



# ACT EXPO

May 4-7, 2015 | Dallas, TX  
Kay Bailey Hutchison Convention Center

## The Largest Clean Fleet Event

### All Alternative Fuels & Weight Classes

# EVENT SUMMARY

The 2015 Alternative Clean Transportation (ACT) Expo in Dallas demonstrated the incredible continued momentum taking place across the clean transportation industry. Dozens of leading fleets—including Anheuser-Busch, Bimbo Bakeries, Coca-Cola, Con-Way, Dallas Area Rapid Transit, FedEx, Frito-Lay, Nestlé, Penske, Ryder System, UPS, and Waste Management, among many others—shared why they were forging ahead with alternative fuels despite the recent dip in oil prices. UPS, for example, followed up its announcement about purchasing 1,400 new CNG tractors and 15 CNG fueling stations with the news that it will use Clean Energy's Redeem brand renewable natural gas (RNG) in its fleet, making UPS the largest user of landfill-sourced RNG in the U.S. shipping industry.

The news at ACT Expo confirmed that fleet operators across the US are tuning in to the ever-expanding range of alternative fuel and efficiency options to lower vehicle emissions, while also benefiting from reduced costs for fuel and maintenance. ACT Expo showcased the latest technologies available, hosting more than 30 product debuts throughout the four-day show. Check out the exciting recap on pages 5 to 7.

*"Definitely the best ACT Expo yet!"*



With fleet operators increasingly recognizing that there is not a one-size-fits-all solution to clean transportation, the most exciting part of the 2015 ACT Expo was the support it garnered from the industry's leading clean transportations spanning all alternative fuel types, weight classes, and efficiency measures. This year's program was hosted in partnership with the Propane Education & Research Council, the Electric Drive Transportation Association, NGV Global, Trucking Efficiency, the North American Council for Freight Efficiency, the Technology & Maintenance Council, the U.S. DOE Clean Cities team, U.S. EPA SmartWay program, the American Gas Association, Business for Social Responsibility, and WTS International, further cementing its role as the largest and most prominent clean fleet event.

We invite you to save the dates for next year! Set for May 2-5, ACT Expo 2016 will return to the Long Beach Convention Center in Southern California with an even greater focus on transportation electrification, burgeoning hydrogen fuel cell infrastructure, renewable fuels, and advanced technologies such as autonomous trucks and vehicle platooning.



9  
industry events

30+  
product debuts & announcements

52  
vehicles for display and ride & drive

44  
endorsing orgs & media partners

500+  
news articles in media outlets

150+  
industry speakers

233  
sponsors and exhibitors

PRESENTING SPONSORS



EVENT PARTNERS



# 2015 Sponsors

The organizers of ACT Expo 2015 would like to thank the following organizations for their support in making the show a tremendous success.

## Presenting Sponsors



## Platinum Sponsors



Rental | Leasing | Logistics



## Gold Sponsors



## Silver Sponsors



## Luncheon Sponsor



## Kickoff Reception Sponsor



## Breakfast Sponsor



## Ride & Drive Sponsor



## Lanyard Sponsor



## Tote Bag Sponsor



## Pen Sponsor



## Name Badge Sponsor



## Charging Station Sponsor



## Mobile App Gold Sponsor



## Session Sponsors



## Media Partners



## Endorsing Organizations





# Product Debuts and Announcements



Margo Oge, former Director, Office of Transportation Air Quality, United States Environmental Protection Agency, hosted a book signing during the Women in ACT Summit for her newly released book, "Driving the Future: Combating Climate Change with Cleaner, Smarter Cars."



Exotic Automation & Supply, a premier Parker Hannifin distributor, announced the launch of [www.cng.exoticautomation.com](http://www.cng.exoticautomation.com), an ecommerce website designed to provide fleet operators with a convenient way to purchase genuine OEM replacement CNG, LPG & LNG maintenance products.

North American Repower unveiled a dedicated-CNG truck with 7.6-liter spark-ignition engine and fuel tanks and assembly by CNG Cylinders International.



ClipperCreek debuted its new LCS-20P plug-in electric vehicle Level 2 charging station, now available with four NEMA plug styles for just \$395.



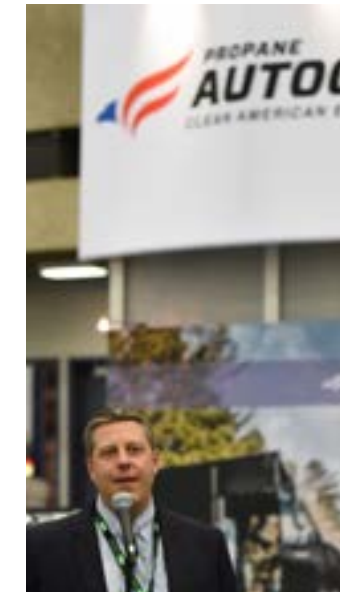
XL Hybrids announced 10 million customer miles driven using the XL3 Hybrid Electric Drive System in their service, delivery and passenger fleets.



Quantum Technologies showcased its new back-of-cab and frame rail CNG Fuel Systems equipped with Q-Lite, the lightest CNG tank in the world.



Engineered Machine Products debuted their fully integrated controllable Brushless Electric Oil Pump (OPi40).



Alliance AutoGas unveiled the first-ever EPA-compliant, OEM quality Dieselblend propane autogas fuel system for medium- and heavy-duty vehicles, displayed onsite in a Volvo D13/MackMP8 truck.



Parker introduced a breakthrough CNG fuel management module for 5- to 12-liter engines and two products that set the new standard in CNG fleet fuel dispensing.

Ford unveiled two new alternative fuel vehicles—the F-150 Impco Fuel System, Propane Autogas and the F-150, CNG.

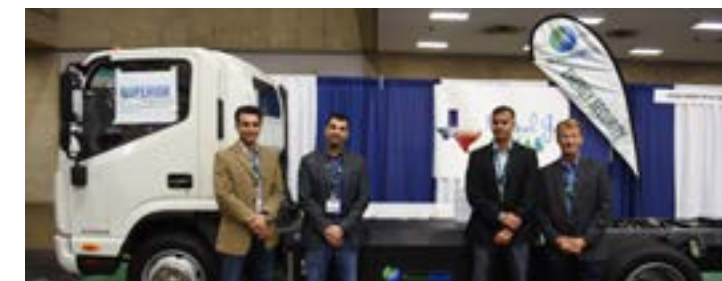


Bauer Compressor debuted its Model M-Series Duplex CNG System, which combines two Model C23.2 compressor units with two TEFC high efficiency 50 HP motors, an inlet buffer tank, and a vapor recovery tank on one in-line skid.



BSR's Future of Fuels released a series of fuel sustainability briefs that summarize the market outlook, key issues, and sustainability potential for five fuel categories: petroleum, natural gas, biofuels, electrification, and hydrogen.

Rush Enterprises introduced Momentum Fuel Technologies—the industry's first total solution for compressed natural gas (CNG) fuel systems for Class 6-8 vehicles in North America.



Superior Transportation Solutions debuted the new G-Series product line from Greenkraft Inc., an OEM manufacturer of alternative fuel based cab-forward medium-duty trucks for classes 4-7.



Landi Renzo USA announced the planned release of their most technologically advanced Electronic Pressure Regulator and a CARB-certified dedicated CNG system on the 2016 model year Ford F-250/350 6.2L pickup/bed delete/cab chassis.





Cummins Westport unveiled a new 6.7L natural gas engine for the on-road transportation market.



Optimum Composite Technologies debuted a new versatile CNG tank with multiple port sizes, which is now certified to ANSI's NGV2 standard for compressed natural gas vehicle fuel containers and meets the US DOT's FMVSS 304 standard.



The North American Council for Freight Efficiency (NACFE) released the results from its 2015 Fleet Fuel Study detailing how 14 major North American fleets are improving fuel efficiency with advanced technologies.



WireTough debuted their latest technology advancements: an ASME-compliant 13,000 psi ground storage solution for hydrogen and a 4,500 psi ground storage solution for compressed natural gas (CNG) filling stations.



Clean Energy Fuels founder T. Boone Pickens (center) celebrates a new fueling agreement with UPS, in which UPS will become the largest user of Clean Energy's Redeem renewable natural gas in the US shipping industry.



Denso unveiled their Heavy Duty's PowerEdge, a highly efficient alternator with an advanced high performance design and road tested durability along with an update from DENSO Heavy Duty Senior Manager Frank Jenkins.

Hundreds of media articles flooded news stands and inboxes leading up to, during, and after ACT Expo 2015. With 17 official media partners, including platinum sponsor Fleet Owner, and dozens of media outlets in attendance, ACT Expo received more media coverage than ever before.



ACT Expo secured media partnerships and received coverage from dozens of news outlets, including:



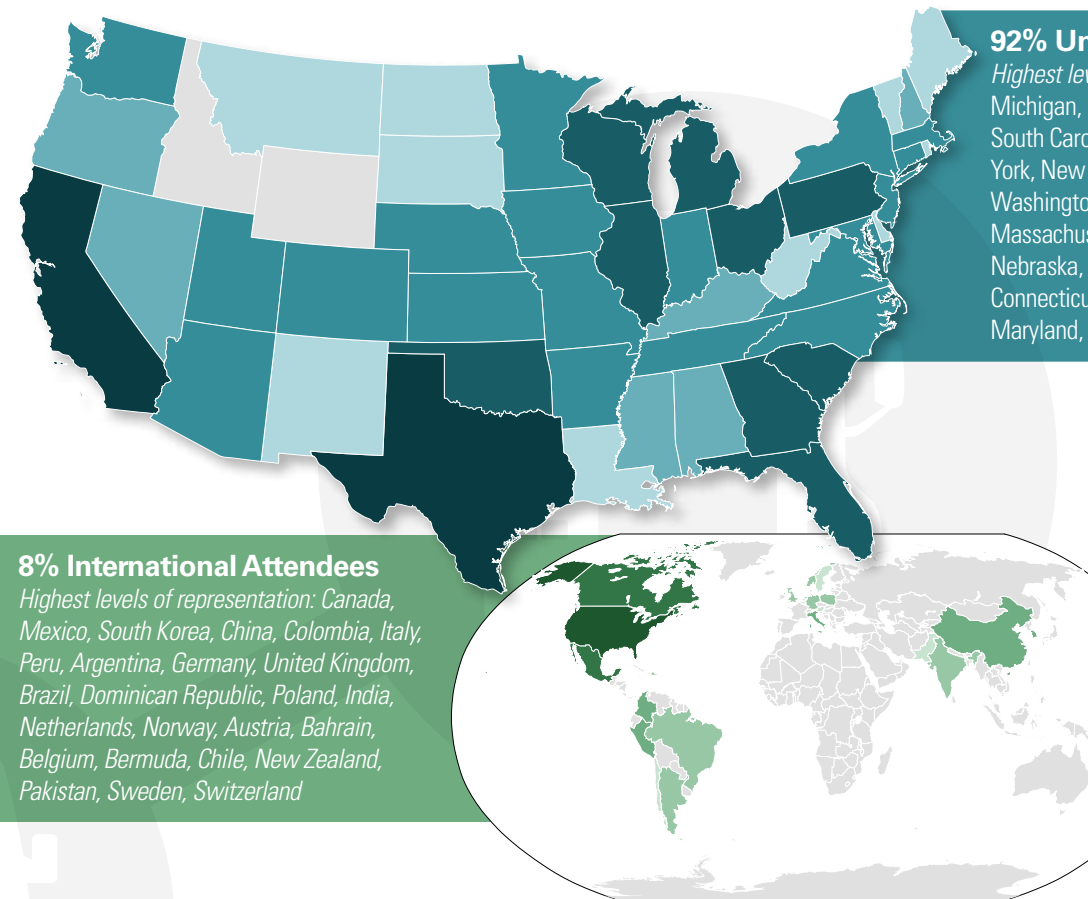
Get an inside glimpse into the exciting events that took place:

- [Wednesday, May 6 Issue »](#)
- [Thursday, May 7 Issue »](#)

Published daily at ACT Expo in Dallas!



## Geographic Representation of Attendees



*"ACT Expo was an informative conference, with lots of networking opportunities with both peers and vendors."*

**Great contacts!**

City of Dallas

## Hundreds of leading public and private fleet operators attended ACT Expo 2015, including:

- AAA
- Abastible
- Advanced Disposal
- Air Products and Chemicals
- ALOG Corporation
- Alvin ISD Transportation Center
- Andrews Distributing Co.
- Anheuser-Busch
- Apache Corporation
- Aramark
- ARI
- Arvig Communications Systems
- Astelco
- Atmos Energy
- Austin Energy
- B&H Construction
- Berokoff Energy Solutions
- Bimbo Bakeries
- Blue Ridge Community College
- Boerne ISD
- Boyer Inc.
- Bryn Mawr College
- Building Products Transport
- C F Batson Swan Ltd
- C&S Wholesale Grocers/ES3
- C.A.T. Inc.
- C.R. England
- California Cartage Company
- California Department of General Services
- carbonBLU
- Carburagas SA de CV
- Casella Waste Systems
- Central Freight Lines
- City & County of San Francisco
- City of Asheville
- City of Dallas
- City of Denton
- City of Fort Worth
- City of Houston, Fleet Management Department
- City of Indianapolis, Indiana
- City of Keller
- City of Los Angeles
- City of Loveland
- City of Midwest City
- City of North Richland Hills
- City of Oakland Public Works Department
- City of Roanoke
- City of San Antonio
- City of Seattle
- City of Tyler
- Coca-Cola Refreshments USA
- Collin County
- Consolidated Edison of New York
- Con-way Truckload
- Cook Illinois Corporation
- Core-Mark
- Cox Enterprises
- Crop Production Services
- Dakota County
- Dallas Area Rapid Transit (DART)
- Dallas County
- Dallas County Schools
- DanCar Group
- Dart Transit Co.
- Dean Foods Company
- Dillon Transport
- Dish Network
- Dometic USA
- Douglass Distributing
- E320 LLC
- Element Fleet Management
- ELM Energy
- Emerson
- Emterra
- Enbridge Gas Distribution
- Enerpulse
- Enterprise Fleet Management
- Express Mondor
- FedEx
- Ferrara Brothers Building Materials
- Ferus
- First Choice Medical Supply
- Frito-Lay
- Gas Imperial Mexicano
- Gas Natural de Juarez
- GASCOMB
- Gemini Motor Transport
- Georgia Power Company
- Global High Management S.C.
- Granbury ISD
- Groupe Robert
- Grupo Imperial
- Grupo Transportes Monterrey
- Hawai'i Electric Light
- Headwaters Resources
- Hoosier Energy
- Hutchinson Oil
- Intertek Testing Services
- Ivan Smith Furniture
- J.B. Hunt Transport
- Jack B. Kelley | A KAG Highway Subsidiary
- JP Energy
- KALM Services, LLC
- Kenco
- Kroam Transportation
- Landstar Global Logistics
- Lattimore Materials Company
- Lennox Industries
- Liberty Utilities
- LongHaul Trucking
- LRC 406
- LSO
- Malone Trucking
- MasterLease, LLC
- Matera Paper Co
- Matheny Motor Truck Co.
- Matheson Trucking Inc.
- McKee Foods Transportation
- McKesson Corporation
- McLane Foodservice/Vantix Logistics
- Metro Urgent Ltd
- Montgomery County, Maryland
- Mutual Materials Company
- Nestle Waters North America
- New York City Department of Sanitation
- New York City Department of Transportation
- NFI
- North Texas Municipal Water District
- Northeast Waste Solutions
- Northwest Propane
- Novus Wood Group, LP
- NuBlu
- Oklahoma City Community College
- Oklahoma Department of Transportation
- Oldcastle
- Oncor Electric Delivery
- OnCue Express
- Oxford Engineering Company
- Ozinga
- Pacific Gas and Electric
- Paper Transport Inc
- PAR Electrical Contractors
- Penske Truck Leasing
- PepsiCo
- Pioneer Natural Resources
- Pizanos LLC
- PNMR
- Potelco Inc.
- Progressive Waste Solutions
- Puget Sound Energy
- Quanta Services
- Rainier Guest Services
- Raven Transport
- Red Oak Independent School District
- Rogers Group
- Rooms To Go
- Ryder System, Inc
- Sacramento Municipal Utility District
- Saddle Creek Transportation
- Saia LTL
- Salt River Project
- Satco
- Schwarz Ready Mix
- Sentinel Transportation
- Sheehy Mail Contractors
- Shippers Express Truck Lines, Inc.
- Soft Stuff Distributors
- Southern California Gas Company
- Southlake Carroll ISD
- Southwest Gas Corporation
- Southwestern Energy
- Spring Branch Independent School District
- Stabilis Energy
- Steel Warehouse International
- Student Transportation of America
- TDIndustries
- Texas Department of Public Safety
- Texas Department of Transportation
- Texas Disposal Systems
- Texas Security Bank
- The City of Midwest City
- The Gas Connection/Cenergy Solutions
- The Made-Rite Company
- The Parking Spot
- The Rustbelt Group
- The University of Texas at San Antonio
- Total Truck N Gas
- Transit Authority of River City (TARC)
- Transportadora Fuentes S.A. de C.V.
- U.S. Air Force
- UBCR
- Univar USA Inc
- UPS
- US Bank Voyager
- Utz Quality Foods, Inc.
- VG Express
- VIA Metropolitan Transit
- Walmart
- Warrior Logistics, Inc.
- Waste Industries
- Waste Management
- Werner Enterprises
- Wichita Paclease
- Yale University

## 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
- 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



# Highlights from the Expo Hall

*"As a company looking for alternative fleet options, ACT Expo gave me great information on fueling and technologies."*



*"I saw a lot of new product ideas at ACT Expo!!"*



*"I made so many connections with other people in my field!"*



*"ACT Expo proved that petroleum prices are not holding back the serious players in the alternative fuel industry."*



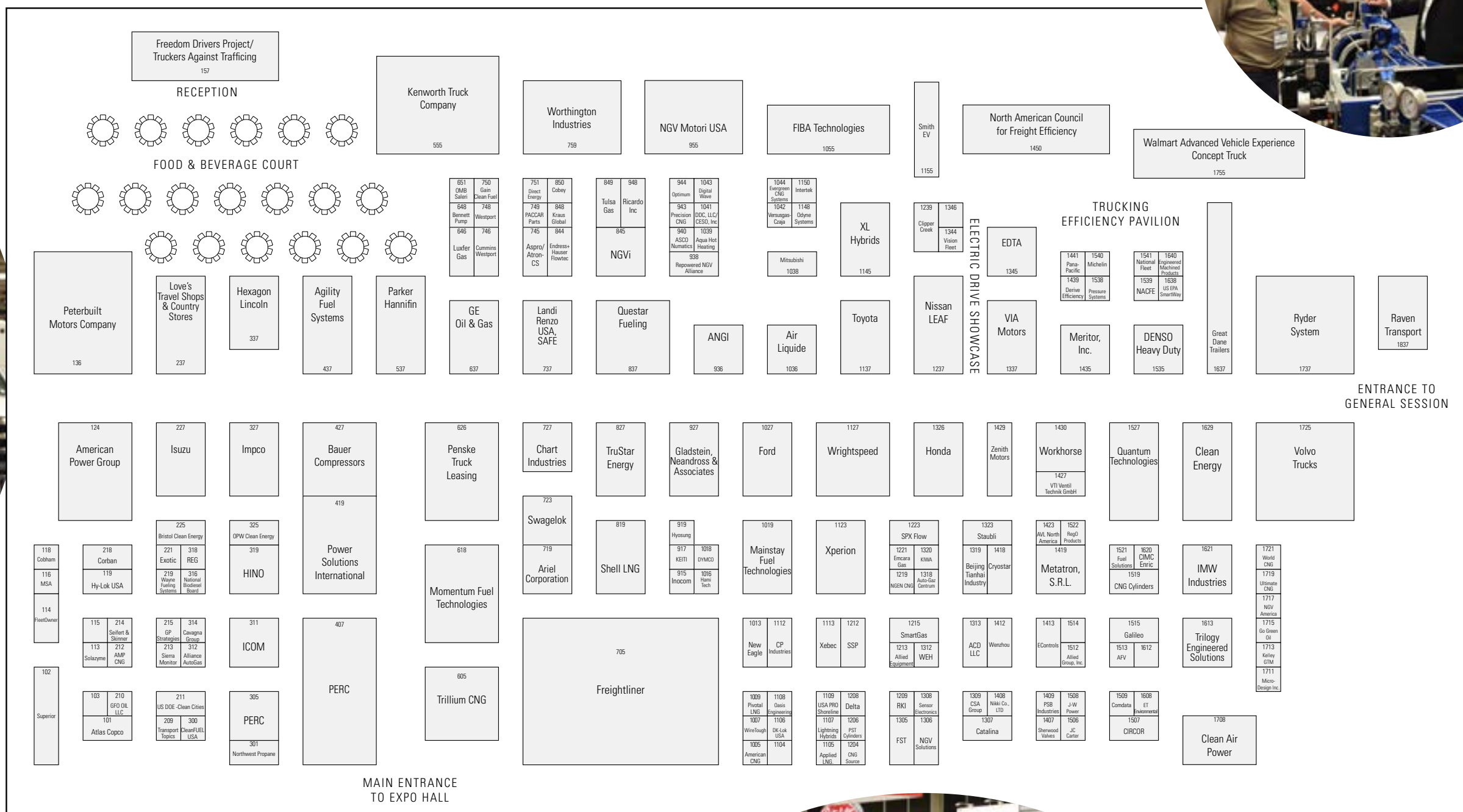
*"ACT Expo was very organized and featured a lot of new technologies focused on natural gas and addressing key issues in fleets."*





# Highlights from Expo Hall

The industry's leading fueling, equipment, and technology providers took over the **Kay Bailey Hutchison Convention Center for ACT Expo 2015**. Attendees explored the wide range of clean transportation solutions for all vehicle applications, weight classes and alternative fuel types—including natural gas, propane autogas, electric, hybrid, hydrogen, DME, clean diesel, and renewable fuels.



*"ACT Expo is always an impressive show. The show enabled us to meet with people and decide on the correct partnerships, as well as network with other fleet operators in our situation."*





# Expo Hall Exhibitors

Booth	Company	Booth	Company	Booth	Company
<b>A</b>					
1313	ACD LLC	1519	CNG Cylinders International	750	GAIN Clean Fuel
1513	AFV Natural Gas Fueling Systems	1204	CNG Source	1515	Galileo Technologies
437	Agility Fuel Systems	850	Cobey	1719	Gas Technology Institute
1036	Air Liquide	118	Cobham	637	GE Oil & Gas
312	Alliance AutoGas	1509	Comdata	210	GFO Oil LLC
1213	Allied Equipment	218	Corban Energy Group	927	Gladstein, Neandross & Associates
1512	Allied Group, Inc.	1112	CP Industries	1715	Go Green Oil
1005	American CNG	1418	Cryostar	215	GP Strategies
1326	American Honda Motor Company	1309	CSA Group	1637	Great Dane Trailers
124	American Power Group	327	CUBOGAS	<b>H</b>	
212	AMP CNG	746	Cummins Westport	1016	Hami Tech
936	ANGI Energy Systems	<b>D</b>		337	Hexagon Lincoln
1105	Applied LNG	1041	DDC, LLC / CESO, Inc.	319	HINO Trucks
1039	Aqua-Hot Heating	1208	Delta Products Corporation	119	Hy-Lok USA
719	Ariel Corporation	1535	DENSO Heavy Duty	919	Hyosung
940	ASCO Numatics	1439	Derive Efficiency	<b>I</b>	
745	Aspro/ATron-CS	1043	Digital Wave Corporation	311	ICOM North America
101	Atlas Copco Compressors	751	Direct Energy Business	327	Impco Automotive
1318	Auto-Gaz Centrum	1106	DK-Lok USA	1621	IMW Industries
1423	AVL North America	1018	Dymco	915	Inocom
<b>B</b>					
427	Bauer Compressors	<b>E</b>		1150	Intertek
1319	Beijing Tianhai Industry	1413	EControls by Enovation Controls	227	Isuzu Commercial Truck of America
648	Bennett Pump Company	1345	Electric Drive Transportation Association	<b>J</b>	
225	Bristol Clean Energy	1221	Emcara Gas Development Inc.	1508	J-W Power
<b>C</b>					
1307	Catalina Composites	844	Endress+Hauser Flowtec	1506	JC Carter
314	Cavagna Group	1640	Engineered Machined Products	<b>K</b>	
1345	CHARGED Magazine	1608	ET Environmental	917	KEITI
727	Chart Industries	1044	Evergreen CNG Systems	1713	Kelley GTM Manufacturing, LLC
1620	CIMC Enric SJZ Gas Equipment, Inc.	221	Exotic Automation & Supply	555	Kenworth Truck Company
1507	CIRCOR Energy	<b>F</b>		1320	KIWA
1708	Clean Air Power	1055	FIBA Technologies	915	Korean Association for Natural Gas Vehicles
1629	Clean Energy	114	Fleet Owner	848	Kraus Global
300	CleanFUEL USA	1027	Ford Motor Company	<b>L</b>	
1239	ClipperCreek, Inc	157	Freedom Drivers Project	737	Landi Renzo USA
		705	Freightliner Custom Chassis	1107	Lightning Hybrids
		705	Freightliner Trucks	237	Love's Travel Stops and Country Stores
		1521	Fuel Solutions, Inc.		
		1305	Fueling and Service Technologies (FASTECH)		

Booth	Company	Booth	Company	Booth	Company
646	Luxfer Gas Cylinders	1538	Pressure Systems International	<b>U</b>	
<b>M</b>					
1019	Mainstay Fuel Technologies	305,	Propane Education & Research	1719	Ultimate CNG
1435	Meritor, Inc.	407	Council (PERC)	211	US Department of Energy-Clean Cities
1419	Metatron S.R.L.	1409	PSB Industries	1638	US EPA SmartWay
1540	Michelin, NA	1206	PST Cylinders	1109	USA PRO Shoreline Technology LLC
1711	Micro-Design Inc.	<b>Q</b>		<b>V</b>	
1038	Mitsubishi Motors North America	1527	Quantum Technologies	1042	Versusgas-Czaja
618	Momentum Fuel Technologies	837	Questar Fueling	1337	VIA Motors
116	MSA	<b>R</b>		1344	Vision Fleet
<b>N</b>					
316	National Biodiesel Board	1837	Raven Transport	1725	Volvo Trucks
1541	National Fleet Tracking	1522	RegO Products	1427	VTI Ventil Technik GmbH
845	Natural Gas Vehicle Institute (NGVi)	318	Renewable Energy Group (REG)	<b>W</b>	
1013	New Eagle	938	Repowered NGV Alliance LLC	1755	Walmart Advanced Vehicle Experience Concept Truck
1219	NGEN CNG Fuel Systems & Services by McNeilus	948	Ricardo Inc.	219	Wayne Fueling Systems
1717	NGV America	1209	RKI Instruments, Inc.	1312	WEH Technologies
955	NGV Motori USA	1737	Ryder System, Inc.	1412	Wenzhou Blue Sky Electronic Equipment Limited Company
1306	NGV Solutions	<b>S</b>		748	Westport
1408	Nikki Co., LTD	737	SAFE	1007	WireTough Ground Storage
1237	Nissan LEAF	214	Seifert and Skinner & Associates	1430	Workhorse Trucks
1450,	North American Council for Freight Efficiency (NACFE)	1308	Sensor Electronics	1721	World CNG
1539	Northwest Propane Gas Co.	819	Shell LNG	759	Worthington Industries
301		1407	Sherwood Valve	1127	Wrightspeed
<b>O</b>					
1108	Oasis Engineering	213	Sierra Monitor Corporation	<b>X</b>	
1148	Odyne Systems	1215	SmartGas	1113	Xebec Adsorption Inc.
651	OMB Saleri	1155	Smith Electric Vehicles	1145	XL hybrids
944	Optimum Composite Technologies	113	Solzzyme	1123	Xperion
325	OPW Clean Energy Fueling Products	1223	SPX Flow Technology	<b>Z</b>	
<b>P</b>					
749	PACCAR Parts	1212	SSP	1429	Zenith Motors
1441	Pana-Pacific	1323	Staubli		
537	Parker Hannifin	102	Superior Transportation Solutions		
626	Penske Truck Leasing	723	Swagelok		
136	Peterbilt Motors Company	<b>T</b>			
1009	Pivotal LNG	1137	Toyota Motor Sales		
419	Power Solutions International	209	Transport Topics		
942	Precision CNG	605	Trillium CNG		
		1613	Trilogy Engineered Solutions		
		157	Truckers Against Trafficking		
		827	TruStar Energy		
		849	Tulsa Gas Technologies		



# Keynote and Featured Speakers



## KEYNOTE: TUESDAY, MAY 5

Frito-Lay North America executive Gregg Roden shared his fleet operation's "performance with purpose" philosophy in front of a packed audience on Tuesday, May 5. The \$13 billion convenient foods division of PepsiCo has already eliminated more than 500,000 gallons of diesel fuel each year through its use of nearly 300 electric delivery trucks, 200+ compressed natural gas (CNG) trucks, 650 hybrid sales cars, a growing fleet of propane autogas and biodiesel vehicles, and expanding alternative fueling and charging station infrastructure.

What's driving their success? According to Roden, it's the adoption and support from the people on the front lines of their fleet operations—including RSR's, maintenance staff, and AFV drivers. As he ended his keynote, he asked his several dozen of his staff members seated in the audience to stand, acknowledging that these were the people who truly deserved applause for helping ensure the company was closer to meeting its 2017 goal of reducing greenhouse gas emissions by 50 percent.



**Gregg Roden**

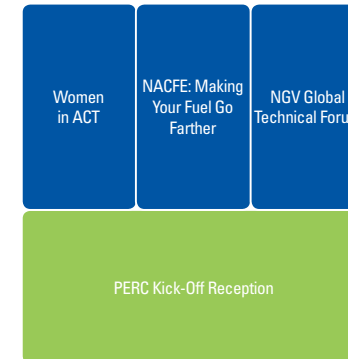
Senior Vice President of Productivity Sustainability



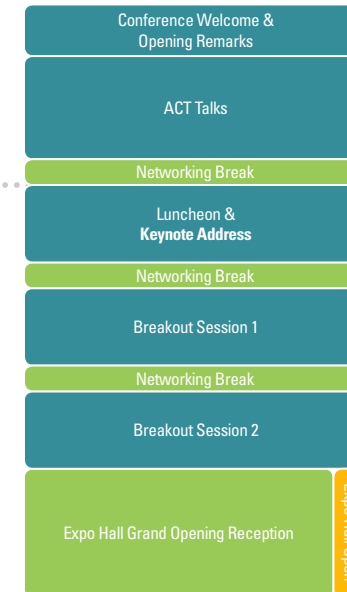
## MONDAY, MAY 4

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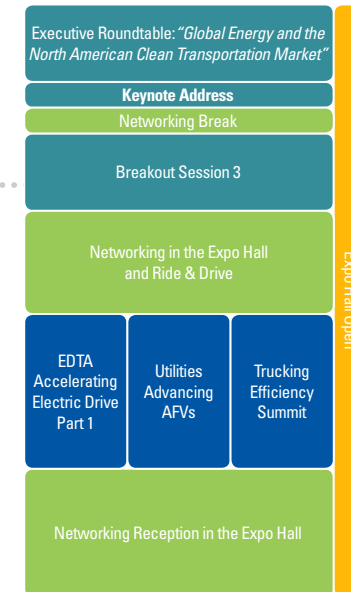
PM



## TUESDAY, MAY 5



## WEDNESDAY, MAY 6



## THURSDAY, MAY 7



- General Alt. Fuel & Clean Tech Sessions
- Clean Transportation Workshops & Forums
- Networking Opportunities
- Expo Hall Access

Note: Agenda is preliminary and subject to change

*"The keynote speakers were excellent!"*



**4 days**  
of fleet-focused  
educational  
sessions

Transportation industry leaders from around the world presented throughout the four-day program on the key fueling, equipment, technology, and policy advancements driving the future of sustainable transportation. Attendees heard the latest updates on all alternative fuels and clean vehicle technologies—including natural gas, propane autogas, electric, hybrid, hydrogen, DME, clean diesel, and renewable fuels—for all vehicle applications and weight classes.



**David Steiner**  
President and Chief Executive Officer



## KEYNOTE: WEDNESDAY, MAY 6

Waste Management CEO David Steiner offered attendees a chance to "travel back in time" to hear the lessons that his team has learned since deploying its first CNG refuse trucks in 1992. After starting his keynote with a clever JibJab-style video, he went on to detail how Waste Management had remained committed to reducing its dependence on oil—continuing to invest in trucks, infrastructure, and employee training despite its early adverse experiences with vehicle dependability and the recent drop in oil prices.

Today more than 25% of Waste Management's fleet runs on natural gas (4,100+ refuse trucks), allowing the company to offset 8,000 diesel gallon equivalents for every NGV, and reducing its CO2e emissions by more than 1.7 million tons. In addition to being a national trailblazer in NGV deployment, the company operates 75 natural gas filling stations and is also leading the charge in renewable natural gas (RNG) market development by converting waste from its Altamont, California, and Milam, Illinois, facilities into natural gas to fuel its fleet.



**T. Boone Pickens**

Founder, Chairman and Chief Executive Officer



## FEATURED SPEAKER: TUESDAY, MAY 5

As ACT Expo 2015 kicked off, attendees had the opportunity to hear from one of the greatest American businessmen and arguably the most recognized name in the energy sector—T. Boone Pickens, or the "Oracle of Oil" as he has sometimes been called. With the industry still buzzing about the recent plunge in oil prices, Pickens assured the audience that volatile oil prices only strengthen the business case behind domestic alternative fuels.

"Since 1980, I've seen six of these collapses in the price of oil," shared Pickens, predicting that per-barrel prices would return to \$70 by year-end and hit \$90 by the end of next year. With domestic natural gas under \$4 and predicted to remain low for decades to come, Pickens shared that forward-thinking fleets that stay the course and truly understand the fundamentals of energy will be the most successful over the long-term.



## Case studies: Lessons from dozens of public and private AFV fleet operators.

Throughout the four-day show, leading public and private fleet managers shared how they determine 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. From package delivery services, to neighborhood utilities, waste disposal fleets, long-haul carriers, and more, attendees gained insight on how to reduce fuel costs and emissions. Case studies were presented by dozens of fleet operators, including:



### FEATURED FLEET PRESENTERS:



**Elizabeth Fretheim**  
Director of Logistics  
Sustainability



**Mike Whitlatch**  
Vice President, Global  
Energy and Procurement



**Mayor Gregory Ballard**  
City of Indianapolis



**Drew Cullen**  
SVP of Fuels and Facilities  
Services, VP of Energy and  
Telecommunication Services



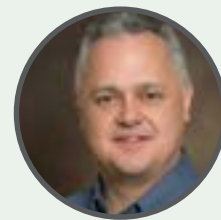
**Gary Thomas**  
President &  
Executive Director



**Scott Perry**  
VP, Supply Management  
& Global Fuel Products



**Billy Lawder**  
Director of Transportation  
Engineering



**Mike DelBovo**  
President



**David Porter**  
Commissioner



Attendees learned how Texas is leading the clean transportation charge with the recent filing of Senate Bill 12, which will provide financial incentives for state agencies, counties, and cities to purchase alternative fuel vehicles.

This new legislation is aimed at providing a roadmap for other states to follow to transition their fleet vehicles from gasoline and diesel to cleaner, cheaper domestic alternatives.

*"I left ACT Expo with exceptional knowledge about the direction of alternative fuels industry and what is in store for us moving forward."*



Attendees heard from some of the largest vehicle and equipment manufacturers about how the clean transportation market is evolving and what exciting new products are in store for the future.



**Susan Alt**  
SVP, Public Affairs



**Rusty Rush**  
Chairman of the Board,  
President, and CEO



**Mike Reding**  
VP, Sales Support and Internal  
Operations





# Industry Partner Workshops & Events



## Trucking Efficiency Workshops

Trucking Efficiency is a combined effort of the North American Council for Freight Efficiency (NACFE) and the Carbon War Room. On May 4, the half-day Making Your Fuel Go Farther workshop explored the benefits and challenges of efficiency technologies for Class-8 tractor trailers, including 6x2 axles, idle-reduction solutions, electronic transmissions, engine parameters, tire pressure, and down speeding. During the May 6 summit, expert speakers took a deeper dive into advanced powertrain and efficiency technologies that are improving fuel economy for heavy-duty trucking operations across the nation. Plus, attendees were the first to hear results from NACFE's 2015 Fleet Fuel Study.



## Women in ACT Summit

The Women in ACT Summit showcased female leaders and companies that are shaping the future of clean transportation by laying a solid foundation for women's access to leadership positions across the transportation industry. Industry experts discussed the ways in which women lead differently, the bottom-line benefits from promoting greater diversity in corporate leadership, and how to grow and maintain visibility in a male-dominated industry.

During the Summit, Margo Oge, former director of the Office of Transportation Air Quality with the U.S. Environmental Protection Agency, hosted a book signing for her newly released book, "Driving the Future: Combating Climate Change with Cleaner, Smarter Cars."

Following the conclusion of the event, Ford unveiled a new gaseous-prep version of its 5.0 liter spark-ignition V-8 engine for 2016, making it the only CNG/propane-capable half-ton pickup on the market.

*"I was very impressed by the presentations and breakout sessions. The content was very informative and the attendees were quite interested and involved."*



## NGV Global Technical Forum

NGV Global invited industry leaders from the burgeoning North American natural gas market to share their insight into technical issues related to NGVs. Attendance at this year's forum even exceeded that of 2014, when NGV Global officially co-located their conference with ACT Expo. The topics addressed in this engaging roundtable discussion helped NGV Global define its technical objectives and priorities for the coming year.





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## Expand Your Utility Business: AFV Market Development

Participants in this hands-on utility focused workshop gained insight from leading utility service providers on how to reduce a fleet's fuel costs and emissions, as well as how to engage fleets in their service territory to expand the use of alternative fuels—including outreach and education programs, specific service tariffs, policy initiatives, and incentive programs.



## BSR Future of Fuels Forum

BSR hosted its second annual Future of Fuels Forum at ACT Expo to facilitate the science and next-generation practice of measuring the sustainability impacts of transportation fuels. This half-day workshop focused on the environmental, social, and economic impacts of a wide range of fuels, including petroleum, natural gas, biofuels, electrification, and hydrogen. The discussions from this session will be used to inform the Sustainability Fuel Tool being developed by Future of Fuels.



## Accelerating Electric Drive Workshops

EDTA's multi-part workshops provided an overview of the current burgeoning EV market, the future of electric drive technologies informed by leading fleet deployment success stories, a look into current efforts to advance the use of hydrogen fuel cells and best practices for vehicle integration into existing fleets, as well as a showcase of the latest electrification technologies available for a variety of commercial vehicle applications.



*“ACT Expo is definitely an event I would recommend to other fleet professionals. What I found to be most educational was the fuel economics.”*



## Natural Gas Project Development Workshop

Attendees gained a better understanding of natural gas project development—from grant funding, equipment selection, and station development, to extreme weather operations, garage modifications, vehicle maintenance and more—in this hands-on workshop led by both equipment providers and experienced fleets.



## Ride & Drive

On Wednesday, May 6, attendees took a spin in advanced technology vehicles representing all alternative fuel types and weight classes.

### Natural Gas

- Honda Civic Natural Gas, CNG
- International 4000 Series Cab Chassis Dry Van, CNG (North American Repower)
- Peterbilt 382 DayCab Tractor (with ISL-G), CNG
- Volvo VNL 64T 300 Tractor, DME
- Hybrid & Electric Drive
- Ford E-450 Hydraulic Hybrid Shuttle Bus (Lightning Hybrid Equipped)
- Honda Fit Electric Vehicle
- Nissan LEAF



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

### Natural Gas

- Chevrolet Express Van, Bi-Fuel CNG (Impco Automotive)
- Ford F-550 6.8L, Bi-Fuel/CNG Truck (Landi Renzo USA)
- Ford Explorer, CNG (OES CNG)
- Freightliner Cascadia Tandem-Axel DayCab Tractor, CNG (Penske Truck Leasing)
- Freightliner Cascadia Tractor, CNG (Questar)
- Freightliner Cascadia Tractor, CNG (Ryder System, Inc.)
- Freightliner Tractor, Severe-Duty Fuel Glider, Dual-Fuel CNG (American Power Group)
- Freightliner 114SD Roll-Off Truck, CNG
- Freightliner Cascadia 113 DayCab Tractor, CNG
- Freightliner Cascadia Tractor, CNG (Mainstay Fuel Technologies)
- Freightliner M2, CNG
- Honda Civic Natural Gas, CNG
- Isuzu NPR-HD Low Cab Forward Truck Chassis, Bi-Fuel CNG
- Kenworth T680 DayCab, CNG
- Kenworth T880 DayCab, CNG
- Kenworth T880 DayCab, CNG
- Thomas Built Bus C2, CNG
- Peterbilt Motors – Walmart Advanced Vehicle Experience Concept Truck (WAVE)
- Peterbilt 337 DayCab Tractor, CNG
- Peterbilt 579 DayCab Tractor, CNG
- Peterbilt 579 DayCab Tractor, CNG (Momentum Fuel Technologies)

- Volvo VNL 64T 300 Tractor, CNG
- Volvo 300 Series DayCab 206 BOC Model Tractor, CNG (Worthington Industries)

### Hydrogen

- Toyota Mirai (FCV)

### Hybrid & Electric Drive

- Chevrolet Express 2500 Hybrid Electric Cargo Van (XL Hybrids)
- Chevrolet Silverado Crew Cab, Extended Range Electric Truck – eRev (VIA Motors)
- Honda Fit Electric Vehicle
- Isuzu NPR, CNG/Hybrid Vehicle (Wrightspeed)
- Mitsubishi Outlander (PHEV)
- Nissan LEAF
- Smith Electric Vehicles Newton All-Electric Truck
- Workhorse Trucks W88 Chassis, EPA-approved E-GEN Electric Drive Train
- Zenith Motors 13-Passenger Electric Shuttle Van

### Propane Autogas

- Alkane Truck Co. Medium Duty Delivery Vehicle, Propane Autogas (PSI)
- Ford F-650 Chassis Cab, Propane Autogas (PERC/Roush CleanTech)
- Ford F-150 Impco Fuel System, Propane Autogas (PERC/Ford Commercial)
- Freightliner Custom Chassis S2G Truck Chassis, Propane Autogas
- Navistar International IC Bus, Propane Autogas (PSI)
- Volvo Tractor w/ 13L Engine, Bi-Fuel Propane Autogas/Diesel (PERC/Alliance Autogas)

## Attendees visited exciting alternative fuel vehicle and infrastructure projects throughout the Dallas area.

### Tour #1

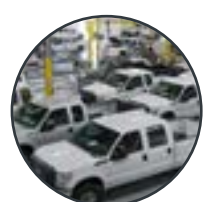
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**Penske Truck Leasing's** Dallas maintenance facility has been outfitted to safely maintain natural gas vehicles—including proper ventilation, gas detection and alarm equipment. Tour attendees had the opportunity to learn more about Penske's full-service alternative fuel truck leasing options—including CNG, LNG, propane autogas, gas- and diesel-hybrids, and electric vehicles.

**Clean Energy Fuels Station** provided attendees the opportunity to see two CNG dispensers and two saturated "green" LNG dispensers in action. This public station displaces nearly one million gallons of diesel per year, serving Dillon Transport and Penske Truck Rental as anchor fleets and more than 20 other fleets spanning heavy-duty trucking, transit, solid waste, and taxi operations. The station was funded in part by the North Central Texas Council of Governments, the Dallas-Fort Worth Clean Cities Coalition, and PAM Transport.

**Westport Innovations** provided attendees a behind-the-scenes look at its 90,000-square-foot light-duty, natural gas vehicle conversion facility. At the facility, Westport installs its WING Power System on Ford vehicles, and subsequently ships them to local dealers using the traditional Ford Transportation System. Westport is an expert on natural gas engine and vehicle technology, and works with global OEMs to facilitate the transition of the transportation industry to this cleaner burning fuel.



### Tour #2

Presented by



**McCommas Bluff Biomethane Facility** is an innovative waste-to-energy facility that can produce up to 15.5 MMCFD or 60,000 GGE per day. The McCommas Bluff landfill gas extraction facility supplies natural gas to Clean Energy's California retail network, making 100% of the natural gas delivered to these sites renewable. Attendees learned how methane is collected from the landfill, undergoes a cleaning process, and is then dispensed into the Atmos pipeline. The facility is owned by Cambrian Energy, a leading landfill gas-to-energy developer with more than 50 projects completed and additional projects in various stages of development.

**Shell's LNG Station at Travel Centers of America** in Dallas features two LNG dispensers integrated into the existing diesel lanes to meet fuel requirement for both Spark Ignited and HPDI engine users. This public station has 18,000 gallons of LNG storage and supports fleets operating out of the Dallas region as well as in the Texas Triangle connecting with Shell's LNG station in Baytown and proposed station in San Antonio.

**Questar Fueling's CNG Station** in Dallas provided attendees an opportunity to see a fast-fill, natural gas, heavy-duty truck fueling station first hand! The station features six fueling lanes with three dual-hose dispensers with both type I and type II nozzles to accommodate all vehicle types, currently providing over 3,300 scfm with three compressors, which can fuel three heavy-duty trucks simultaneously at a rate of 10 GGE/minute each. Questar operates 28 public-access natural gas stations; its Dallas location is open 24 hours per day and serves Frito-Lay as an anchor tenant.





# Off-Site Technical Tours

## Tour #3

Presented by



**Dallas County Schools** is home to the largest propane school bus fleet in Texas, saving an estimated \$1.5 million in fuel costs annually through the use of 560 propane buses. The district operates more than 1,000 additional buses that are mostly powered by B20 engines, furthering its efforts to reduce fuel costs and emissions. DCS combines all its diesel fuel with B100 that it produces from Waste Vegetable Oil (WVO) onsite.



**Love's Travel Stops & Country Stores CNG Station** provided attendees a behind-the-scenes look at Love's brand-new Dallas CNG station, opened in July 2014. The station offers fast-fill CNG for heavy-duty trucks using two high-flow dispensers, as well as a CNG fueling option for traditional autos; total capacity is 1,200 gasoline gallon equivalents per hour. Love's has continued to grow its network of CNG fueling stations since 2012, helping pave the way for an expanded fueling network for over-the-road trucking operations.



**City of Cedar Hill's Government Center** features a solar PV system, a wind turbine, two all-electric Nissan Leaf fleet vehicles, four electric vehicle charging stations, as well as a real-time monitoring system that allows citizens to view the amount of energy generated onsite. This tour stop offered attendees a firsthand demonstration of electric vehicle charging at a public access facility.



*"By the end of the show, I was amazed at how many relevant vendor contacts I made!"*



# SAVE THE DATES!

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