCal
Milwaukee County DUT
Minuteman Transport, Inc.
Mohawk Electric US, Inc.
Monster Energy
Montebello Bus Lines
Monterey Bay Air Pollution Control District
Muncie Indiana Board of Sanitary
District
National Retail Systems
NapaValo Atlantic
Nebraska Public Power District
Nestle
New Jersey Natural Gas
NYC Department of Transportation
NYC Department of Sanitation
NYC Department of Transportation
NFI
Northeast-Southern Corporation
Norfolk Transit System
Orange County Sanitation
Orange County Transportation Authority
Pacific Gas & Electric Company
Palm Springs USD
PAR Electrical Contractors
Paso County Schools
Penrose Truck Leasing
PeppiGo
Peterson Bros Construction
Phoenix Cars
Polaris Fleet Services, Inc.
Proflight Airport Parking
Price Transfer, Inc
Pepco Sound Energy
Quality Transport / Truck Tail Handling
Republic Motor Lines, Inc.
Roadcenter
Ruan Transportation Management
Ryder System, Inc.
Saddle Creek Transportation
Salmon Companies
San Bernardino Valley College
San Diego Gas & Electric
San Diego Metropolitan Transit System
Seattle Public Utilities
Sema Energy
Sheeney Mail Contractors
Soft Oil Distributors
South Jersey Gas
Southern California Gas Company
Southern Transit, Inc.
Southwest Region Fleet Transportation
Stanford University, Parking & Transportation
Stark Area Regional Transit Authority
State of California Department of Transportation
Sunline Transit Agency
Super Shuttle
Texas Department of Transportation
Tooele Unified School District
Traffic Management
Trainspotting Tips
Tricon Transportation, Inc.
Trinity Ocean Logistics, Inc.
Universal Trucking
University of California, Los Angeles
UPS
US Foods
Van Dien Bros. Inc
Ventura County Fire Department
Walmart
Warmer Brothers Studies
Washington State Department of Enterprise Services
Werner Enterprises
Wesley & Oates, Inc.
Yale University

Fleets, Fleets, and More Fleets!

Hundreds of leading public and private fleet operators attended ACT Expo 2017, including:

- Actor, Cheetah 1 Express, California Linen Services, California Cartage Company, C&S Wholesale Grocers/ES3, Bryn Mawr College, Cal Poly, and many more.
- National Fleet Operators, including Albertsons, AmeriPride Services Inc., and Bimbo Bakeries.
- State and Local Governments, including AFLAC, AEG, and Cal Poly.
- Educational and Research Institutions, including CWRU, and Stanford University.

“ACT Expo has provided a great networking venue for our engineering and fleet departments. It’s given us the opportunity to connect with many like-minded people.”

Steve Lode, Vice President & General Manager, CalPortland Company

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**Keynote Speakers**

**Thom Shea**
Adamantine Alliance Chief Executive Officer Thom Shea provided the opening keynote address on Tuesday, May 2. Mr. Shea is a highly decorated US Navy SEAL, a distinguished author, and a renowned leadership and performance coach. His key message spoke to the importance of never giving up, keeping and honoring your word, facing fear, and pushing beyond your comfort zone. Mr. Shea shared first-hand accounts of his journey to becoming a Navy SEAL, culminating in a tour of duty in Afghanistan. Before leaving for combat, his wife encouraged him to write to his children from Afghanistan, in case he didn’t make it back home. These writings became the book “Unbreakable: A Navy SEAL’s Way of Life,” a powerful set of lessons for anyone striving to perform beyond what they might believe possible.

Mr. Shea gave his perspective on how Navy SEALs find ways to go into chaos and thrive. In life and business, the manner in which elite performers handle chaos and conflict is what gives them an edge over their competition. “Don’t fight chaos, learn to thrive in it, and you will win every time,” said Mr. Shea. In relating to the transportation industry, Mr. Shea told the audience “it may seem the technology is the most important element, but without people, nothing gets off the ground.” Mr. Shea finished by recognizing we are making a huge difference in the world with the transportation industry’s work in alternative fuels.

**Mike Casteele**
UPS Director of Fleet Procurement Mike Casteele provided a one-on-one ACT Talk titled, “Lessons Learned in Reaching 1 Billion Alt Fuel Miles and Expectations for the Next Billion” on Tuesday, May 2. Mr. Casteele highlighted UPS’s alternative fuel program which incorporates CNG, LNG, RNG, propane, ethanol, hydraulic-hybrid, electric-hybrid, and battery-electric technologies. In 2016, UPS achieved their goal of 1 billion alternative fuel miles one year early, a goal originally set for 2017. He noted that class-8 heavy-duty tractors have been critical to achieving their 1 billion mile goal, noting that these trucks can run 700 to 1,000 miles a day, making them significant contributors to alternative fuel use and emission reductions.

Mr. Casteele confirmed that UPS has invested more than $700 million in their alternative fuels program, with about 100% of this being contributed via grants, incentives and tax credits. The ROI on the high mileage heavy-duty tractors has been good, especially during periods of high diesel fuel prices; however, the ROI on UPS’s medium-duty platforms that run less mileage and burn less fuel has been more challenging. In spite of the ROI challenges, he stated that UPS continues to invest in alternative fuels across all platforms as part of their “rolling laboratory” approach. Mr. Casteele noted that while electric truck technology is working well and has tremendous potential, the infrastructure required to charge these trucks can be challenging as a typical UPS building has not been designed to handle such electrical load, particularly given the number of units run out of an average distribution facility.

Going forward, Mr. Casteele confirmed that UPS will continue to invest aggressively in heavy-duty natural gas and renewable natural gas fuel for these trucks, as well as electric truck technology. He concluded by praising the UPS drivers and large automotive team to making the company’s significant investments in alternative fuels the success it has been.

**Michael Backstrom**
Southern California Edison Managing Director of Energy and Environmental Policy Michael Backstrom provided a keynote address titled, “Urban Mobility: The Need for Technological Transformation,” on Wednesday, May 3. Mr. Backstrom highlighted the progress that has been made, but cited the definite need for continued change and emission reductions in the Los Angeles basin. Disadvantaged communities remain impacted by air pollution from the freight corridors emanating from the ports and moving across SCE’s territory. Mr. Backstrom explained the electric generation sector is a minor contributor to GHG emissions, compared to on-road motor vehicles, other mobile sources, and stationary sources. He noted the electric generation sector contributed roughly 20% to GHG emissions in 2014.

Mr. Backstrom was proud to share that SCE submitted an application to the PUC for its Transportation Electrification Proposal, which describes SCE’s vision for accelerating widespread transportation electrification (TE) to reduce GHG emissions. SCE proposes three pilots aimed at accelerating light-duty EV adoption, two projects to promote electrification at the Port of Long Beach, one project to accelerate electric transit bus adoption, one program to provide charging infrastructure for non-light-duty EVs, and one EV rate proposal to promote EV adoption.
Keynote Recognition and Perspectives from Transportation Trailblazers

ACT Expo 2017 honored several individuals whom have made incredible contributions to accelerate the growth of the advanced clean transportation technology sector, alternative fuel industry, and commercial transportation business overall. All are moving on to the next chapter in their lives, so this was the year to recognize them.

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

These trailblazers were commemorated with a short recognition ceremony, followed by a Q&A session to ask them about the growth they have seen in the industry, their proudest moments, and expectations for the future. They are all proud stewards of the planet, who cited collaboration and the willingness to take risks as important factors when taking on a leadership role.

The ACT Expo Fleet Awards are the ultimate recognition of fleet operators who show true leadership in sustainable transportation—having gone above and beyond what has been required to achieve sustainability in their transportation operations.

The 2017 ACT Expo Fleet Award Winners were:

In It for the Long Haul – Often pioneers in their respective fields, these organizations have demonstrated a “lifetime” commitment to sustainable transportation.
2017 Winner: Waste Management, Inc.

Leading Carrier – Organizations demonstrating a commitment to a sustainable supply chain.
2017 Winner: Saddle Creek Logistics Services

Transit & Mobility – Organizations demonstrating leadership in sustainable passenger transport, including buses, taxis, carsharing, and shuttles.
2017 Winner: North Kansas City School District

Leading Public Fleet – Government fleets demonstrating leadership in the procurement and deployment of alternative fuels and advanced vehicle technology.
2017 Winner: City of Los Angeles

Leading Private Fleet – Private-sector companies that have gone beyond requirements to green their fleet.
2017 Winner: Frito-Lay, Inc.

Leading Utility – Utilities leading the way in APVs.
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. Transformative policy 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. 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? The speakers on this panel addressed some of these concerns:

• Randy Frye, State Representative, District 67, Indiana State House of Representatives, relayed his positive experience working with then Governor Mike Pence in Indiana to pass legislation to increase natural gas vehicle use and CNG fueling infrastructure. He stressed the importance of working with elected officials, to ensure they are educated about the issues.

• Sandra Berg, Vice Chair, California Air Resources Board, reflected on the clean transportation progress made in California, citing the ground-breaking rules, partnerships and investments. She said the automobile companies are global, reiterating that today’s sustainability goals are global.

• Joe Cannon, President & Chief Executive Officer, Fuel Freedom Foundation, provided great insight into the current discussions and potential changes happening within US EPA, and the continued US market growth in the use of natural gas, ethanol, and other domestically produced fuels—all of which will be well aligned with the current Administration’s domestic energy and job goals. He stressed the unparalleled opportunity we now have to achieve energy independence while providing fuel diversity, and fuel choice and price competition at the pump.

• Matt Pietrokovski, Senior Reporter/Deputy Editor, The Fuse, reminded the audience of the uncertain and unpredictable nature of oil markets, particularly in the last two decades. He warned that while we are now seeing relatively stable pricing in the $50 per barrel range, production supply gaps and price spikes are predicted in the next few years given the tremendous uncertainties and questions that remain about North American shale oil on a going forward basis. Matt concluded by stressing the best way to mitigate risk and uncertainty from future petroleum fuel price spikes is to continue to invest and move to more stable domestic alternatives like electricity and natural gas—a point that was wholly embraced by the panel.

Urban Mobility Track

The Urban Fleet Mobility track had eight sessions that addressed increasingly sustainable and connected urban mobility; the challenges facing transit and municipal fleets; new trends revolutionizing the way people and goods are moved in the urban environment; the role of fleet vehicle operations in the Smart City; perspectives dictated by operational profiles, refueling characteristics, timing and routing; the electrification of the transportation sector, including fuel cell electric vehicles; and how transit fleets are one of the best candidates for alternative fuels with their repetitive routes, frequent stops, and high fuel consumption.

“The Policy Landscape for Advanced, Clean & Innovative Transportation”

ACT Expo helps us learn about the upcoming rules and regulations impacting the industry so that we’re prepared when the time comes.”

Marty Mitchell
Director of Fleet Maintenance
Athens Services

During ACT Expo 2017, attendees gained insight on the latest trends and technologies driving the future of fleet transportation. To address the needs of fleets of all sizes, across the entire transportation industry, this year ACT Expo organized two tracks for in-depth focus on technology advancements for the Medium- and Heavy-Duty Commercial Vehicle market and the Urban Fleet Mobility market. Attendees were able to select from the variety of keynotes, general sessions, workshops, forums and offsite tours that best suited their specific interests.

Medium- & Heavy-Duty Track

The Medium- and Heavy-Duty Commercial Vehicle track had eleven sessions that covered advancements in engine technologies including today’s heavy-duty near zero natural gas engines; the latest from leading OEMs; continued focus on cost-effective investments; increased vehicle efficiency and improved environmental performance; updates in ultra-efficient, platooning and automated trucks; the impacts of EPA’s GHG Phase 2 regulation as well as state regulations; details on the availability and cost of renewable diesel and other renewable fuels; advancements in clean transportation infrastructure; and hydrogen fuel cell vehicle efforts and heavy-duty fuel cell technologies.

“ACT Expo helps us learn about the upcoming rules and regulations impacting the industry so that we’re prepared when the time comes.”

Marty Mitchell
Director of Fleet Maintenance
Athens Services
Off-Site Technical Tours

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 saw an assortment of city vehicles, as well as its renewable fueling infrastructure, extensive maintenance shop, and fleet charging infrastructure.

Tour B: Experience American Honda

Attendees had the opportunity to visit 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 included 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 also saw the onsite solar-powered hydrogen fueling station and workplace chargers on the American Honda campus.

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. Attendees visited this incredible project, and saw how these units autonomously change their own battery packs!
In today’s ever-changing advanced transportation landscape, having visionary leadership is key. The Annual Women in ACT event, sponsored by Ford, brought together top female executives in the public and private sector who have dedicated their careers to advancing the clean transportation market. Each shared insight into their individual paths to success and their perspective on the trends and technologies that will transform our industry.

Battery Technology Workshop
Electric vehicle battery technology is evolving and improving rapidly and fleets are frequently left with questions surrounding durability, range, source materials, and recycling. At ACT Expo this year, the Battery Technology Workshop explored these pressing battery issues and presented a state of the state on battery technology combined with a forum on recycling and second life applications.

NACFE Trucking Efficiency Workshop
The North American Council on Freight Efficiency’s (NACFE), whose work encourages the use of advanced technologies to improve fuel economy, hosted their annual Trucking Efficiency workshop that discussed the benefits and challenges of adopting various technologies, including 8x2 axles, idle reduction devices, electronic engine settings, and automated transmissions.

NAFTC Clean Cities Seminar
The National Alternative Fuels Training Consortium (NAFTC) is recognized as a leader in providing First Responder Safety Training for firefighters, law enforcement, and emergency medical services personnel across the US. During this presentation, the NAFTC shared information about 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. This project is funded by the US Department of Energy Clean Cities program.

CHBC Spring Summit
The movement of freight and goods from the commercial ports to consumers represents a vital component of US transportation infrastructure and the US economy. Supports and distribution networks are economic drivers for jobs and development, but they also cause significant air and greenhouse gas emissions. The California Hydrogen Business Council (CHBC) hosted a half-day workshop to discuss the ability of hydrogen and fuel cell technologies to enable commercial customers to meet sustainability and regulatory compliance objectives, while addressing the technical and non-technical challenges with transitioning hydrogen and fuel cells into fleets.

Women in ACT Summit
In today’s ever-changing advanced transportation landscape, having visionary leadership is key. The Annual Women in ACT event, sponsored by Ford, brought together top female executives in the public and private sector who have dedicated their careers to advancing the clean transportation market. Each shared insight into their individual paths to success and their perspective on the trends and technologies that will transform our industry.

“ACT Expo is unique. Attendees get exposed to every part of the chain of alternative fuel industry—from component manufacturers, to OEMs, fuel suppliers, all the way to the end-user. No other place can do that. The networking and the learning that goes on here is unmatched.”
Dean Stapleton
Manager of Alternative Fuels
Penske Truck Leasing

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BSR Future of Fuels Spring Forum
BSR’s Future of Fuels works with its corporate members and 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. BSR lead a discussion on the newly launched Sustainable Fuel Buyers’ Principles—developed by BSR’s members, including UPS, Walmart, Amazon, and others—that are designed to increase the availability of sustainable, low-carbon fuels.

Game Changer Summit 2.0
The 2nd annual Game Changer Summit provided a comprehensive update on the Cummins Westport ISL G near-zero natural gas engine deployment—a transformative sustainability solution that is making significant headway in the refuse and transit sectors, and is beginning to gain steam in the on-road truck segment. The session featured a number of leading fleets that now have run hundreds of thousands of miles powered by near-zero emission engines and renewable natural gas.

Funding Workshop
At this year’s ACT Expo, GNA brought together leading agencies and companies to help fleets navigate funding for clean transportation. Attendees heard an update on the VW settlement and the next steps in accessing funding, how to access carbon credits, e.g., RINS and LCFS, how to utilize performance contracts for AFVs, and the best ways to deploy funding to achieve results in vehicle electrification.

Fleets for the Future: Innovative Procurement Strategies to Reduce Cost & Aggregate Demand
The Electrification Coalition and the National Association of Regional Councils joined forces at ACT this year to discuss procurement efforts for new vehicles and alternative fuel technologies for fleets. This peer-to-peer workshop presented efforts by Fleets for the Future, a U.S. Department of Energy Clean Cities project, which focuses on making the procurement process easier and less expensive for fleets across all weight classes and ownership models.
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 U.S. 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.