EP-ACT NEWSLETTER
Driving Together Toward a Green Tomorrow

EP-ACT's 30th Anniversary & 12th Annual TOSITA -EV Workshop
EP-ACT to Host 5 Stakeholders to Attend Stakeholder Summit
EP-ACT- Propane SB Deployment in PA Environmental & Economic Benefits
EP-ACT STAFF
EP-ACT Members & Stakeholders

Schedule of Events

9:00-
Continental Breakfast
Display Vehicles and vendor tables

9:30- 11:00-
Workshop Presentations

11- 12:00-
The Only Smoke In The Air
Networking BBQ Luncheon

1:00-
Phillies vs. Angels Game

EP-ACT's 30th Anniversary & 12th Annual TOSITA -EV Workshop

Event Time & Schedule Change

Due to a change in the Philadelphia Phillies Schedule, we have changed the time of our event to include continuation networking at the GAME. Enjoy continental breakfast, an array of display vehicles, presentations from PA DEP, PennDOT, PECO and our Keynote Speaker Mr. Mark Smith from the US Department Of Energy's Vehicle Technologies Office, followed by our renowned TOSITA Networking Luncheon- We have reserved 50 seats to the game, they will be given out on a 1st come 1st served basis- so register now!!

When: August 30th
Time: 9am-12pm

www.ep-act.org

DIRECTIONS
A new case study has been written by the Alternative Fuel Data Center (AFDC) featuring the successful efforts to deploy propane school buses throughout Pennsylvania by the Eastern Pennsylvania Alliance for Clean Transportation (EP-ACT) & the Pittsburgh Region Clean Cities (PRCC).

Propane buses offer many advantages over their petroleum fueled counterparts, from reduced noise pollution and lower greenhouse gas emissions to cold weather usability and more readily available infrastructure. Propane buses can have financial benefits to school districts, as well, often having a lower total cost of ownership compared to diesel.

"A great option for the school district is to look at the advantages that propane provides over its diesel counterpart. There are alternatives besides electric school buses, and we have found a nice niche for propane school buses in Pennsylvania," says Executive Director, Tony Bandiero.

Eastern Pennsylvania Alliance for Clean Transportation (EP-ACT) and the Pittsburgh Region Clean Cities (PRCC) and have worked with more than 20 school districts throughout Pennsylvania to deploy approximately 1,000 propane school buses, making the state third in the nation for the number of propane school buses on the road.
PA STATE SENATE PASSES BILL REQUIRING ELECTRIC VEHICLE OWNERS TO PAY ANNUAL FEE

June 28th, 2023: Bill 656

The Senate passed Bill 656 to hold electric vehicle owners responsible for paying an annual fee in hopes of simplifying the process of EV owners paying towards Pennsylvania’s Transportation Infrastructure. Electric vehicle owners must own noncommercial passenger EVs with a gross vehicle rate of 14,000 pounds to be held responsible for paying this electric vehicle road usage charge. The charge is $290 annually and will be paid with the registration fee by credit or debit card. All fees will go into the Motor License Fund for highway maintenance and construction. The bill now heads to the House of Representatives for consideration.

The Purpose

EV owners are required to file monthly with the PA Department of Revenue and remit the alternative tax fuel based on how much electricity their vehicle uses. According to Senator Greg Rothman, most owners fail to do this or are inconsistent with doing so, or are just unaware that it is a requirement. Therefore, this annual fee of $290 will guarantee payments are being made so that EV owners are paying their part, due to not having to pay gas tax.

What is Fair?

At an annual fee of $290, Pennsylvania would have one of the highest annual electric vehicle fees among the 33 states that enforce EV owners to pay a road use tax. Lawmakers say the fee was calculated based on the average annual gas taxes paid by owners of gas-powered vehicles at the pump in Pennsylvania.

One alternative might be to assess higher registration fees based upon the gross vehicle weight (GVW). Heavier vehicles like heavy-duty pickups, buses, commercial vehicles, and Class 7 & 8 trucks cause more damage to roads and bridges than do lighter modes of transport.

Another idea some states have been considering is to assess a use tax or miles traveled tax that’s based upon the number of miles a vehicle is driven. One way to determine that would be via data collected by a small transponder that plugs into a car’s diagnostic (OBD II) port.
**NEVI Formula Program State Plan Guidance Updates**

FHWA has released updates to NEVI program guidance. The $5 billion NEVI Formula Program provides dedicated funding to states that deploy electric vehicle (EV) charging infrastructure. Under NEVI, each state is required to submit plan updates describing how it intends to use its NEVI Formula Program funds in accordance with the guidance.

You must submit your state’s plan update no later than August 1, 2023. All states must adhere to the latest guidance, released on June 2, 2023.

In addition to the upgraded program guidance, FHWA released an updated EV infrastructure deployment plan template and an updated NEVI Formula Program Q&A. You can also find the latest state plan update template and guidance on DriveElectric.gov.

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**Technical Assistance**

The Joint Office of Energy and Transportation provides technical assistance on planning and implementation of a national network of electric vehicle chargers and zero-emission fueling infrastructure as well as zero-emission transit and school buses.

- will work with states and key stakeholders to build capacity for electric vehicles, plan for charging infrastructure, and implement approved state plans. Additional support is provided for deploying electric school buses and electric transit buses.
- provides technical assistance to transit agencies applying for or receiving funding through the Federal Transit Administration’s Low or No Emission Vehicle Program.
- provide access to a suite of resources to help deploy EV charging infrastructure.

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**New Analysis Guides Development of National Charging Network**


The 81 page report contains quantitative analysis estimating the number, type and location of chargers needed to power a growing number of light-duty EV’s nationwide.

With only 6 years to meet 2030 standards, much work is needed in public, private, work-place, multi-unit-dwellings locations.

The report uniquely compares the EVSE network to a eco-system of a tree, noting parts of the network are visible and some parts hidden. To grow the network the roots (private charging), the trunk (public fast-charging) and the branches (public and destination charging) must grow in unison to help adoption and provide a superior driving experience, lower total cost of ownership while trying to meet climate goals.

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**Key Report Findings**

NREL’s analysis finds that a national network in 2030 could require approximately 1.2 million publicly accessible charging ports and an additional 26.8 million privately accessible charging ports.

**PA State PEV’s 1,060,000**

**PA State Level Port Count Estimate**

- Private Network Ports: 893,900
- Public Level 2 Ports: 31,900
- Public DC Fast Ports: 5,400

This report takes many assumed data collection points and was compiled using industry, utility, OEM’s national labs and other resources. EP-ACT finds this report to be helpful for an overall understanding of future needs for EV adoption.
Biden-Harris Administration Announces $192 Million to Advance Battery Recycling Technology

**Consumer Electronics Battery Recycling Funding Opportunity**

The DOE’s $125 million Funding Announcement, Consumer Electronics Battery Recycling, Reprocessing and Battery Collection, will be used to fund projects on research, development and demonstration of recycling consumer electronic batteries, batteries containing devices & increasing consumer efforts in recycling batteries and batteries containing devices. Concept papers are due August 17, 2023, and the deadline for full applications is November 29, 2023.

**The Lithium-Ion Battery Recycling Prize**

DOE Announces the Continuation of Lithium-Ion Battery Recycling Prize Program with an additional $7.4 million in prize funds. The intent of this Battery Recycling Prize is to:

- Enable U.S.-based recyclers to reach economies of scale in their processes by providing higher volume feedstocks
- Attract private, public, state, and local dollar investments to scale collection, storage, and transportation of spent and discarded lithium-ion batteries
- Create new solutions and develop them from concepts to eventually recycle 90% of spent and discarded lithium-ion batteries

**Advanced Battery R&D Consortium**

The Advanced Battery R&D Consortium funding opportunity will provide up to $60 million to convene major manufacturers of electric drive vehicles in the U.S., universities, National Laboratory partners, mineral and material suppliers, and other key battery stakeholders to address critical battery needs for the next phase of widescale EV commercialization. The consortium will be integral to DOE’s efforts to develop advanced transportation technologies that will help decarbonize the transportation sector and significantly reduce the nation’s dependence on foreign oil.
2023 AFIG Program is Now Open!!

Approximately $3M in funding is available through the states Alternative Fuel Incentive Grant (AFIG) for school districts, municipalities, nonprofit organizations, and businesses in Pennsylvania to transfer to clean fuel transportation! The supported alternative fuels include electricity, compressed natural gas, liquefied natural gas, propane, hydrogen, hythane, biodiesel, ethanol, methanol, and more.

Grant Funding Coverage

- Incremental costs related to retrofitting vehicles to operate on alternative fuels;
- Incremental costs to purchase alternative fuel vehicles;
- Cost to purchase and install the necessary fleet-refueling or home-refueling equipment for alternative fuel vehicles;
- Cost to perform research, training, development, and demonstration of new applications or next-phase technology related to alternative fuel vehicles.

EP-ACT has been assisting Stakeholder members and new potential stakeholders with this grant program for over 15 years. Our stakeholders have received over $10 million for projects including alternative fueled vehicles, infrastructure and innovative technologies from this program. If you have a project idea or a question about the program drop us a line. We are looking forward to helping you with this and any of your Alternative Fuel projects. info@ep-act.org / 215-990-8200

Application Deadlines:

August 25th, 2023 by 11:59 P.M.

December 15th, 2023 by 11:59 P.M.
MEDIUM & HEAVY-DUTY ELECTRIC TRUCK WORKSHOP SERIES

JOIN EP-ACT AND PRCC FOR OUR 3RD IN A SERIES OF WEBINARS ON MEDIUM & HEAVY DUTY ELECTRIC TRUCKS

STEVE SAGE
MANAGER, NATIONAL ACCOUNTS
BOLLINGER MOTORS

Bollinger Motors offers B4 Class 4, B5 Class 5 and B6 Class 6 electric truck platforms for fleet and commercial applications in addition to the all-wheel drive B1 Class 3 SUV and B2 Class 3 Pickup models.

THURSDAY AUGUST 17
11:00AM - 12:00PM EST

REGISTRATION REQUIRED

CLICK TO REGISTER
Michael has spent 31 years at UPS. He has worked in different capacities spending time in operations, industrial engineering and automotive engineering. Working 10 years in California as the Region Automotive Engineering Manager, helped him to understand alternatives to gasoline and diesel were an important part of the transportation eco-system.

Michael has led efforts in alternative fuel projects and technology development for the domestic fleet and recently for the international fleet. These projects include compressed natural gas, liquefied natural gas, propane, electric technology, hydrogen fuel cells, and hybrid vehicle development including both hybrid electric and hydraulic hybrid technologies.

He is a member of the Society of Automotive Engineers, Technical Advisory Group to the America Trucking Association, Calstart Board Chair, and served with The United Way as a member of the Board of Directors. DOE Life Time Achievement Award Recipient 2017. Retired USMC 1st Sgt.

Michael holds a B.S. degree in Automotive Technology and a M.B.A. in Management.

Brett Gipe is currently Vice-President, Commercial Operations & Business Development, for Coulomb Solutions Inc. (CSI)

CSI is a leading supplier of commercial EV battery systems and wide variety of accessory component electrification solutions and engineering services to North American OEMs.

Mr. Gipe has enjoyed a 30+ year career in the automotive industry, including the past 15 years in the commercial electric vehicle marketplace.

He has held Sr. Leadership roles for various OEMs and electrification solutions providers, and he has worked with some of the largest EV fleet operators and their deployments throughout the U.S. and Canada.
Join us on for an update on the Environmental Protection Agency’s (EPA) Clean School Bus Program. EPA staff will share information on this $400 million grant program and representatives from the Eastern PA Alliance for Clean Transportation (EP-ACT) and UGI will explain the resources and technical assistance that are available to school districts and contractors fund projects to replace their school buses with clean and zero emission electric school buses.

POSTPONED UNTIL FALL

Applications are due Tuesday, August 22, 2023, at 11:59 p.m.
EP-ACT
Members & Stakeholder

Sustaining Members
- Aqua America
- Blink
- Brightbill Transportation
- Delaware County
- DVRPC
- East Stroudsburg School District
- Greater Philadelphia Chamber of Commerce
- IMC Solar
- IMC Solar
- PA DCNR
- PA DEP
- PECO
- PennDOT
- UPS
- University of Pennsylvania
- US EPA
- US DOE

Gold Members
- AAA
- Exeter Township School District
- Hatboro-Horsham School District
- Haverford School District
- LCSWMA
- Sharp
- Transnet
- UGI
- Wilson School District
- Wilson Propane

Silver Members
Derry Township School District
Hatboro-Horsham School District
Lower Merion School District
Pennsbury School District
Philadelphia Gas Works
Radnor School District
Rhoads Energy
Roush CleanTech

Bronze Members
Air & Gas Technology
Community College of Philadelphia
EV ChargeTec
Oxford Engineering
Renewable Connections
Rowan Energy Integration
West Chester University

Thank You!
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