



MIDWEST GREEN TRANSPORTATION FORUM & EXPO 2019

THE BLUEPRINT FOR SUCCESS

MIDWEST GREEN TRANSPORTATION
FORUM & EXPO 2019

SEPTEMBER 18-20, 2019

Marriott Columbus University Area | Columbus, OH

midwestgreentransportation.com

PRESENTED BY:



Clean Fuels Ohio

PRESENTED BY



Clean Fuels Ohio

Established in 2002, Clean Fuels Ohio is a statewide non-profit organization & designated Clean Cities Coalition that is dedicated to improving air quality & health, reduce environmental pollution, strengthen Ohio's economy, & enhance our nation's energy security by increasing the use of cleaner, domestic fuels & energy-saving vehicles & building a statewide network of fueling & charging infrastructure. Learn more at www.cleanfuelsohio.org.

EVENT PARTNER



The Municipal Equipment Maintenance Association (MEMA) works to improve the quality of service in the public sector by providing a forum for the free exchange of experience, technical knowledge, ideas & opinions that enhance the delivery of public services. For more information on MEMA or how to become a member, visit www.memafleet.org.

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AGENDA

WEDNESDAY, SEPTEMBER 18

12:00 PM - 5:00 PM

Registration Opens & Exhibitor Set-Up

1:00 PM - 4:30 PM

Pre-Conference Training: Advanced Fuels and Vehicle Technologies Overview & Analysis Deep Dive (Franklin Ballroom)

- *Real-Time Data for Management Results (1:00 - 2:00 p.m.)*
- *Platforms to Streamline Purchasing: Eliminate RFP's Paperwork, & More (2:15 - 3:15 p.m.)*
- *Data Driven Decision Making: Next Level Fleet Analysis & Planning Tools (3:30 - 4:30 p.m.)*

1:00 PM - 4:30 PM

Smart Mobility Charrette for Local & State Policy Makers, Planners, & Key Stakeholders

- *Smart Mobility Speaker Panel (1:00 - 2:15 p.m.)*
- *Smart Mobility Charrette (2:30 - 4:30 p.m.)*

5:00 PM - 7:00 PM

Opening Reception (Franklin Ballroom)

5:30 - 6:00 PM

2019 Legislator of the Year Award

cleanfuelsohio.org/mwgt-2019-agenda

2019 MIDWEST GREEN TRANSPORTATION FORUM & EXPO

THURSDAY, SEPTEMBER 19

7:00 AM - 5:00 PM

Registration & Expo Opens

2:00 PM - 3:15 PM

Breakout 1

7:00 AM - 8:00 AM

*Continental Breakfast
(Franklin Ballroom)*

3:15 PM - 3:45 PM

*Networking Break/Expo/
Vehicle Display (30 min)*

8:00 AM - 8:15 AM

*Welcome & Opening Remarks
(Franklin Ballroom)*

3:45 PM - 5:00 PM

Breakout 2

8:15 AM - 9:30 AM

*Opening Plenary
(Franklin Ballroom)*

5:30 PM - 7:30 PM

Reception hosted by:

Smart Columbus

Featuring:

Columbus Yellow Cab

170 S Civic Center Drive

Columbus, OH 43215

9:30 AM - 10:00 AM

Networking Break

10:00 AM - 12:00 PM

*Mid-Morning Plenary
(Franklin Ballroom)*

12:00 PM - 12:30 PM

Networking Break/Expo/Lunch Set-Up

12:30 PM - 2:00 PM

*Lunch, Ohio Green Fleet Awards,
Expo/Vehicle Display*

1:00 PM - 1:30 PM

Ohio Green Fleet Awards

FRIDAY, SEPTEMBER 20

8:00 AM - 9:00 AM

Continental Breakfast (Franklin Ballroom)

9:00 AM - 10:15 AM

Breakout 3

10:15 AM - 10:30 AM

Networking Break

10:30 AM - 11:45 AM

Breakout 4

11:45 AM - 12:15 PM

Networking Break/Lunch Set-Up

12:15 PM - 1:45 PM

Lunch & Closing Plenary (Franklin Ballroom)

2:00 PM

End of Conference & Expo

MWGT 2019 BREAKOUT SESSIONS

THURSDAY, SEPTEMBER 19

2:30 PM **Funding Programs for EV Charging**
Gaseous Fuel Vehicles Industry Showcase
Peer Fleet Experiences: Municipal & Vocational

3:45 PM **Light, Medium & Heavy-duty EV Showcase**
Smart Mobility:
Challenges & Opportunities in Changing Landscape

Peer Fleet Experiences:
Data Analytics & Connectivity

FRIDAY, SEPTEMBER 20

9:00 AM **EV Charging Showcase**
Options for Site Hosts

Growing Variety of Renewable Fuel Options

Peer Fleet Experiences: Local & Regional
Freight & Last-Mile Delivery

10:30 AM **EV Public Charging:**
What we need, where we need it, how to get there?

**Shared Solutions to De-carbonize Employer/
Employee Transportation Needs**

**Peer Fleet Experiences: Passenger
Transportation**



SESSIONS & SPEAKERS

WEDNESDAY, SEPTEMBER 18

PRE-CONFERENCE TRAINING

1:30 PM - 4:30 PM

FRANKLIN BALLROOM

Real-Time Data for Management Results (1:00 p.m. – 2:00 p.m.)

From real-time telematics on vehicles, to next generation platforms and tools for streamlining administrative, maintenance, and management processes, this session will feature experts detailing the latest tech and tools for next level fleet management results.

Moderator: Andrew Conley, *Clean Fuels Ohio, Fleet Services Director*

Speakers:

Real-Time Data Management: Megan Allen, *Geotab, EV Solutions Engineering Manager*

Want to learn more about 70+ expert speakers?

Read all of our speakers' bios at:

www.cleanfuelsohio.org/mwgt-2019-speakers

Platforms to Streamline Purchasing: Eliminate RFP's, Paperwork, & More (2:15 p.m. – 3:15 p.m.)

Spec'ing, bidding, buying, maintaining, and selling assets are constants for fleet management. This session features expert presenters detailing the new technologies, resources, and trends available to streamline your processes, eliminate paperwork, and take asset acquisitions to the next level.

Moderator: **Andrew Conley**, *Clean Fuels Ohio, Fleet Services Director*

Speakers:

Vehicle Spec'ing & Purchasing Options: **Nate Shadoin**, *Mike Albert Fleet Solutions, Business Development Manager*

Data Driven Decision Making: Next Level Fleet Analysis & Planning Tools (3:30 p.m. – 4:30 p.m.)

Capital budgets are limited, and assets always need to be replaced. Join this session to learn about the tools and technologies available to make data-driven decisions that will ensure your fleet acquires the options to maximize operational performance and minimize total cost of ownership.

Moderator: **Andrew Conley**, *Clean Fuels Ohio, Fleet Services Director*

Speakers:

Datalogging Options: **Mary Till**, *Sawatch Labs, Director of Business Development*

Modeling Options: **Lauren Lynch**, *NREL, Mechanical Engineer, Vehicle Technology Integration*

Analyzing Options: **Andrew Conley**, *Clean Fuels Ohio, Fleet Services Director*

SMART MOBILITY CHARRETTE FOR LOCAL & STATE POLICY MAKERS, PLANNERS & KEY STAKEHOLDERS

1:00 PM - 4:30 PM

SCIOTO A ROOM (SPEAKER PANEL)

FRANKLIN BALLROOM C (CHARRETTE)

Part 1: Speaker Panel (1:00 p.m. – 2:15 p.m.)

Scioto A Room

Expert panelists will discuss, provide perspective, and offer solutions focused on specific smart mobility challenges and opportunities by addressing four key issues: 1) Safety, 2) Environmental Sustainability, 3) Mobility Access, and 4) Impact on Traditional Providers. The moderator will facilitate a brief Q &A where attendees will ask questions to better understand the issues.

Smart Mobility Issues

Safety

*Environmental
Sustainability*

Mobility Access

*Impact on
Traditional
Providers*

Moderator: *Thea Walsh, Director, Transportation & Infrastructure, Mid-Ohio Regional Planning Commission*

Speakers:

Creighton Randall, *Chief Executive Officer & Principal Consultant, Mobility Development Partners*

Andrew Duvall, *Transportation Behavior Analyst, National Renewable Energy Laboratory (NREL)*

Jennifer Fening, *Director, Marketing and Communications, Smart Columbus, Columbus Partnership*

Morgan Kauffman, *CEO & Owner, Columbus Yellow Cab*

Shruti Vaidyanathan, *Senior Advisor for Research, American Council for an Energy-Efficient Economy (ACEEE)*

Matthew Allison, *Chief of Transit Operations, Central Ohio Transit Authority (COTA)*

Patrick Smith, *Interim Executive Director, DriveOhio*

Part 2: Assigning Issues & Charrette Small Group Discussions
(2:30 p.m. – 3:30 p.m.)

Franklin Ballroom C

Following the panel, charrette participants will be divided into four small groups assigned with one of the four smart mobility issues. Each group will be tasked with generating solutions for their issue by having discussions, addressing agreements/disagreements on these issues, and incorporating factors like technology, policy, cost/funding, collaboration/partnerships, and execution/implementation. There will be a facilitator for each group to lead the small group discussions.

Part 3: Large Group Reporting & Consensus/Wrap-Up
(3:45 p.m. – 4:30 p.m.)

Franklin Ballroom C

After small group discussions, each group will reconvene to a large group setting and present their solutions. Participants will vote which solution to move forward with in order to reach consensus on best solutions and action items for these issues. Resulting from the consensus of the charrette's issues, a report will be generated detailing the most popular voted solutions and will be shared with participants and available to the public.

VISIT OUR EXHIBITORS!

Pick up an Exhibitor Map at the Registration Desk

THURSDAY, SEPTEMBER 19

OPENING PLENARY

8:15 AM - 9:30 AM

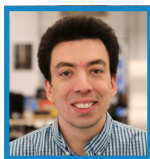
FRANKLIN BALLROOM

Four Big Themes in Transportation Today

We've never seen anything in the transportation industry quite like the pace of change right now. Change is being driven by advancements in technology, environmental concerns, cost-conscious management, and disruptive new mobility options.

Four big trends are driving the industry: 1) Shared, 2) Electrified, 3) Data-Driven, and 4) Sustainable. We've lined up national experts to provide perspectives on each of these big picture trends.

PRESENTERS:



CREIGHTON RANDALL

Chief Executive Officer & Principal Consultant, Mobility Development Partners



NICK NIGRO

Chief Executive Officer, Atlas Public Policy



MEGAN ALLEN

EV Solutions Engineering Manager, Geotab



GEORGE SURVANT

Senior Director of Fleet Relations, National Truck Equipment Association

MODERATOR:



SAM SPOFFORTH

Executive Director, Clean Fuels Ohio

2019 MIDWEST GREEN TRANSPORTATION FORUM & EXPO

MID-MORNING PLENARY

10:00 AM - 12:00 PM

FRANKLIN BALLROOM

Thought Leadership

From big picture, we turn to some big ideas & initiatives happening in the Midwest and nationally. You'll hear an eclectic mix of thought leaders share what they are working on & implications for transportation today & tomorrow. Following each speaker's remarks or presentation, the audience will have an opportunity to ask questions.

PRESENTERS:



DAN LIPSCHULTZ

*Vice-Chair & Commissioner,
Minnesota Public Policy*



ANDY BURNHAM

*Principal Environmental Scientist,
Argonne National Laboratory*



ARNAB NANDI

Founder & CEO, Mobikit



SHRUTI VAIDYANATHAN

*Senior Advisor for Research,
American Council for an
Energy-Efficient Economy*



TODD MOUW

*President,
ROUSH CleanTech*



MICHAEL MCDONALD

*Sr. Director of Maintenance &
Engineering, Sustainability &
Government Affairs, UPS*



JUSTIN ROBBINS

*Automated & Connected Vehicle
Transportation Planner, HDR*

OHIO GREEN FLEET AWARDS

1:00 PM - 1:30 PM

FRANKLIN BALLROOM

The Ohio Green Fleets program launched in the fall of 2008. These 2019 certified fleets will be our 11th class to earn the honor of designation as certified Ohio Green Fleets. After lunch is served, join us for a brief video and presentation to recognize our 2019 class and hear about their accomplishments. Be sure to network with exhibitors in the expo concourse following the Ohio Green Fleets program before the afternoon breakout sessions begin.

PRESENTER:

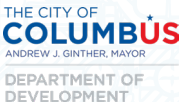


ANDREW CONLEY

*Fleet Services Director,
Clean Fuels Ohio*

CELEBRATING 100 GREEN FLEETS

Class of 2019 Ohio Green Fleets:



BREAKOUT SESSION #1

2:00 PM – 3:15 PM

**Funding Programs for Electric Vehicle Charging –
Electrification & Policy Track**
Franklin Ballroom

Electric utilities in the Midwest, with the support of public utilities and public service commissions, are rolling out programs to invest in EV charging facilities and other transportation electrification efforts. Understand emerging lessons learned and best practices from programs thus far and learn what's going on today and the near future in the Midwest and beyond.

Moderator: *Joe Halso, Associate Attorney, Sierra Club*

Speakers:

Justin Wilson, *Director, Public Policy, ChargePoint*

Sean Gouda, *Electrification Manager, DTE Energy*

Dan Lipschultz, *Commissioner & Vice-Chair, Minnesota Public Utilities Commission*

Alauddin Alauddin, *Assistant Chief, Ohio EPA Office of Environmental Education*

Gaseous Fuel Vehicles Industry Showcase:
Advanced Fuels Track
Scioto A Room

This session will feature a broad overview of the natural gas vehicle (NGV) and propane vehicle industries, available vehicles by category and how fleets can specify and order what they need. Hear from several large and smaller manufacturers and vehicle upfitters to provide a solid lay of the land. NGV and propane autogas providers will compare where and how each fuel fits best, based on vehicle sizes, specific applications and infrastructure needs and availability.

Moderator: **Andrew Conley**, *Fleet Services Director, Clean Fuels Ohio*

Speakers:

Bill Boyce, *Eastern Regional Manager, Cummins Westport*

Todd Mouw, *President, ROUSH CleanTech*

Brad Couch, *Vice President of Sales and Marketing, ECO Vehicle Systems*

Rob Underhill, *President & Chief Executive Officer, Simple-Fill*

Billy-Paul Holbrook, *ANG Technical Manager, Ingevity*

2019 MIDWEST GREEN TRANSPORTATION FORUM & EXPO

Peer Fleet Experiences: Municipal & Vocational Ohio AB Room

In order to be successful, fleets must understand unique drive and duty cycles, maintenance requirements, and plan carefully for the refueling or recharging infrastructure needed. Like other types of fleets, costs must be contained, and management must respond to increasing demands for environmental sustainability. Hear from fleet leaders about how they rose to these challenges in order to successfully implement a variety of advanced fuels and vehicle choices.

Moderator: Nate Shadoin, *Business Development Manager, Mike Albert Fleet Solutions*

Speakers:

Kelly Reagan, *Fleet Administrator, City of Columbus*

Tracy Murnane, *Director of Purchasing & Warehouse Operation, Columbus Zoo & Aquarium*

Richard Battersby, *Assistant Director, City of Oakland Public Works Department*

Sheriff Matthew Lutz, *Sheriff, Muskingum County Sheriff's Office*

BREAKOUT SESSION #2

3:30 PM - 4:45 PM

Light, Medium & Heavy-Duty EV Showcase: Electrification Track *Franklin Ballroom*

Hear from selected vehicle manufacturers about a variety of electric vehicles available for fleets today which include sedans, small vans and trucks, medium-duty vehicles for vocational and last-mile delivery, and heavy-duty EVs for passenger transportation and more. Learn about the technologies underlying these vehicles and understand where the industry is headed.

Moderator: Mark Nabong, *Senior Attorney, Climate & Clean Energy Program, Natural Resources Defense Council (NRDC)*

Speakers:

Cynthia Maves, *Electric Vehicle Fleet Business Development Manager, Nissan USA*

Mike Lambregtse, *Fleet Account Executive, GM*

Brad Couch, *Vice President of Sales & Marketing, ECO Vehicle Systems*

Todd Mouw, *President, ROUSH CleanTech*

John Hatch, *Regional Sales Manager, BYD Motors*

Mike Saxton, *Chief Commercial Officer, Orange EV*

Brent O'Daniel, *Project Manager - Transformative Technologies, Black & Veatch*

2019 MIDWEST GREEN TRANSPORTATION FORUM & EXPO

Smart Mobility: Challenges & Opportunities in a Changing Landscape – Smart Mobility & Policy Track *Scioto Room A*

As smart mobility takes form, we see potential challenges and pitfalls including increased congestion, the potential for increased energy consumption, safety concerns from new modes, and uncertainties about how new transportation services can be integrated into existing ones. Learn about where we are today, what's on the horizon, and possible solutions that are truly smart.

Moderator: **Luke Stedke**, *Managing Director of Communications, DriveOhio*

Speakers:

Patrick Harris, *Director of Government Affairs & Special Projects, Central Ohio Transit Authority*

Kevin Schwain, *Electric Vehicle Program Lead, Xcel Energy*

Maureen Marshall, *Midwest Regional Director, Calstart*

Creighton Randall, *Chief Executive Officer & Principal Consultant, Mobility Development Partners*

Peer Fleet Experiences: Data Analytics & Connectivity

Ohio AB Room

Advancements in technologies for data capture and connectivity have impacted the fleet industry along with so many other parts of our economy designed around the unique needs of pinpointing specific data and gathering useful information. This session will include fleet analytics experts as well as peer fleets who have been able to apply tools strategically to achieve powerful results.

Moderator: George Survant, *Senior Director of Fleet Relations, National Truck Equipment Association (NTEA)*

Speakers:

Lauren Lynch, *Mechanical Engineer, Vehicle Technology Integration, National Renewable Energy Laboratory (NREL)*

Kelly Reagan, *Fleet Administrator, City of Columbus*

Bruce Straub, *Executive Director of Gas Distribution – South, Consumers Energy*

FRIDAY, SEPTEMBER 20

BREAKOUT SESSION #3

9:00 AM - 10:15 AM

**EV Charging Showcase: Options for Site Hosts:
Electrification Track
Franklin Ballroom**

This session will include representatives of several EVSE makers that offer products with a wide range of specifications, capabilities and prices. You'll also hear a general overview of where the industry is today, receive some guidance on how to determine needs, then install equipment and implement your projects successfully.

Moderator: *Kelly Waters, Director, Power Connect*

Speakers:

Christina Ficicchia, *Business Development Manager, FLO*

Stuart Irwin, *Midwest Sales Representative, ClipperCreek Inc.*

Kimberly Okafor, *Electric Vehicles Manager, Trillium*

Michael Smucker, *Regional Sales Manager – Midwest, Greenlots*

Jimmy Smith, *Account Executive, ChargePoint*

Michael Mazur, *Chief Operations Officer, Greenspot Smart Mobility*

Ted Manser, *Vice President of Business Development, Blink Charging*

Growing Variety of Renewable Fuel Options: Advanced Fuels Track Scioto Room A

Over the past few years, technology and policy advancements have helped newer renewable options (natural gas, renewable diesel and propane autogas) gain footholds in the market. Understand economic factors that make renewables increasingly attractive with their benefits of displacing petroleum to stabilize prices and increase sustainability & energy diversity.

Moderator: Alleyn Harned, *Executive Director, Virginia Clean Cities*

Speakers:

Page Thorson, *Chief Executive Officer, Benchmark Biodiesel*

Steve McCoy, *Business Development Manager, Alliance Autogas*

Richard Battersby, *Assistant Director, City of Oakland Public Works Department*

Bryan Nudelbacher, *Director of Business Development, U.S. Gain*

**Local & Regional Freight & Last-Mile Delivery:
Peer Fleet Experiences – Fleet Track**
Ohio AB Room

New technologies are presenting opportunities for third-party logistics providers & managers to gain competitive advantage based on how technologies can drive down costs, & the growing imperative to drive environmental sustainability into the logistics chain for shippers. Hear how innovative carriers, yard handlers & last-mile delivery providers are implementing this.

Moderator: Adrian Burns, *Director of Columbus Region Logistics Council, Columbus Chamber of Commerce*

Speakers:

Michael McDonald, *Sr. Director of Maintenance & Engineering, Sustainability & Government Affairs, UPS*

John Sheehy, *Chief Operations Officer, EVO Transportation & Energy Services*

Josh Mehl, *Principal Partner, Compass Supply Chain Solutions, Firefly Transportation Services*

BREAKOUT SESSION #4

10:30 AM - 11:45 AM

Electric Vehicle Public Charging: What we need, where we need it, how to get there? – Electrification Track

Franklin Ballroom

The availability of more longer-range EVs points to the strong need for public fast & level 2 charging stations to serve urban areas & travel corridors. But how much charging infrastructure do we need, what types, & where do we need it? Should we “future proof” today’s facilities so they can be more easily updated in the future? What are the roles of state agencies, utilities, original equipment manufacturers (OEMs), the EVSE industry & other stakeholders? This session addresses these questions & more.

Moderator: *Mike Betts, Chief Executive Officer, Evelocity*

Speakers:

Debra Swartz, *Environmental Quality Specialist, Michigan Department of Environment, Great Lakes, and Energy*

Keith Dickerson, *Sales Director - Transformative Technologies, Black & Veatch*

Michael Smucker, *Regional Sales Manager - Midwest, Greenlots*

Bryan Roy, *Sustainable Transportation Solutions Program Manager, Energetics*

LUNCH & CLOSING PLENARY

12:15 PM - 1:45 PM

PRESENTER:



DANA MCDANIEL

City of Dublin, Ohio, City Manager

Shared Solutions to Decarbonize Employer/Employee Transportation Needs: Smart Mobility Track

Scioto Room A

With all the focus on shared mobility for employees, can solutions be found in traditional transportation service providers, new shared services, both or options that are still new & untested? Hear what some solution providers are offering, the impacts on commuters, employers & potentially on fleet operators.

Moderator: *Allegra Wiesler, Senior Sustainability Consultant, OhioHealth*

Audra Willing, *Account Executive, Luum*

Mary Till, *Director of Business Development, Sawatch Labs*

Joe MacDonald, *Manager of Environmental Planning, Northeast Ohio Areawide Coordinating Agency (NOACA)*

Aslyne Rodriguez, *CEO & Co-Founder, EmpowerBus*

Passenger Transportation: Peer Fleet Experience: Fleet Track Ohio AB Room

There are many technologies & fuel choices for yellow school buses, traditional transit buses, & a variety of passenger shuttle operations. How are innovators behind these new options approaching overall issues of sustainability and technology & fuel choices? Hear from a range of service providers about choices they've made, why they made them, how they implemented various solutions & what they've learned in the process.

Moderator: *Katie Zehnder, Vice President, HNTB*

Speakers:

Kirt Conrad, *Executive Director/CEO, Stark Area Regional Transit Authority (SARTA)*

Morgan Kauffman, *Chief Executive Officer & Owner, Columbus Yellow Cab Company*

Marcus Elliott, *Manager of Parking & Ground Transportation, Columbus Regional Airport Authority*

Tony Cademarti, *Fleet Program Manager, City of Everett, WA*

THURSDAY RECEPTION

HOSTED BY SMART COLUMBUS

SPONSORED BY COLUMBUS YELLOW CAB

SMART COLUMBUS EXPERIENCE CENTER

170 S Civic Center Drive, Columbus, OH 43215

Thursday Evening (5:30 – 7:30 p.m.)

September 19th, 2019

Please join us for our main conference reception at the Smart Columbus Experience Center hosted by Columbus Yellow Cab. Come and enjoy complimentary beer, wine, cocktails and hors d'oeuvres. Spend time networking with speakers, industry sponsors, and exhibitors.



THANK YOU TO OUR RECEPTION HOST & SPONSOR



SMART COLUMBUS EXPERIENCE CENTER

<https://smart.columbus.gov/get-involved/experience-center>

The Smart Columbus Experience Center is the newest destination on Columbus' Scioto Mile where you can see, touch and drive the smart technologies of tomorrow. Stop by today to discover the smart city projects underway in our city, learn about the technology that's helping Columbus become "smart" and test drive one of the newest electric vehicles on the market. Visit the center to learn how smart mobility will make our community safer, more equitable, more vibrant and sustainable, and discover the ways that you can help transport our city to the future.

COLUMBUS YELLOW CAB

<https://yellowcabofcolumbus.com/>

Get your Columbus Yellow Cab now! Download our app and track your taxi in real time.

Columbus Yellow Cab has been providing taxicab service to central Ohio since 1928 and is the largest and oldest taxi company in Columbus. With several hybrids and 20 electric vehicles in its 170-vehicle fleet, Yellow Cab plans to replace all its gasoline-powered taxis to electric vehicles.

INDUSTRY EXPO

The Midwest Green Transportation Industry Expo will take place at the exhibit hall and room on Thursday and Friday of the event. We encourage all of our attendees to visit the various industry partners throughout the conference and during the dedicated vendor expo time.

INDUSTRY EXHIBITORS (39) INCLUDE

- AFV International
- Agility Fuel Solutions
- Alliance Autogas
- Bell Equipment
- Benchmark Biodiesel
- Black & Veatch
- Blink Charging
- BYD
- ClipperCreek
- Columbus State Community College
- Columbus Yellow Cab
- Cummins
- Eco Vehicle Systems
- EVunited
- Geotab
- GM
- Greenlots
- Greenspot Smart Mobility
- GRIP Idle Management System
- HDR
- Ingevity Corporation
- Insight Fuel
- LGS Group Automotive Technologies
- MEMA
- McNaughton-McKay Electric Company
- Nissan America
- Ohio Propane Gas Association/National Propane Gas Association
- Orange EV
- ROUSH CleanTech
- Sawatch Labs
- SEA Electric
- Sensor Electronics Corporation
- Sierra Monitor Corporation
- Smart Columbus
- Trillium
- TruStar Energy
- W.W. Williams
- Wisconsin Lift Truck Corporation/Wolter Group
- Worthington Industries

VEHICLE DISPLAY SHOWCASE

The Midwest Green Transportation Vehicle Display will take place at the Marriott parking lot on Thursday and Friday. We encourage all attendees to check out the impressive lineup of advanced, alternative fuel vehicles throughout the conference and during the dedicated vendor expo time.

2019 MIDWEST GREEN TRANSPORTATION FORUM & EXPO VEHICLE DISPLAY SHOWCASE

COMPANY	VEHICLE DESCRIPTION
Alliance Autogas	Propane vehicle and generator
BYD Motors	Electric Bus
City of Columbus	Vehicle with GRIP Idle Management technology
ECO Vehicle Systems	Two alternative fuel pickup trucks
GM	Chevy Bolt
Ingevity	2018 Ford F150 SuperCab ANG bi-fuel truck
Nissan	Nissan Leaf
Orange EV	100% Electric Orange EV Terminal Truck from Firefly Transportation Services
Smart Columbus	Light-duty EV
Wisconsin Lift Truck	Tropos Motors ABLE™ Utility Truck
Yellow Cab Columbus	Tesla Model 3

OHIO GREEN FLEETS

Clean Fuels Ohio created the Ohio Green Fleets program in 2008 and has now certified a total of 100 fleets. Current certified fleets have displaced a combined annual total of 21,654,720 gallons of petroleum and eliminated more than 2,996 tons of nitrogen oxide (NOx), 198 tons of particulate matter (PM 2.5), 347 tons of volatile organic compounds (VOCs) and 206,416 tons of carbon dioxide.



CELEBRATING 100 CERTIFIED OHIO GREEN FLEETS

Congratulations to the 2019 Class of Ohio Green Fleets!

This year's class includes:

1. Carrollton Exempted Village Schools – *One-Star Certified*
2. Garner Trucking – *One-Star Certified*
3. City of Columbus Code Enforcement Division – *Three-Star Certified*
4. Elmwood Local Schools – *Three-Star Certified*
5. UPS (Ohio operations) – *Three-Star Certified*
6. Access Scioto County Public Transit – *Five-Star Certified*
7. Barnesville Exempted Village School District – *Five-Star Certified*
8. Firefly Logistics (Ohio operations) – *Five-Star Certified*
9. City of Dublin – *Five-Star Certified (formerly Three-Star in 2015)*
10. NASA Glenn Research Center – *Five-Star Certified (formerly Three-Star in 2009)*

www.cleanfuelsohio.org/ohio-green-fleets

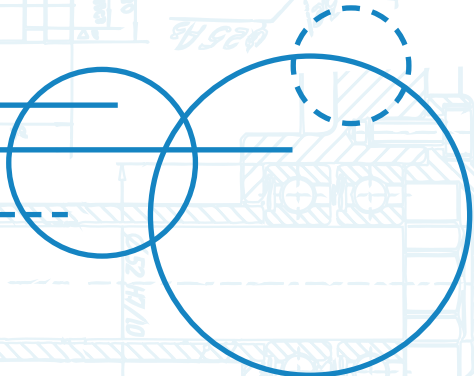
ABOUT OHIO GREEN FLEETS

The Ohio Green Fleets program is designed to significantly improve the environmental performance and fuel efficiency of public and private fleets. The program consists of three core components:

1. Direct consultation with fleet managers to develop a Green Fleet management plan tailored to specific organizational needs.
2. Hands on support and assistance with implementation, including assistance seeking grant funding to reduce implementation costs.
3. Recognition of environmental leaders through a Five-Star rating system that scores fleets based on measurable reductions in vehicle emissions and improvements in efficiency.

ABOUT OHIO GREEN FLEETS CERTIFICATIONS

Achieving recognition as an Ohio Green Fleet is significant. In order to qualify, a fleet must provide data demonstrating reductions in vehicle emissions and petroleum fuel consumption. Clean Fuels Ohio uses tools from the US EPA and Dept. of Energy to quantify this information and fleets are then designated at One, Three, or Five-Star levels in accord with the reductions they have attained across six metrics, including criteria pollutants (NOx, PM, VOCs, and CO2), petroleum displacement, and efficiency.



LEGISLATOR OF THE YEAR

REPRESENTATIVE JAY EDWARDS OHIO HOUSE DISTRICT 94



Jay Edwards worked closely with Clean Fuels Ohio on both the state transportation and general operating budgets. As a member of House leadership and the House Finance committee, Representative Edwards met with and listened to recommendations for implementing Ohio's road tax increase. In majority caucus meetings, Edwards worked to reduce the EV registration fee from the extremely high \$300 amount.

Additionally, Edwards worked with us to phase in the new tax on compressed natural gas over 5 years.

In the General Operating budget, Edwards was responsible for inserting and defending a key provision that created the propane checkoff program. This program is modeled on similar programs in other states as well as at the federal level.

State Representative Jay Edwards is serving his second term, he represents the 94th Ohio House District, which includes Athens, Meigs, Washington, and Vinton Counties.

Recently, Representative Edwards began working in medical sales, within the drug abuse/treatment market. With an understanding about addiction and health insurance, Representative Edwards knows that this is a critical issue for Ohio's 94th District. Representative Edwards resides in Nelsonville and is active within the community.

EXPAND YOUR PARTNERSHIP WITH CLEAN FUELS OHIO

Thanks for attending the 2019 Midwest Green Transportation Forum and Expo. Here are some of the many ways you can expand your partnership with Clean Fuels Ohio:

Subscribe and Connect.

Email Rachel Ellenberger at: Rachel@CleanFuelsOhio.org to subscribe to our free newsletter. Follow us on Twitter, Facebook, and LinkedIn.

Become a Member.

Membership allows us to build and maintain a strong relationship to help you achieve your goals related to advanced transportation energy and technologies. Learn more at CleanFuelsOhio.org/membership call Rachel Ellenberger at (614) 884-7336.

Access Our Consulting Services.

Who We Work With: Our clients include fleets of all types, governments, commercial developers and property owners, and industry providers.

What We Offer: Services include fleet options planning, efficiency and best management practices, training, EV charging planning, securing grants/incentives, consumer education, administration of incentive programs, policy development, government relations and more.

Contact Sam Spofforth, Executive Director, at Sam@CleanFuelsOhio.org to learn more and get started.

Get Involved with Our Policy Work.

Clean Fuels Ohio has the most active policy program of any Clean Cities coalition in the U.S. Our policy at the local, state and national level is designed to remove barriers to the adoption of advanced fuels and technologies and educate key decision-makers about what our industry, technology, and implementation partners are offering and doing. Contact Jason Phillips at Jason@CleanFuelsOhio.org.

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