ACT EXPO
May 2-5, 2016 | Long Beach, CA

EVENT SUMMARY

PRESENTING SPONSOR

PENSKE
Rental | Leasing | Logistics

2016 CO-HOSTS

EDTA
Electric Drive Transportation Association

NACFE
National Compressed Natural Gas Council

CALIFORNIA HYDROGEN BUSINESS COUNCIL

PROPAINE
Propane Education & Research Council

NGVAMERICA
Natural Gas Vehicles for America
The 2016 Advanced Clean Transportation (ACT) Expo in Southern California demonstrated the incredible momentum taking place across the transportation industry to lessen dependence on fossil fuels, improve air quality, and mitigate our impact on climate change. The show shined a spotlight on the trends and technologies transforming the future of transportation—including the importance of corporate sustainability, increasing rollout of policies in favor of reducing vehicle emissions, and the advancement of zero-emission vehicles, low carbon fuels, autonomous and connected vehicles, fuel efficiency technologies, car sharing, drone delivery, and much more.

Underscoring the importance of collaboration in the name of progress, this year’s program was hosted in partnership with the Propane Education & Research Council, the Electric Drive Transportation Association, NGVAmerica, the North American Council for Freight Efficiency, and the California Hydrogen Business Council, providing for a diverse range of perspectives on how to best tackle vehicle emissions and fuel price volatility.

ACT Expo featured a massive exhibit hall that represented all alternative fuel types—including natural gas, electric, hybrid, hydrogen, propane autogas, and renewable fuels. Throughout the show, our nearly 3,000 attendees had 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—including dozens of newly debuted products (highlighted on the following pages).

We invite you to save the dates for next year! Set for May 1-4, ACT Expo 2017 will return to the Long Beach Convention Center in Southern California.
## Major Sponsors & Supporters

ACT Expo 2016 would not have been possible without the support of the following organizations:

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Product Debuts and Announcements

Bauer Compressors debuted its next innovation for CNG Compressors, the C23 M-Series™ with Q-Technology with a newly designed cabinet with more efficient thermo-insulation.

Cummins Westport’s ISL G Near-Zero engine was on display for the first time at a public event.

Allied Group debuted a new line of vacuumed formed (cast) coalescing filters.

SimpleFuel unveiled its new Home Vehicle Refueling Appliance for hydrogen fuel cell vehicles.

Ford debuted its lightweight military-grade aluminum F-250 Super Duty pickup, announcing that it’s now available with gaseous-prep V-6 or V-8 engines allowing for easy conversion to natural gas or propane autogas fuel.

Trucking Efficiency, a collaboration of NACFE and the Carbon War Room, released the findings of a Tractor Aerodynamics Confidence Report detailing the value of aerodynamics for sleeper and day cab operators. This is the 12th report in this series covering over 50 technologies for improved freight efficiency.

CP Industries debuted its expanded line of high performance, all-carbon Type 4 tanks, now offering 21-inch and 25-inch diameters.

XL Hybrids, Inc., the leader in fleet electrification solutions for commercial and municipal fleets, announced that 25 million road miles have been collectively driven by the fleets of globally-recognized brands, municipalities and nonprofits using the XL3® Hybrid Electric Drive System.
Questar Fueling debuted their new mobile CNG fueling station, providing fleet operators with more options for fueling their vehicles without having to invest capital to build a station.

Cobham announced on-demand delivery of their qualified type 4 CNG storage tanks, offering a readily available and competitively priced alternative for customers who are experiencing challenges with supply.

NeXgen Fuel showcased their CLP Motorsports’ trophy truck, which will be part of a newly announced fueling demonstration project using 100% bio-based renewable diesel. As part of the testing, the truck will race in the 2016 Baja 1000.

Pi Innovo debuted the M110 multi-purpose controller, the latest module to join its highly versatile and successful OpenECU product line.

Zenith Motors debuted their larger electric shuttle.

ChargePoint debuted its next generation depot solutions, designed specifically for the needs of the fleet market. The CPF25 station is a fully networked, 32A, Level 2 Smart Charger with features that make it ideally suited for depot case uses.

Atlas Copco debuted its new direct drive truck piston CNG fuel station compressor and their new oil-lubricated gas screw compressor for methane and bio-methane.

Cobham announced on-demand delivery of their qualified type 4 CNG storage tanks, offering a readily available and competitively priced alternative for customers who are experiencing challenges with supply.
Product Debuts and Announcements

BSR launched its Fuel Sustainability Tool ("Fuel Tool") which will provide credible data for corporate fleet owners to compare the climate impacts, understand other sustainability challenges and trade-offs, and promote best practices.

Toyota Fleet debuted the first car hauler with a CNG engine, loaded with AFVs, such as the Mirai, Camry hybrid, a Pruis and more.

Trillium CNG unveiled its new company branding following their acquisition by Love’s Travel Stops & Country Stores.

California Air Resources Board awarded $23.6 million to the South Coast Air Quality Management District to fund a statewide project for cleaner trucks at ports and railyards.

Cenergy Solutions debuted the world’s first ANG-equipped passenger vehicle, a Honda Civic, and a 2016 Ford F-150 with a conformable, ANG tank of the future.

Start-up Nohm introduced its new all-battery electric bus, which the company aims to reach ‘price-parity’ with diesels.

Spire Natural Gas Fueling Solutions and Mainstay Fuel Technologies announced a new partnership that will combine Spire’s CNG fueling station offerings with Mainstay’s CNG vehicle fuel systems expertise.

ANGI unveiled its encore CNG dispenser, a joint development between ANGI and Gilbarco Veeder-Root.

Rousch Clean Tech debuted a Ford F-750 truck with a dedicated propane autogas fuel system.
First Priority GreenFleet made its company debut at ACT Expo and announced a new alliance with Icom North America.

TicoTrucks unveiled a propane-powered yard hostler, which will be used in a demonstration project by Ports America at the Port of Los Angeles.

ClipperCreek announced ChargeGuard™, a simple, affordable access control solution designed for fleet, workplace, and multi-tenant charging applications. ChargeGuard™ delivers reliable key-based access control for the Level 2, 240V ClipperCreek HCS product line with no on-going fees.

InsightFuel made its company debut, touting its expertise with the development of CNG fueling stations, as well as the production of the necessary tubing, conduit, fittings, regulators, and valves.

Luxfer debuted their new GEN2 G-Stor™ Go Type 4 composite cylinders, which offer market-leading storage efficiency for CNG fuel systems for trash trucks, class-8 heavy-duty trucks and medium-duty trucks.

Amp Americas announced that it formed AmpRenew as a new division focused on the sale of renewable natural gas from AmpCNG’s biogas operation at Fair Oaks Farms in Indiana.

SVF showed off their latest solution for dispenser and priority panel valve control, the SVF-CNG Manifold.

First Priority GreenFleet made its company debut at ACT Expo and announced a new alliance with Icom North America.
Media Coverage

Hundreds of media articles flooded news stands leading up to, during, and after ACT Expo 2016. With 20 official media partners, including platinum sponsor Fleet Owner, and 70+ media representatives in attendance, ACT Expo received more media coverage than ever before.

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

- **Company** | **Booth**
  - ABB Inc. | 1404
  - ACT Expo Information Booth | 1353
  - AFV Natural Gas Fueling Systems | 663
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  - Workhorse Trucks | 1745
  - Worthington Industries | 1059
  - XL Hybrids | 1427
  - Zenith Motors | 1416

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“If you’re not at ACT Expo, you’re not in the game.”

Eric Gibson

Pacific Gas and Electric Company
“ACT Expo offers a community of like-minded individuals coming together to discuss present accomplishments and future goals.”
Edward Gomez
"There was a nice variety of alternative fuel vehicles and equipment."

Bob Truman
Advanced Clean Technology Display Vehicles

The show floor featured vehicles across all alternative fuels and weight classes, including:

**Natural Gas**
- Daimler Trucks Freightliner Cascadia Class 8 Tractor, LNG
- Daimler Trucks Freightliner 114SD Roll-Off Tractor, CNG
- Daimler Trucks Freightliner M2-112 Street Sweeper, CNG
- Ford F-150 Converted Adsorbent NG Pickup, CNG (Cenergy Solutions)
- Ford F-59 Truck, Bi-Fuel/CNG (Landi Renzo USA)
- Ford Super Duty F-250 Pickup, CNG
- Freightliner Cascadia 113 DayCab Tractor, CNG (Agility Fuel Technologies)
- Freightliner Cascadia Class 8 Tractor, CNG (Questar)
- Freightliner Cascadia Tractor with 53’ Trailer, CNG (E-Controls by Enovation Controls)
- Kenworth T680 DayCab Cabinet Mount System Tractor, CNG
- Kenworth T880 DayCab Rail Mount Systems Roll-Off, CNG (Trilogy/Worthington)
- Peterbilt Tractor with Car Hauler, CNG (Toyota)
- Peterbilt 579 DayCab Tractor, CNG (Momentum Fuel Technologies)
- Questar Mobile CNG fueling station
- Thomas Built Bus C2, CNG
- Volvo VNL 64T 300 160 BTC Tractor, CNG (Agility Fuel Technologies)

**Renewable Fuels**
- GMC Canyon Midsize Pickup, Biodiesel (National Biodiesel Board)
- Chevy Corvette Race Car, Renewable Diesel (Golden Gate Petroleum/NEXGEN Fuel)
- Off Road Series Trophy Truck, Renewable Diesel (Golden Gate Petroleum/NEXGEN Fuel)

**Propane Autogas**
- Chevy Silverado with ICOM JTG bi-fuel liquid propane system (First Priority GreenFleet)
- Chevy Cruze with ICOM JTG bi-fuel liquid propane system (First Priority GreenFleet)
- Ford Class 5 Vending /Service Truck PREC (ROUSH CleanTech)
- Ford Class 7 Side Load Beverage Delivery Truck (ROUSH CleanTech)
- Ford F-550 (PERC)
- Freightliner Custom Chassis S2G Truck Chassis (PERC)
- Tico Port Tractor (PERC)

**Hybrid & Electric Drive**
- BMW i3
- BMW i3 Police Vehicle (LAPD)
- BYD Motors Class 8 Truck
- BYD Motors Delivery Truck
- BYD Motors Pneumatic Tire Lift Truck
- BYD Motors Step Van
- BYD Motors Transit ebus
- Chevy Malibu, Hybrid Electric
- Chevy Bolt
- Chevy Silverado Extended Range Crew Cab Truck (VIA Motors eRev)
- Complete Coach Works ZEPS Transit Bus
- Electric Truck Industries E-Ride Utility Vehicle
- First Priority GreenFleet eLion Type C School Bus
- EVI Walk-In Step Van (First Priority GreenFleet)
- Ford Focus
- Ford Transit Van, Hybrid Electric (XL Hybrids)
- Hino Trucks 195H Class 5 Truck, Hybrid Electric
- International Navistar Class 8 Drayage Tractor (US Hybrid)
- Mitsubishi Outlander Sports Utility Vehicle, Hybrid Electric
- Nissan LEAF
- Nohm Flat Nose Shuttle Bus
- Phoenix Motorcars ZEUS 12-16 Passenger Airport Shuttle Bus
- Phoenix Motorcars Flatbed Truck
- Tesla Motors Model S P85D Police Car (LAPD)
- TransPower Class 8 Drayage Tractor
- US Hybrid Class 8 Truck Powertrain System
- Workhorse Trucks, E-GEN Drive UPS Truck, Hybrid Electric
- Zenith Motors 13-Passenger Shuttle Van

**Hydrogen**
- Fuel Cell Plug-In Electric C-17 Tow Tractor (US Hybrid)
- Honda Clarity
- Hyundai Fuel Cell Vehicle (South Coast AQMD)
- Mercedes B-Class F-Cell
- Toyota Mirai
Who Attended ACT Expo 2016?

Geographic Representation of Attendees

7% International Attendees
Highest levels of representation: Canada, China, Mexico, Sweden, Italy, Germany, Turkey, Poland, South Korea, Chile, Argentina, Brazil, Israel, New Zealand, United Kingdom, Belgium, Colombia, France, Netherlands, Russian Federation

93% United States Attendees
Highest levels of representation: California, Texas, Ohio, Michigan, Illinois, Wisconsin, District of Columbia, New York, New Jersey, South Carolina, Colorado, Pennsylvania, Utah, Georgia, Washington, Arizona, Florida, Indiana, Oklahoma, Massachusetts, Minnesota, Oregon, Virginia, Connecticut, North Carolina, Maryland, Iowa, Nevada, Tennessee, Missouri, Kansas, Nebraska, Alabama, Delaware, North Dakota, Rhode Island, West Virginia

“Networking with the many fleets in attendance was very positive.”
Steve Larsen

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
Fleet Acquisition Manager
Fleet Maintenance Director
Fleet Manager
Fleet Supervisor
Fleet Services Bureau, Manager of Acquisitions
Lead Fleet Maintenance Technician
Maintenance Director
Manager, Logistics
Manager, Vehicle Acquisitions
Managing Director - Environmental Services
North American Fleet Asset Manager
North American Logistics & Fuel Purchasing
North American Transportation Manager
Operations Manager
President
Regional Fleet Services Manager
Senior Automotive Equipment Analyst
Senior Engineer, Transportation Energy
Senior Regulatory Counsel
Senior Vice President
Senior VP of Engineering Services
Senior VP of Maintenance
Sustainable Fleet Specialist
Transport Policy Program Director
Transportation Manager
Vehicle Fleet/Equipment Control
Vehicle Supply Management
Vice President Fleet Operations
Vice President North American Distribution Services
Vice President of Maintenance
Vice President Operations
Vice President, Public Policy and Regulatory Affairs
Vice President Strategic Planning
Vice President Transportation
Hundreds of leading public and private fleet operators attended ACT Expo 2016, including:

- ABC Environment
- ACE Parking
- Aergas
- A&R Trucking
- Alan Ritchey
- Allan Company
- AmeriPride Services
- Anheuser-Busch
- Antelope Valley Transit
- Auto eVantage
- B&B Trucking
- Bennet Valley USD
- Big Blue Bus Santa Monica
- Black Bros & Son
- BredenMaster
- Bryn Mawr College
- Burbank Water and Power
- California Cartage Company
- California Department of General Services
- CalPortland Company
- Caltrans
- Central Freight Lines
- Central Unified School District
- CEVA Logistics
- Chesterfield County
- City and County of San Francisco
- City Furniture
- City of Beverly Hills
- City of Boston
- City of Burbank
- City of Columbus
- City of Culver City
- City of Dallas
- City of Dublin
- City of Edmond
- City of Fullerton
- City of Hermosa Beach
- City of Long Beach
- City of Los Angeles
- City of Medicine Hat
- City of Monterey Park
- City of New York
- City of Norwalk
- City of Ontario
- City of Pomona
- City of Redondo Beach
- City of San Fernando
- City of Santa Ana
- City of Santa Clarita
- City of Santa Fe Springs
- City of Santa Monica
- City of Seattle
- City of Signal Hill
- City of South Pasadena
- City of Thousand Oaks
- City of Whittier
- Click Wholesale Distributing
- Consolidated Edison
- Contract Transport Services
- County of Sonoma Fleet Operations
- CR&R Waste & Recycling Services
- Crestline Auto Transport
- Dallas Area Rapid Transit (DART)
- Dart Trucking
- Del Valle ISD
- Dillon Transport
- Disneyland Resort
- EBI
- Express Mondor
- Fast Lane Transportation
- FCA US
- FedEx
- Food Express
- Frito-Lay
- Gardena
- General Services Administration
- Georgia Power
- Giant Eagle
- Gold Coast Transit District
- GreenCommuter
- Hodges Transportation
- Ikea
- Inland Empire Foods
- International Transportation Management
- InterTek Testing Services
- Iowa Department of Transportation
- J.B. Hunt Transportation
- Kitsap County
- Krisda
- LA Metro
- Labatt Breweries Limited
- Lane County Public Works
- Lextran
- Los Angeles Department of Public Works
- Los Angeles Department of Transportation
- Los Angeles Department of Water and Power
- Los Angeles International Airport
- Los Angeles Metropolitan Transportation Authority
- Los Angeles Police Department
- Los Angeles USD
- LRD Incorporation
- Lyft
- Matheson Trucking
- Metropolitan Water District of Southern California
- Midway City Sanitary District
- Montgomery County, Maryland
- Mp Environmental Service
- National Aeronautics and Space Administration (NASA)
- National Ready Mix
- Nestle Waters North America
- New Jersey Natural Gas
- New York City
- NFI
- NGL Transportation
- Northeast Waste Solutions
- NYC Department of Sanitation
- OOCL (USA)
- Orange County Transportation Authority
- Ozinga
- Pacific Gas & Electric Company
- PAR Electrical Contractors
- Paso Robles Waste and Recycle
- Penske Truck Leasing
- Peterson Bros Construction
- Port of Los Angeles
- Potco
- Preflight Airport Parking
- Price Transfer
- Puget Sound Energy
- Rainier Guest Services
- Republic Services
- Rio Hondo College
- Rio Rico Medical and Fire District
- Riverside Police Department
- Ruan Transport Corporation
- Rustbelt Group
- Ryder System
- Sacramento Municipal Utility District
- Saddle Creek Transportation
- Salmon Companies
- San Diego Gas & Electric
- San Diego Metropolitan Transit System
- San Joaquin Regional Transit District
- Schneider Electric
- Sheehy Mail Contractors
- SoCalGas
- Soft Stuff Distributors
- Sony Pictures Studios
- South Jersey Gas
- Southern Aerospace Company (SAC)
- Southern California Gas
- Southwest Gas
- Stantec
- Student Transportation of America
- Suburban Propane
- SummitTec
- Super Shuttle
- Superior Ready Mix Concrete
- Sysco Los Angeles
- Taxelco (Téo Taxi)
- Texas Department of Transportation
- The Coca-Cola Company
- The Metropolitan Water District of Southern California
- The Parking Spot
- Torrance Unified School District
- Toyota Transport Compliance
- Traffic Management
- Transport for London
- Transportation Authority of Marin
- TX Department of Transportation
- U.S. Air Force
- U.S. Army Corps of Engineers
- UCLA Fleet & Transit
- U-Haul
- Unified Grocers
- Unilever
- United States Postal Service
- University of California at Irvine
- UPS
- Van Diest Brothers
- Ventura County Fire Department
- Veolia Transportation
- Victor Valley Transit Authority
- Virginia Transportation
- Vision Fleet / Evercar
- Vons Grocery
- WallyPark
- Walmart
- Warner Brothers Studios
- Washington State Department of Enterprise Services
- Waste Management
- WC Logistics
- Wegmans
- Worldwide Produce
- Yale University
- ZipCar
KEYNOTE: Tuesday, May 3

Carlton Rose

UPS President of Global Fleet Maintenance & Engineering Carlton Rose provided the opening keynote address titled, “Unfinished Business: Risk, Reality, and the Future of Transportation” on Tuesday, May 3. Mr. Rose highlighted UPS’s long-time commitment to sustainable transportation, referencing the first use of battery-powered electric vehicles in the 1930s. Reflecting over the sometimes-slow progress in alternative fuel vehicle development, Mr. Rose acknowledged that decades of cheap oil played a large role in suppressing transportation technology advancements.

Acknowledging that the current dip in oil prices may be similarly slowing some fleet operators’ decisions to move toward alternative fuels, he shared why UPS’s clean transportation strategy is centered around corporate sustainability, rather than fuel cost savings: “We’re playing a game of chess and the rules keep changing,” said Mr. Rose, referencing the fluctuations in oil supply forecasts and pricing that occur due to political instability in oil producing regions.

Mr. Rose was proud to share UPS’s plans to stay the course with alternative fuels and efficiency technologies, sharing the company’s plans to:

- Drive 1 billion clean fuel miles by the end of 2017 with more than 6,840 alternative fuel and advanced technology vehicles on the road today.
- Become the largest consumer of renewable natural gas (RNG) in the shipping industry, fueling its expansive fleet of Class 8 trucks and delivery vehicles across the US with extremely low-carbon, domestically produced energy.

WHY UPS FOCUSES ON SUSTAINABILITY, RATHER THAN FUEL COST SAVINGS:

“We’re playing a game of chess and the rules keep changing.”
**KEYNOTE: Thursday, May 5**

**Dennis Arriola**

*Southern California Gas Company CEO Dennis Arriola* provided a keynote address as part of ACT Expo’s Corporate Sustainability Day agenda on Thursday, May 5. Mr. Arriola shared insight into the unique challenges of operating as an energy supplier in a region that continually has the nation’s worst air quality. Referencing the state’s move toward policies that favor electric and hydrogen fuel cell vehicles, Mr. Arriola stressed the importance of developing clean energy and sustainable transportation policies that were inclusive, not exclusive.

Exemplifying the critical role that natural gas can play in addressing the city’s smog issues, he shared highlights from a recently released technical “Game Changer” whitepaper that demonstrated how “natural gas vehicles are proven to be the cleanest commercially available heavy-duty transportation option today, and for likely a decade or longer.”

In September 2015, the US Environmental Protection Agency and the California Air Resources Board certified the world’s first heavy-duty engine that emits oxides of nitrogen (NOx) at levels so low they are considered “near-zero” (NZ). Mr. Arriola detailed how the union of ultra-low NOx heavy-duty NGVs and ultra-low carbon renewable natural gas blends can uniquely, immediately, and economically help transform America’s heavy-duty transportation system, reduce petroleum dependency, improve ambient air quality, and address climate change.
Agenda Highlights

Peer-to-Peer Learning: Fleet Case Studies

Throughout the conference, fleet managers—from package delivery services to neighborhood utilities, waste disposal fleets, long-haul carriers, and more—shared how they determined which technologies and efficiency measures offer the greatest advantage for their unique operations, based on paid miles, routes and logistics, refueling accessibility, grant funding, and maintenance costs.

Executive Roundtable: Achieving Corporate Sustainability Goals: Zeroing in on Transportation

So often we hear the term sustainability focused narrowly on emissions from buildings, entirely ignoring those that result from transportation of goods and materials. This aspect of the supply chain can be the single largest source of corporate emissions, accounting for up to half of a company’s overall environmental footprint. Transportation must be a key factor evaluated by companies looking to significantly mitigate their global impact on air quality and greenhouse gas emissions.

During this roundtable, representatives from Coca-Cola, Penske Truck Leasing, Walmart, and Unilever discussed the important connection between transportation and environmental responsibility, sharing how they have gone above and beyond basic compliance to prove that fleet sustainability can make both sense and cents for their long-term company needs and corporate sustainability goals.
The Sustainable Freight Transportation Action Plan

On the final day of the conference, attendees got an inside look at California’s newly released Sustainable Freight Action Plan—widely anticipated to alter the way the world thinks about and plans for the future of freight. The integrated action plan, presented by representatives from the California Air Resources Board, California Energy Commission, and the California State Transportation Agency, is intended to:

• Improve freight efficiency.
• Facilitate the transition to zero-emission & advanced technologies.
• Increase the competitiveness of the freight system.

Looking beyond California, the panelists assessed implications this initiative could have for other states and countries considering freight system advancements and critical steps for success.

To view the full 2016 agenda, download the conference program at [www.gladstein.org/gna-conferences/act-expo-2016](http://www.gladstein.org/gna-conferences/act-expo-2016)
Thinking Globally, Acting Locally: Pioneering Sustainable Transportation in Local Government

The United Nations Climate Change Conference in Paris underscored the importance of implementing policies at a local level to address global climate change and rising emissions. In response, many local, state, and regional government organizations have made pledges to attain an 80% reduction in emissions by 2050. During this session, attendees heard from the nation’s foremost public sector transportation leaders who are moving the needle on advanced clean vehicle technology planning and deployment.

To view the full 2016 agenda, download the conference program at www.gladstein.org/gna-conferences/act-expo-2016
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 2016 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.

2016 Winner: UPS

Shipper — Organizations demonstrating a commitment to a sustainable supply chain.

2016 Winner: Unilever

Carrier — Organizations demonstrating a commitment to sustainable goods movement.

2016 Winner: Central Freight Lines

Shipper/Carrier Partnership — Recognizes a forward-thinking clean transportation collaboration between two organizations.

2016 Winner: Lowe’s and NFI

Work Truck — Organizations demonstrating leadership in sustainability for vocational trucking.

2016 Winner: AmeriPride Linen & Uniform Services

Transit & Mobility — Organizations demonstrating leadership in sustainable passenger transport, including buses, taxis, carsharing, and shuttles.

2016 Winner: SuperShuttle

Public Fleet — Government fleets demonstrating leadership in the procurement and deployment of alternative fuels and advanced vehicle technology.

2016 Winner: City of Seattle

Private Fleet — Private-sector companies that have gone beyond requirements to green their fleet.

2016 Winner: Ruan Transportation Management Systems
Co-Located Events

Trucking Efficiency Workshop

The Trucking Efficiency Workshop was co-presented by the North American Council on Freight Efficiency, Carbon War Room, and Trucking Efficiency. Attendees heard important updates on emissions reduction regulations, including the CARB Smartway Rule and EPA Phase 2 implementation, and participated in facilitated roundtable group discussions, including:

- Determining the true MPG benefits of efficiency technologies (trailer/tractor aero devices)
- Getting the most out of powertrain efficiency strategies (AMTs, 6x2s, downspeeding)
- Picking the right efficiency improvement technologies (idle reduction)
- Availability of efficiency improvement technologies for natural gas trucks

NGVAmerica Technical Forum

The NGVAmerica Technical Forum provided fleets and other interested parties an open environment to discuss critical issues faced by the NGV industry. The session consisted of three panels of experts discussing issues of relevance to those operating natural gas vehicles.

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 its AFV Curriculum Development & Outreach Project, funded by the US Department of Energy Clean Cities program, which will provide classroom and online safety training for new, underserved audiences including automotive recyclers, towing operators, collision repair personnel, and personnel responsible for fueling, repair, maintenance and conversion facilities. The session provided Clean Cities Coalitions with details about the curricula being developed, how to cultivate relationships with these potential stakeholders, and resources to educate these new audiences.
Women in ACT Summit

As the nation works to resolve its climate change and air quality issues, effective vision and leadership have never been more vital. Attendees heard from female executives in the public and private sector who have dedicated their careers to advancing the clean transportation market, including insight into their individual paths to success and their perspective on the trends and technologies that will transform our industry.

CHBC Spring Summit

The CHBC Spring Summit, presented by the California Hydrogen Business Council, provided a balanced forum for businesses, academia, and government agencies to explore hydrogen and fuel cells through intelligent conversation, surprising presentations and thought-provoking sessions. Attendees heard from an impressive array of senior government officials and industry executives providing their vision of the role of hydrogen and fuel cells in California and the US and laying out their plans for continued technology commercialization.

“The information and contacts made will help propel relationships and future alt fuel adoptions.”

Brad Norman
Medium- & Heavy-Duty Electric Commercial Vehicles

Electric applications in the medium- and heavy-duty sectors are beginning to see increased demand as well as an increased number of offerings from vehicle manufacturers. Over the past few years, transit agencies have adopted electric buses in higher volumes—some going so far as to commit to 100 percent electric—proving that the technology is no longer in demonstration, but is a viable alternative to traditionally fueled buses. While the other segments of medium- and heavy-duty transportation have been slower to develop and adopt electric vehicles, a number of options have emerged for work truck, over-the-road and other specialty applications. Some of the nation’s top fleets have begun deploying these vehicles—both pure battery electric and hybrid—in real-world, customer-demanding applications. This session connected the sellers with the buyers to advance the use of electric vehicle technologies in some of these heavier-duty sectors.

Game Changer: Today’s Most Viable Option for Near Zero Emission Heavy-Duty Transportation

The 0.02 g/bhp-hr NOx natural gas engine, particularly when fueled with renewable natural gas, is a “Game Changer” for the transportation industry that will allow fleets to pioneer a sustainable energy future. This session showcased the transformative sustainability solution that has made zero emission equivalent vehicle operations possible for the heavy-duty transportation sector, starting with heavy-duty vocational applications like refuse, transit, municipal, and urban delivery and then expanding to over-the-road trucking. Fleet operators shared insight into their practical approach and implementation of this game changing technology. A technical whitepaper supporting the emissions reduction benefits of this new engine technology and fuel combination was publically released in tandem with the workshop.
BSR Future of Fuels Spring Forum

BSR’s Future of Fuels initiative works toward a vision of commercial freight fueled by low-carbon sustainable technology as a business-to-business, cross value-chain, fuel-neutral group focused on energy sustainability. During the Spring Forum, attendees learned about the debut of the first Fuel Sustainability Tool, which will enable fleet owners to compare and evaluate the climate and other sustainability impacts of fuels. BSR is a global nonprofit organization that works with its network of more than 250 member companies to build a just and sustainable world.

Be Compliant with California’s Heavy-Duty Diesel Vehicle Regulations — Avoid the Heavy Fines!

A Virginia-based trucking company was recently assessed $390,000 in fines and remediation costs by the US EPA for violating California’s toxic diesel emissions regulations. These rules apply to all trucks entering California, even if they are registered out of state. This session, hosted by UC Davis, provided insight into what ARB inspectors look for in an inspection, as well as the schedule of dates for compliance. Attendees learned how to comply with California’s heavy-duty diesel regulations for diesel trucks, buses, and trailers that operate on California roads.
Thank You to Our Planning Committees!

ACT Expo 2016 is produced by Gladstein, Neandross & Associates (GNA), a leading North American clean transportation and energy consulting firm. To ensure relevant and impactful programming for fleet managers and transportation professionals no matter their vocation, ACT Expo’s Planning Committees provide boots-on-the-ground experience for an agenda like no other. These advisory committees are comprised of prominent public and private sector stakeholders working to advance North America’s economic, environmental and energy security by reducing petroleum use in transportation, including:

High-Volume Fleets – GNA would like to thank the following public and private fleet leaders who collectively manage tens of thousands of vehicles across all alternative fuel types and oversee some of the most innovative fleet operations in the country:

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- **Mike Britt**, United Parcel Service
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- **Kevin Richardson**, The Parking Spot
- **Rocky Rogers**, Dallas Area Rapid Transit
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- **Marty Tufts**, Waste Management
- **Sam Weitz**, Anheuser-Busch

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- **Dennis Smith**, US Department of Energy
- **Sam Spofoot**, Clean Fuels Ohio
- **Linda Urrata**, San Joaquin Valley Clean Cities
- **Kellie Walsh**, Greater Indiana Clean Cities
- **Randy Wilde**, San Diego Regional Clean Cities Coalition
- **Kevin Wood**, San Diego Regional Clean Cities Coalition
Save the Dates

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Gladstein, Neandross & Associates | 2525 Ocean Park Boulevard, Suite 200 | Santa Monica, CA 90405
888.993.0302 tel | 310.314.9196 fax | www.gladstein.org