



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

In partnership with: **FleetOwner**



PRESENTING SPONSORS

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Key Stats

650+
registered
fleet operators

150+
sponsors and
exhibitors

22
countries
represented

60+
advanced vehicles
on display

125+
industry
speakers

70+
media
representatives

18
co-located
events

25+
product debuts &
announcements

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:

Presenting Sponsor



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FleetOwner



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 Wards Auto. This partnership signified the importance of fleet sustainability across all vehicle weight classes and fuel types.

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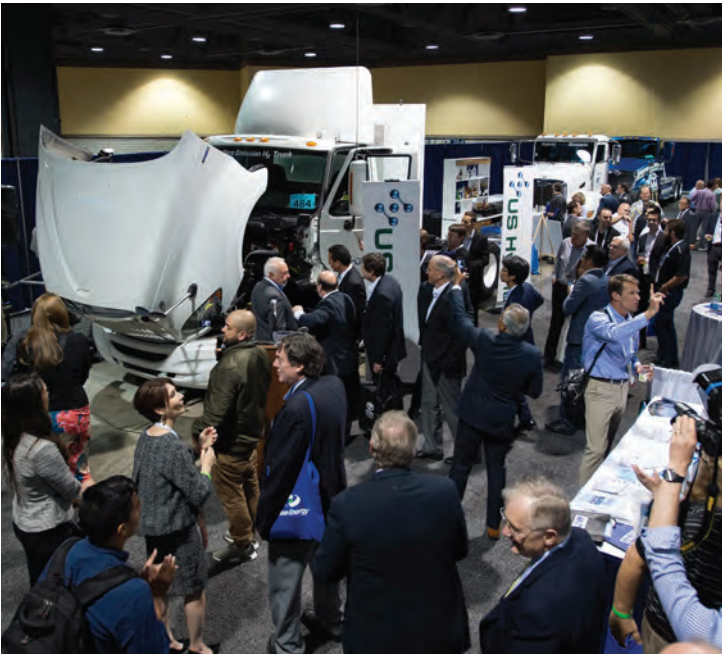
Media Partners



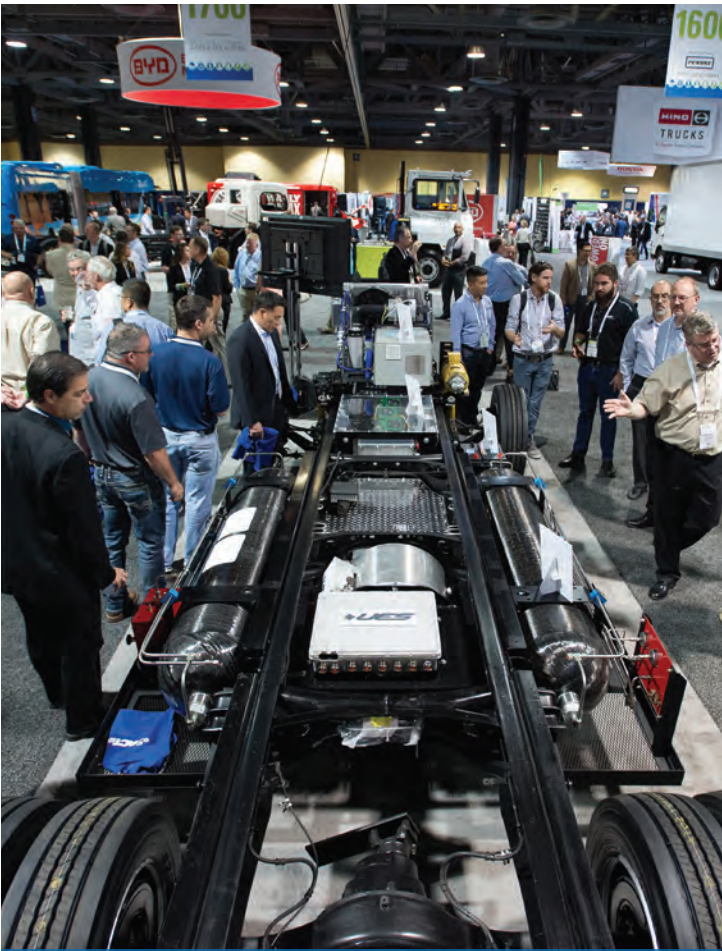
Product Debuts and Announcements



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.



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.



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.



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.



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



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



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



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.



Workhorse Group Inc. unveiled their W-15 electric pickup concept truck with range extender for fleet use.



Blue Whale Vessels, LLC debuted the world's largest type 1 CNG vessel.



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.

Product Debuts and Announcements



Athens Services debuted their ultra-low NOx Autocar CNG refuse vehicle.



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



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 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.



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 too accelerate the transition to low-carbon fuel and related technologies.

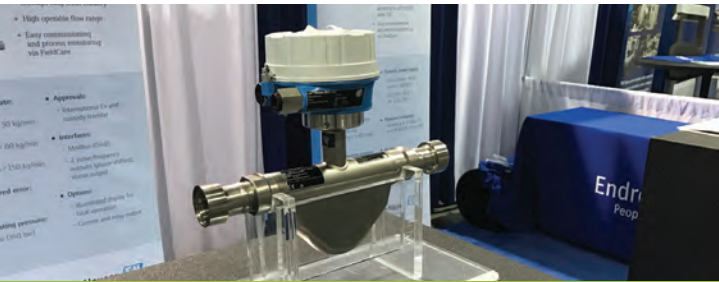


Cenergy Solutions announced that they have entered into an exclusive agreement with Jacobi Carbons to develop and distribute Jacobi's activated carbon to Cenergy Solutions' customers worldwide.



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

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 CNGmass D8CB25 Flowmeter that improves efficiency of shale gas tube trailer loading.



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.



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

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

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

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.

Media Coverage

Hundreds of media articles flooded news stands leading up to, during, and after ACT Expo 2017. With 20 official media partners, including show partner *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:



- Get an inside glimpse into the exciting events that took place:
- [Tuesday, May 2 Issue »](#)
 - [Wednesday, May 3 Issue »](#)

Published daily at ACT Expo in Long Beach!

Exhibitors



Exhibitor	Booth	Exhibitor	Booth	Exhibitor	Booth	Exhibitor	Booth
ABB Inc.	1710	Cobey Energy	656	Insight-Fuel, LLC	453	PSB Industries	654
Additel Corporation	1155	Cobham	854	Intertek	1623	PST Cylinders	1154
ADOMANI & GreenPower Bus	1545	Comdata	725	J-W Power Company	744	Quantum Fuel Systems LLC	737
Agility Fuel Solutions	945	Concept GEEBEE	1629	Janasi Industries	548	Quantum Fuel Systems Technologies	1614
Allied Group, Inc.	733	CP Industries	955	Kenworth Truck Company	1019	ROUSH CleanTech	815
American Gas & Technology	555	Creative Bus Sales, Inc.	1708	KIA Motors	1505	Sensor Electronics	747
American Honda Motor Company	1303	CRP Industrial	755	Kiwa Nederland B.V.	1157	Sierra Monitor Corporation	756
ampCNG	757	CSA Group	649	Kleen Performance Products	730	SimpleFuel	1619
Andon Specialties, Inc.	925	Cummins Westport	936	Kraus Global	745	South Coast Air Quality Management District	1523
ANGI Energy Systems	653	Cyber Switching	1617	Lightning Hybrids	1434	Southern California Gas Company	932
Aqua-Hot Heating	848	Daimler Trucks North America	929	LightSail Energy	633	SPX FLOW, Inc.	749
Ariel Corporation	637	Delta Products Company	1627	Luxfer Gas Cylinders	837	Staubli	645
Athens Services	861	Derive Efficiency	832	McNeilus Companies	833	SVF Flow Controls	852
Atlas Copco Gas and Process	445	Digital Wave Corporation	1052	Microvast, Inc.	1618	Swagelok	545
AtronCS	844	DK-Lok USA	629	Mitsubishi Fuso	1345	Syntech Systems, Inc.	1256
Autocar Trucks	1060	E3 Spark Plugs	1254	Mitsubishi Motors North America, Inc.	1608	TDIndustries	652
Bauer Compressors	1235	Eco Energy International	1056	Momentum Fuel Technologies	1227	Torque Trends, Inc	1625
Bestworth-Rommel, Inc.	953	EControls	339	MSA - The Safety Company	829	Toyota Motor Sales	1408
Bristol Clean Energy	952	Effenco	1431	National Auto Fleet Group	661	TransPower	1645
BYD Motors	1633	Efficient Drivetrains, Inc.	1628	National Biodiesel Board	625	Trillium CNG	1011
California Hydrogen Business Council	1717	Endress+Hauser	855	Natural Gas Vehicle Institute	1053	TruStar Energy	437
California Natural Gas Vehicle Partnership	1519	Fiat Chrysler Automobiles (FCA)	1418	NESTE US, INC.	1022	Tulsa Gas Technologies	853
Catalina Composites	549	FIBA Technologies	753	New Eagle Control	1427	UPS - DOE Sponsored Hydrogen Fuel Cell Truck	1745
Cenergy Solutions	529	Fleet Owner	729	Nordresa, Inc.	1527	US Hybrid	1803
ChargePoint Inc	1713	Ford Motor Company	1211	Oasis Engineering	748	USA PRO Shoreline Technology	928
Chart Industries	537	GAIN Clean Fuel	1252	Odyne Systems LLC	1626	Wayne Fueling Systems	828
Cimarron Composites	463	Galileo	455	Optimum Composite Technologies	557	WEH Technologies	846
City of Long Beach Fleet	1061	Gas Technology Institute	657	OPW Clean Energy Fueling Products	1153	Workhorse Trucks	1844
City of Los Angeles Fleet	1260	General Motors Fleet	1508	PACCAR Parts	728	Worthington Industries	923, 1253
Clean Cities - US Department of Energy	830	Gladstein, Neandross & Associates - ACT Expo	1119	Parker Hannifin	845	Xebec Adsorption, Inc.	553
Clean Energy Cryogenics	1054	GP Strategies	1152	Penske Truck Leasing	1145	XL Hybrids	1319
ClipperCreek	1612	GreenPower Bus	1555	PG&E Fleet	1354	Zenith Motors	1335
CMD CNG Energy Solutions	552	HINO Trucks	1535	Phoenix Motorcars	1728		
CNG Cylinders International	532	Hy-Lok USA	1057	Pi Innovo	1515		
Coalition for Clean Air	1722	Hydro-Pac	449	Propane Education & Research Council	911		
		Icom North America	823				

Expo Hall Highlights



"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

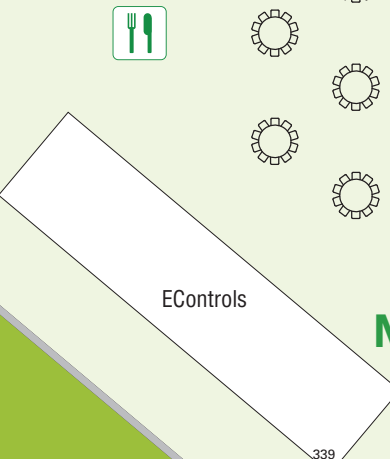
"ACT Expo is very important for us to attend, because all of the suppliers are here—station developers, manufacturers of tanks, trucks, fuel systems... everything."

Mark Matheson
President & CEO
Matheson Companies

FREEMAN SERVICE DESK



CONCESSIONS



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CALIFORNIA NATURAL GAS VEHICLE PARTNERSHIP

Cimarron Composites 463	National Auto Fleet Group 661	Athens Services 861	Autocar Trucks 1060	City of Long Beach Fleet 1061	City of Los Angeles Fleet 1260
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Galileo 455 Insight Fuel 453	CMD CNG Energy Solutions 552	Optimum Composite Technologies 557	Cobey Energy 656	American Gas & Technology 555	PSB Industries 654	Xebec Adsorption 553	TDIndustries 652	ANGI Energy Systems 653	Gas Technology Institute 557	Sierra Monitor Corporation 756	ampCNG 757	Cobham 755	CRP Industrial 755	854	FBA Technologies 753	SVF Flow Controls 852	Endress+Hauser 855	Bristol Clean Energy 853	CP Industries 955	Eco Energy International 1056	Bestworth-Rommel 953	Digital Wave Corporation 1052	Hy-Lok 1057	PST Cylinders 1154	Natural Gas Vehicle Institute (NGVI) 1053	GP Strategies 1152	Kiwa Nederland 1157	Syntech Systems 1256	Additel Corporation 1155	E3 Spark Plugs 1254	CPW Clean Energy Fueling 1153	GAIN Clean Fuel 1252	Worthington Industries 1253
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NATURAL GAS

Hydro-Pac 449	Janasi Industries 548	Atlas Copco Gas and Process 445	Catalina Composites 549	Swagelok 545	CSA Group 649	Oasis Engineering 748	Stäubli 645	J-W Power Company 744	SPX Flow 749	Aqua-Hot Heating 848	Sensor Electronics 747	WGH Technologies 846	Kraus Global 745	ATronCS 844	Parker Hannifin 845	Agility Fuel Solutions 945	Penske Truck Leasing 1145
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NATURAL GAS

TruStar Energy 437	Chart Industries 537	Ariel Corporation 637	Quantum Fuel Systems LLC 737	Luxfer Gas Cylinders 837	Cummins Westport 936	CNG Cylinders International 532	Cenergy Solutions 529	LightSail Energy 633	Kleen Performance Products 730	DK-Lok USA 629	PACCAR Parts 728	Allied Group 733	Derive Efficiency 832	Clean Cities - US DOE 830	Fleet Owner 729	Wayne Fueling Systems 828	McNeilus Companies 833	Southern California Gas Company 932	MSA - The Safety Company 829	USA PRO Shoreline Technology 828	Daimler Trucks North America, Freightliner Custom Chassis 929
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NATURAL GAS

COMDATA 725	Icom North America 823	Andon West 925	Worthington Industries 923	NESTE US 1022	Kenworth Truck Company 1019	Gladstein, Neandross & Associates 1119	XL Hybrids 1319	Propane Education & Research Council 811	Trillium CNG 1011	Ford Motor Company 1211
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PROPANE AUTOGAS

Roush CleanTech 815

CONCESSIONS

PG&E Fleet 1354	GreenPower Bus 1555	ADOMANI & GreenPower Bus 1545	TransPower 1645	DOE-Sponsored Hydrogen Fuel Cell Vehicle (UPS) 1745	Workhorse Trucks 1844
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ELECTRIC DRIVE

Bauer Compressors 1235	Zenith Motors 1335	Lightning Hybrids 1434	HINO Trucks 1535	BYD Motors 1633	Phoenix Cars 1728	Torque Trends 1625
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ELECTRIC DRIVE

Momentum Fuel Technologies 1227	Effenco 1431	New Eagle Control 1427	Nordresa 1527	Efficient Drivetrains 1628	Concept GEEBEE 1629	Odyne Systems 1626	Delta Products Company 1627	Fiat Chrysler Automobiles (FCA) 1418	South Coast Air Quality Management District 1523	CA Natural Gas Vehicle Partnership 1519	Microvast 1618	Cyber Switching 1617	Intertek 1623	Coalition for Clean Air 1722	SimpleFuel 1619	CA Hydrogen Business Council 1717	Pi Innovo 1515	Quantum Fuel Systems Technologies 1614	Clipper Creek 1612	Mitsubishi Motors North America 1608	ChargePoint 1713	EVSE 1715	ABB Inc. 1710	US Hybrid 1803	Creative Bus Sales 1708	Kia Motors 1505	American Honda Motor Company 1303	Toyota Motor Sales 1408	General Motors Fleet 1508
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ELECTRIC DRIVE

ENTRANCE



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 Yard Truck



BYD All-Electric Refuse Truck



BYD All-Electric Lithium Ion Forklift



Cenergy Solutions Ford F-150 CNG Pickup with Adsorbent NG Technology



Chevrolet All-Electric Bolt



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



Ford Hybrid-Electric Police Vehicle



Freightliner SuperTruck



Freightliner Cascadia fueled by Redeem RNG from Clean Energy Fuels



Freightliner CNG Cascadia Sleeper Class 8 Truck



Freightliner Cascadia w/Agility LNG Fuel System & ISL G Near Zero NOx Engine



Freightliner CNG M2-112 TYMCO Sweeper



Freightliner Custom Chassis - Propane Autogas S2G Chassis



GreenPower Bus All-Electric Double-Decker Bus



GreenPower Bus EV350 40-Foot Electric Transit Bus



HINO Hybrid-Electric Box Truck



Honda All-Electric Clarity



Honda Fuel Cell Clarity



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



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 eCanter 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



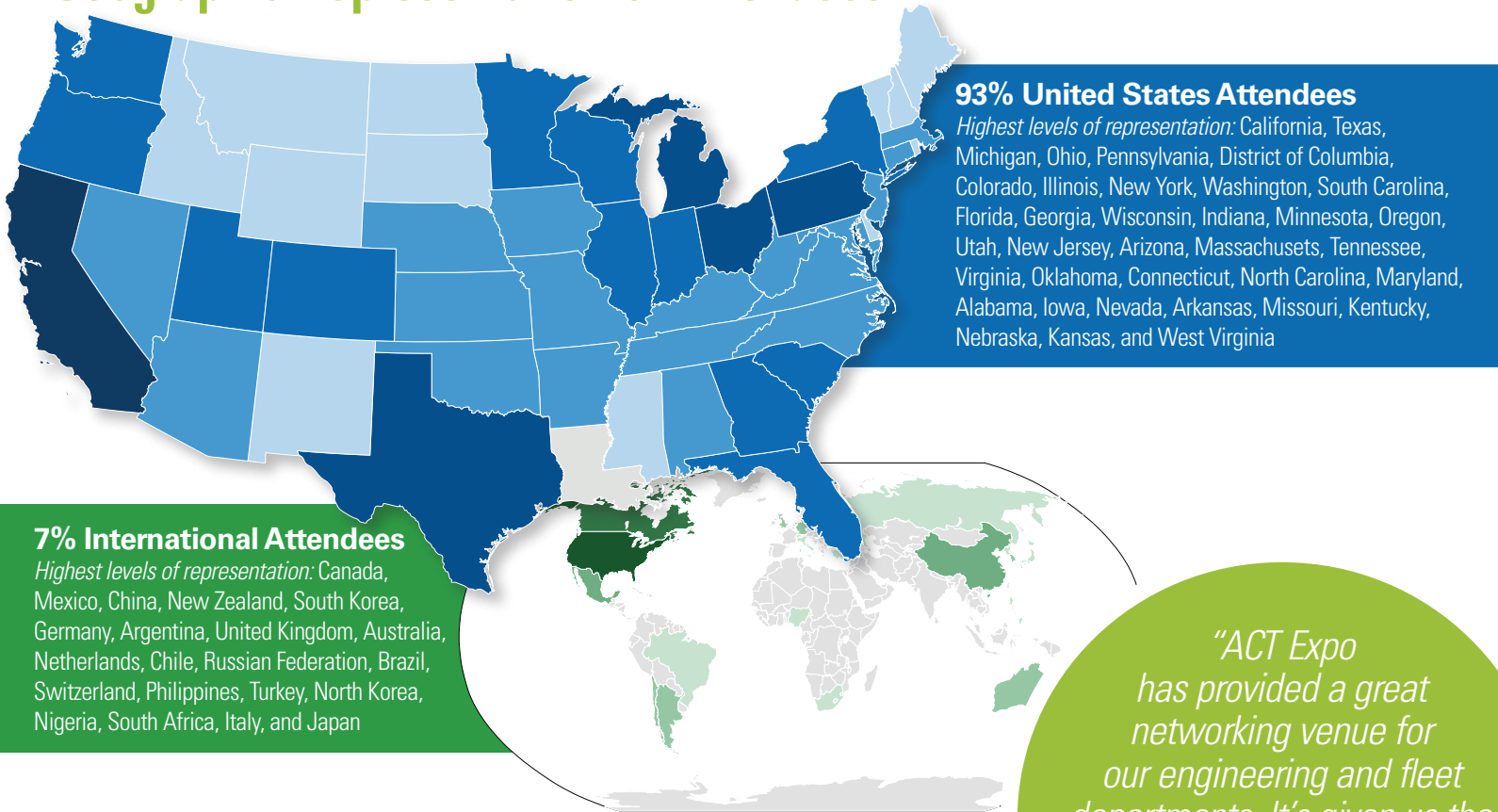
XL Hybrids Hybrid-Electric Ford Transit Van



Zenith Motors All-Electric Shuttle Bus

Who Attended ACT Expo 2017?

Geographic Representation of Attendees



“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

Sampling of Titles of Registered Attendees

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

- | | | |
|---|--|--|
| Assistant Director, Fleet Operations | Fleet Acquisition Manager | Senior Regulatory Counsel |
| Chief Executive Officer | Fleet Maintenance Director | Senior Vice President |
| Chief Fleet Officer, Deputy Commissioner | Fleet Manager | Senior VP of Engineering Services |
| Chief Operating Officer | Fleet Supervisor | Senior VP of Maintenance |
| Clean Cities Task Leader | Fleet Services Bureau, Manager of Acquisitions | Sustainable Fleet Specialist |
| Climate Policy Analyst | Lead Fleet Maintenance Technician | Transport Policy Program Director |
| Compliance Program Manager | Maintenance Director | Transportation Manager |
| Director, Alternative Fuels Program | Manager, Logistics | Vehicle Fleet/Equipment Control |
| Director of Advanced Automotive Transportation Center | Manager, Vehicle Acquisitions | Vehicle Supply Management |
| Director of Equipment Purchasing | Managing Director - Environmental Services | Vice President Fleet Operations |
| Director of Government Affairs | North American Fleet Asset Manager | Vice President North American Distribution Services |
| Director of Fleet Services | North American Logistics & Fuel Purchasing | Vice President of Maintenance |
| Director of Fleet, Facility, and Maintenance | North American Transportation Manager | Vice President Operations |
| Director of Transportation & Energy Planning | Operations Manager | Vice President, Public Policy and Regulatory Affairs |
| Director of Vehicle Supply Management | President | Vice President Strategic Planning |
| Executive Director, Citywide Sustainability | Regional Fleet Services Manager | Vice President Transportation |
| Facilities Manager | Senior Automotive Equipment Analyst | |
| | Senior Engineer, Transportation Energy | |

Fleets, Fleets, and More Fleets!

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

- | | | | |
|---------------------------------------|---|---|--|
| Aerospace Corporation | City of Santa Ana | Heniff Transportation Systems | PreFlight Airport Parking |
| Airgas Northern California & Nevada | City of Santa Clarita | Hermosa Beach Police Department | Price Transfer, Inc |
| AJR Trucking | City of Santa Fe Springs | Inland Empire Utilities Agency | Puget Sound Energy |
| Alameda County | City of Santa Monica | Innovative Entrepreneurs, Inc. | Quality Transport / Truck-Rail Handling |
| Alan Ritchey, Inc. | City of Seattle | ITM, Inc. | Republix Motor Lines, Inc. |
| Albertsons | City of South Pasadena | Jefferson County, Washington | Roadrunner |
| Alisto Engineering Group | City of Thousand Oaks | J-W Power Company | Ruan Transportation Management |
| Alliant Event Services, Inc. | City of Torrance | Kenco Transportation Management | Ryder System, Inc. |
| Amazon | City of West Hollywood | King County Metro | Saddle Creek Transportation |
| American Honda Motor Company | City of Whittier | KV Trucks, Inc. | Salmon Companies |
| AmeriPride Services Inc. | Coachwest Transportation, Inc. | Lancaster County Solid Waste Management Authority | San Bernardino Valley College |
| Antelope Valley Transit Authority | Coca-Cola Refreshments | Long Beach Transit | San Diego Gas & Electric |
| APM Terminals | Colorado Department of Transportation | LA County Department of Public Works | San Diego Metropolitan Transit System |
| Athens Services | Columbia Distributing | LA Metro | Seattle Public Utilities |
| Bimbo Bakeries | Consolidated Edison Company of NY | LA Department of Transportation | Sempra Energy |
| Blackstone | Consumers Energy Company | LA Police Department | Sheehy Mail Contractors |
| Bottle Sonic | Costco Wholesale | LA Unified School District | Soft Stuff Distributors |
| Bryn Mawr College | County of Los Angeles | Lower Colorado River Authority | South Jersey Gas |
| C&S Wholesale Grocers/ES3 | County of Marin | Marion County Board of Commissioners | Southern California Gas Company |
| Cache County School District | County of Orange | Matheson Trucking | Southland Transit, Inc. |
| Cal Poly | County of Riverside | Maven Trans Group | Southwest Region Fleet Transportation |
| California Cartage Company | County of San Bernardino | Mayor USA | Stanford University, Parking & Transportation |
| California Dept. of Transportation | CPL Express, Inc. | McNabb Trucking | Stark Area Regional Transit Authority |
| California Linen Services | CR&R Waste & Recycling Services | Metro Worldwide | State of California Department of Transportation |
| California State Parks | Cryogenic Transportation LLC | Metropolitan Water District of SoCal | Sunline Transit Agency |
| CalPortland Company | Cutler Repaving, Inc. | Milwaukee County DOT | Super Shuttle |
| Carburagas SA de CV | Dart Transit Company | Minuteman Transport, Inc. | Texas Department of Transportation |
| Central Freight Lines | Daylight Transport | Mitsubishi Electric US, Inc. | Torrance Unified School District |
| Cheetah 1 Express | Dillon Transport | Monster Energy | Traffic Management |
| Chicago Transit Authority | Disneyland Resort | Montebello Bus Lines | Transdaily Spa |
| City of San Francisco | DLG SPA | Monterey Bay Air Pollution Control District | Tricon Transportation, Inc. |
| City of Burbank | Duke Energy Business Services | Muncie Indiana Board of Sanitary District | Trinity Ocean Logistics, Inc. |
| City of Claremont | Ed Rocha Livestock Transportation | National Retail Systems | Universal Trucking |
| City of Commerce | Enterprise Fleet Management | NAVFAC Atlantic | University of California, Los Angeles |
| City of Culver City | Envirowaste | Nebraska Public Power District | UPS |
| City of Dublin | Équipements Claude Pedneault | Nestlé | US Foods |
| City of Fort Worth | Evolve Activation | New Jersey Natural Gas | Van Diest Bros. Inc. |
| City of Fullerton | FedEx Freight | NYC Department of Transportation | Ventura County Fire Department |
| City of Glendale | FedEx Ground | NYC, Department of Sanitation | Walmart |
| City of Hermosa Beach | FedEx Services | NYC, Department of Transportation | Warner Brothers Studios |
| City of Indio | Fiat Chrysler Automobiles | NFI | Washington State Department of Enterprise Services |
| City of Laguna Beach | First Energy Systems | Northrop Grumman Corporation | Werner Enterprises |
| City of Las Vegas | Food Express Inc | Norwalk Transit System | Worley & Obetz, Inc. |
| City of Long Beach | Foothill Transit | Orange County Sanitation | Yale University |
| City of LA Dept. of Transportation | Forest Preserve District, DuPage County | Orange County Transportation Authority | |
| City of LA, Bureau of Sanitation | Frito-Lay, Inc. | Pacific Gas & Electric Company | |
| City of LA, Dept. of General Services | Gemini Motor Transport | Palm Springs USD | |
| City of Medicine Hat | General Services Administration | PASCO Electrical Contractors | |
| City of Moline | Georgia Public Service Commission | Pasco County Schools | |
| City of Montebello | GOH Express, Inc. | Penske Truck Leasing | |
| City of Mountain View | Gonzalez Logistics, Inc | PepsiCo | |
| City of Ontario | GPEKS | Peterson Bros Construction | |
| City of Philadelphia | Green Rhino Logistics LLC | Phoenix Cars | |
| City of Pomona | Grupo Energeticos | Postal Fleet Services, Inc. | |
| City of Redondo Beach | Harris Ranch | | |
| City of San Diego | Hawai'i Electric Light | | |
| City of San Fernando | Hawaii Logistic Services | | |

Keynote Speakers

KEYNOTE: Tuesday, May 2 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.



"ACT Expo is phenomenal. I can't tell you how many people I've spoken to in the last few days that have technology we haven't even heard of that we could have some practical application for almost immediately. It's been a very, very positive experience."

Vic LaRosa
CEO & President
Total Transportation Services, Inc



ACT TALK ONE-ON-ONE: Tuesday, May 2 Mike Casteel

UPS Director of Fleet Procurement Mike Casteel 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. Casteel 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. Casteel confirmed that UPS has invested more than \$700 million in their alternative fuels program, with about 10% 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 challenged. 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. Casteel 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. Casteel 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.



"We come to ACT Expo to network with other fleets operating alternative fuel vehicles, so we can find out what their experiences are, what we can learn from them, and what they can learn from us."

Marty Mitchell
Director of Fleet Maintenance
Athens Services

URBAN MOBILITY KEYNOTE: Wednesday, May 3 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.



Agenda Highlights

To view the full 2017 agenda, download the conference program at www.gladstein.org/gna-conferences/act-expo-2017

ACT Expo Fleet Awards



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 AFVs.

2017 Winner: FortisBC Energy Inc.



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.



Jim Mele
Editor-in-Chief
Fleet Owner



Mike Britt
Director of Maintenance
& Engineering
UPS



David Meisel
Senior Director of Transportation
Services & Aviation Services
Pacific Gas & Electric



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



Fleet Owner "Green Fleet of the Year" Award

To view the full 2017 agenda, download the conference program at www.gladstein.org/gna-conferences/act-expo-2016

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 jobs 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 Piotrowski, 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 spike 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..

"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.

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.



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!



Co-Located Events

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 6x2 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.



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



CALIFORNIA HYDROGEN BUSINESS COUNCIL

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. Seaports 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.



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.



BSR®

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

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 also 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.



Electrification Coalition

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.

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

SAVE THE DATES



April 30 – May 3, 2018
Long Beach Convention Center

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