

PRCC GAZETTE

"DRIVING THE WAY TOWARD ENERGY INDEPENDENCE"

Volume 5, Issue 18

November 2019

On October 4th, 2019 the Pittsburgh Region Clean Cities (PRCC) held it's **10th Annual Odyssey Day Event at the Community College of Allegheny College - West Hills Center**. During the opening ceremony Executive Director Rick Price announced that PRCC will donate \$10,000 to the PRCC/CCAC Scholarship Endowment to increase student development in the field of clean and sustainable energy. The PRCC Endowment was created in memory of Former President Janet Lauer and Former Vice President Mack Godfrey.



Executive Director Rick Price presents check to CCAC for Scholarship

Issue Contributors:

Rick Price, Executive Director/Coordinator, PRCC

PITTSBURGH REGION CLEAN CITIES
C/O Rick Price, Executive Director/Coordinator
1436 Royal Park Blvd
South Park, PA 15129
www.coordinator@pgh-cleancities.org

The rest of the morning included keynote speakers from Bluebird, Greenlots, the Sustainability Office of Pittsburgh, and more. It's evident that technology, infrastructure, and policy are all increasingly rapidly to create a future with clean transportation. Bluebird has currently produced over 22,000 alternative fuel school buses across 2,000 school districts. Compared to traditional diesel buses, propane school buses save \$60,000 over their lifetime and reduce particulate matter and carbons emissions. Bluebird began producing electric school buses at the start of 2019 with over 100 units produced. These electric buses come with a 100-120 mile range and roughly 3,000 full cycle charges. While more expensive than traditional school buses, electric buses create opportunities for vehicle-to-grid energy flow, allowing school bus batteries to distribute unused energy back into the grid.



Marc Riccio of Bluebird presents information on propane, CNG and electric buses

The City of Pittsburgh has established ambitious climate action and environmental health goals. By 2030, Pittsburgh plans to operate a 100% fossil fuel fleet; adding to the 19 electric sedans currently in use. The city hopes to reduce on-road emissions by 50% (compared to 2013 emissions) by 2030.

CALENDAR OF EVENTS

BOARD OF DIRECTOR MEETING SCHEDULE FOR 2017

The PRCC Board of Directors meeting schedule is as follows:

January 8, 2020

April 1, 2020

July 1, 2020

October 7, 2020

All meetings will be at:

Five Star Development Inc.

1501 Preble Ave.

Pittsburgh, PA 15233

Starting at 9:30 AM

Upcoming Events

Odyssey Day October 2, 2020

9:00am to 2:30pm

CCAC West Hills Center

1000 McKee Road

Oakdale, PA

Drive Electric Pennsylvania Meeting

March 12, 2020

Location TBD

Training Classes

The PRCC is working with the National Alternative Fuels Training Consortium and the Community College of Allegheny County – West Hills Center to conduct training classes. These classes are **free** to Sustaining Members

Light Duty Natural Gas Vehicles

ATE-115-WH85

1. CEU

TBD

Introduction to Hybrid Electric Vehicles Training

ATE-136-WH85

1.0 CEU

TBD

CNG Tank Inspector Prep for Certification

ATE-601-WH85

TBD

Servicing Hybrid Electric Vehicles

ATE-137-WH85

TBD



To register for these classes contact Bob Koch at 412-788-7378 or rkoch@ccac.edu



To achieve this goal, the city will have to increase public charging infrastructure. The city also recognizes the need to offset charging through clean energy such as solar. Currently there are 35 Level 2 charging stations at Parking Authority lots.

Greenlots helps communities, businesses, and utilities create efficient charging systems. With Greenlots SKY™ EV Charging Network and mobile app, it's easy for organizations and consumers alike to manage their charging needs.



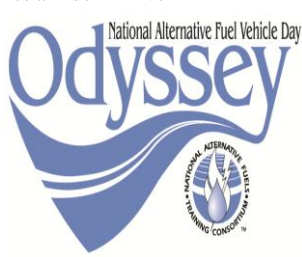
Michael Smucker of Greenlots talks about EV charging

After lunch, the public was able to test drive a Tesla Model X, Model S, and a Ford Fusion Plug-In Hybrid. #1 Cochran had an Audi e-tron and Nissan Leaf on display. CCAC's solar arc EV charger was also shown in use and numerous compressed natural gas and propane fleet vehicles were on display throughout the day.



Duquesne Light Chevy Volt

Tesla Ride-n-Drive



Thank you to this years' sponsors:!



The 2019 Alternative Fuels Incentive Grant Closes Friday, December 13, 2019

Applications must be submitted via the Electronic Single Application (ESA) System. [Click here to apply](#). The AFIG Program will remain open throughout 2019. DEP will collect and review applications received by 4 p.m. on Friday, December 13, 2019. Hardcopy applications will not be accepted.

New this year:

For Innovative Technology projects, the maximum grant award has been increased to \$600,000.

Standard hybrid vehicles are not eligible for an AFIG award, only Plug-in Hybrid Electric Vehicles (PHEV) are eligible.

For new CNG, LNG, propane, Biodiesel vehicles using a blend greater than B20, Electric Vehicles with a battery system capacity equal to or greater than 30 kWh, and Hydrogen Fuel Cell vehicles, applicants may request 100% of the incremental costs for all vehicle classes but no more than \$7,500 for Class 1 and Class 2 passenger vehicles, and no more than \$40,000 per vehicle for all other vehicle classes.

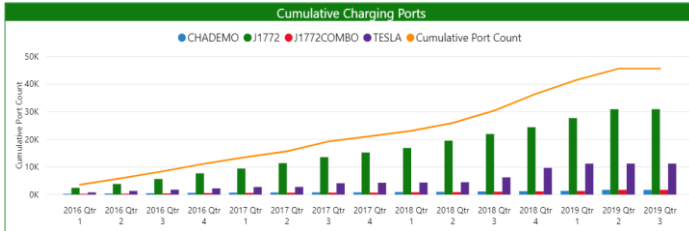
For Electric Vehicles with a battery system capacity between 10 kWh and 30kWh, applicants may request a maximum of 75% of the incremental costs for all vehicle classes but no more than \$5,000 per vehicle for Class 1 and Class 2 passenger vehicles, and no more than \$30,000 for all other vehicle classes.

For Electric Vehicles with a battery system capacity of less than 10 kWh, applicants may request a maximum of 50% of the incremental costs for all vehicles but no more than \$1,000 for Class 1 and Class 2 passenger vehicles, and no more than \$20,000 per vehicle for all other vehicle classes. [Click here to see the Guidelines](#)



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

Charging Ports Increased by 40 Percent between 2018 and 2019



Source: EV Hub

Despite continued growth, [challenges surrounding charging accessibility](#) continues to hold significant influence over consumer decisions when considering purchasing an EV.

Range anxiety is especially prevalent in the growing used EV market. States like Oregon are actively seeking to accelerate the used EV market with programs like the [Charge Ahead](#) rebates for low-income drivers looking to buy either new or used EVs. While these programs help bring down the cost of EVs and allow drivers to maximize [savings potential](#), used EVs typically have less range than newer models. This leaves some drivers more dependent on public charging infrastructure. Public programs, utility engagement, and private investment are accelerating public charging investment. Cumulative charging ports in the United States increased by 40 percent between the first quarters of 2018 and 2019 according to the EV Hub [EV Charging Deployment Dashboard](#). This is up from a 26 percent increase between 2017 and 2018. As of June 2019, there were 68,241 charging ports recorded throughout the country. 84 percent of these are Level 2 stations and 30 percent of all charging stations are located in California.

Utility investment in charging infrastructure has more than doubled nationwide since 2017. Approved utility investments worth more than [\\$1 billion](#) support more than 47,000 charging stations

. Many of these charging stations have not been built, and pending investments worth more than \$1.5 billion could lead to the deployment of more than 115,000 additional charging stations. Utility investment is essential to reducing the charging gap, where 88 of 100 largest metropolitan areas in the United States don't have enough charging stations to satisfy growing EV demand by 2025 according to the [International Council on Clean Transportation \(ICCT\)](#). While utility investment to date is significant, fewer than 20,000 of stations covered in approved programs are designated as public.

Public and private investment are critical to public charging. To date, more than [\\$465 million in public funding](#) at the state and local level, [\\$400 million in federal grants](#), and [\\$2.6 billion](#) in private investment has been committed to expanding the national charging network. Public agencies working together with private sector entities will likely see the largest charging network expansion. Electrify America, which accounts for nearly \$2 billion of the total private investment, works directly with agencies like the [California Air Resources Board](#) to ensure that their investments reach priority areas and support statewide transportation electrification goals.

Deployment of charging across the United States is positioned to accelerate. Public investment will expand as states continue awarding VW Settlement money. Only \$25 million of the [\\$270 million committed](#) for charging infrastructure has been awarded.

Combined with increasing standardization in the private sector, where [Electrify America and ChargePoint](#) customers can now use the two charging services interchangeably, charging is likely to become both more accessible and convenient for drivers. The EV Hub will continue to track progress across the transportation electrification industry as we prepare to release our quarterly summary for the second quarter later this month.

Clean Transportation: Perception vs Reality

Public and private fleet transportation directors are learning more about advanced technology developments for transportation. These people have a wide variety of job responsibilities across these fleets, and have many of the same concerns. Here are the top three themes that examine their perception versus the reality of what's going on in the industry.

Perception: Medium-duty electric vehicles are here and commercially viable.

The reality is that EVs are still under development for the commercial truck and bus segment. Mass adoption has not yet taken place. There is work to be done on several fronts, including:

- The integration of the technology and controls strategy needs to improve.
- Battery cost must continue to come down.
- Infrastructure needs must be addressed.
- Service locations must be identified.
- More OEM involvement needs to occur, so suppliers can start supporting much larger volumes and drive additional innovation.
- 2nd life for the batteries once they are decommissioned from the vehicle.

Perception: Big Data on fleet mobility is everywhere.

Reality: There have been huge advances in capturing Big Data as it relates to fleet mobility. By leveraging data, operators can reduce vehicle downtime, improve the safety of their operation, and optimize routes — and that's just the beginning. Connectivity pilot programs are helping fleet managers operate at peak performance levels and reduce the anxiety of fleets transitioning to a new energy source, like propane or compressed natural gas.

Perception: Propane is solely for backyard grilling.

The reality is that it's available for off-road applications, like forklifts and lawn mowers, and also for on-road transportation

, like Blue Bird buses and Ford commercial vehicles. More than 27 million vehicles travel worldwide with propane autogas in their fuel tank. There are over 1 million children safely riding to and from school on a Blue Bird propane school buses.

Let make sure that we continue to squelch perceptions with reality.

To learn more about ROUSH CleanTech's alternative-fuel vehicle technology that powers school buses and Ford commercial vehicles, please visit www.roushcleantech.com.



Pitt Ohio Demos New Electric Truck

Ryder has partnered with Chanje Energy to work to bring an all electric van to market. Pitt Ohio is presently demoing one the Ryder trucks(ChanjeV8070 Electric Vehicle) at its Pittsburgh Terminal in Harmer to see if this is something that might fit into their fleet. With about 100 mile range and almost 600 cubic feet of cargo space this would be something that would work in downtown areas of Pittsburgh where there is a lot of stops and not as many miles traveled.



Chanje Electric Vehicle at Pitt Ohio in Harmer



PRCC Executive Director Stands Beside Chanje EV Truck in Harmer



Ansel Hoecker PRCC Intern

Meet PRCC New Intern

Ansel is a third year student at Chatham University working towards a bachelor's degree in Sustainability and Business. He has also studied climate action and sustainable technology strategies in urban centers. At PRCC he promotes events and manages media relations. Ansel came to PRCC through the U.S. Department of Energy's Clean Cities **University Workforce Development Program**. Through this program, students will support the selected Coalitions in planned activities and strengthen each Coalition's efforts and its workforce. This initiative has the potential to help groom students and to further their efforts towards building public awareness of advanced technology vehicles (ATVs), alternative fuel vehicles (AFVs), and other measures to increase domestic energy security and improve energy efficiency in the transportation sector. In addition, it will help to grow local Coalitions and potentially move interns into permanent positions within the Coalition or related industries in the future.



— DUQUESNE LIGHT CO. — **DUQUESNE LIGHT IS PAVING THE WAY FOR ELECTRIC VEHICLES**

EV purchases in DLC's service territory are projected to reach 100,000 within 20 years, much more than the 2,400 EVs registered here as of April 2019. We're modernizing our grid to meet our customers' charging needs and leading by example with our own fleet – we have nine EV sedans, six plug-in hybrid bucket trucks, and four electric forklifts.

EV INSTANT REBATE

From August 30 through December 31, 2019, DLC residential customers can claim up to \$2,500 toward the purchase of any of the 30+ available electric vehicle models in the Pittsburgh region. DLC and #1 Cochran have partnered to offer customers an instant rebate on the purchase of an EV at Cochran dealerships.

Visit our [EV Instant Rebate](#) page, for additional details about how to claim the instant rebate.

CHARGING STATION REBATES

[Driving PA Forward](#) offers rebates of up to \$5,000 per plug for workplace, multi-unit dwelling, and public charging station projects. DLC customers can receive an additional \$32,000 toward the installation of public charging stations. For more information, contact ElectricVehicles@duqlight.com.



Ride & Drive Event Gives Public Hands-On Experience with Electric, Hybrid Vehicles

The Drive Electric PA Coalition joined the interagency GreenGov Council to showcase electric and hybrid vehicles that reduce emissions, improve energy efficiency and preserve the environment during a Ride & Drive Event at the Capitol Complex.



Electric Vehicles Parked in Front of Capital Building



Vendors Tables at DEPA Ride-n-Drive Event

The event featured more than 20 exhibitors from the public and private sectors to demonstrate electric vehicle technology. Test-drive vehicles included models from Tesla, GM, Ford, and Nissan.

During a press conference, representatives of the GreenGov Council – the departments of General Services, Environmental Protection, and Conservation and Natural Resources – along with PennDOT discussed the future of electric vehicles and efforts to increase the use the technology and expand the supporting infrastructure in Pennsylvania.



Curt Topper Secretary Dept of General Services

To slow climate change and improve our air quality, DEP is committed to steering Pennsylvania toward a future of electric transportation,” said DEP Secretary Patrick McDonnell, “DEP is providing the most funding for electric vehicle and charging projects in the state, coordinating development of a statewide strategy to increase EV adoption, partnering on consumer education efforts, and leading by example as a state agency. And we’ll continue to develop new ways to increase EV use.”



DEP Secretary Patrick McDonnell

“As Pennsylvania’s conservation agency, DCNR is demonstrating our commitment to electric and hybrid vehicles in several ways,” said DCNR Deputy Secretary for Administration Michael Walsh.



DCNR Deputy Secretary for Administration Michael Walsh

“We’re replacing fossil fuel vehicles with EVs, and we’re installing EV charging stations at 43 state parks and forests. The impacts of this work not only protects our environment, but provides benefits to all who visit our public lands, and the taxpayers of the commonwealth.”

“PennDOT is proud to be part of the conversation around sustainability and transportation,” said PennDOT Policy Specialist Ngani Ndimbie. “As a department, we continue to find ways to reduce our own greenhouse gas emissions, and we’re proud to partner with other agencies to support sustainable transportation in Pennsylvania.”



PennDOT Policy Specialist Ngani Ndimbie

The Drive Electric Pennsylvania Coalition includes public and private sector partners and other interested stakeholders. Its mission is to educate consumers, fleet managers, and government decision-makers about the benefits of electric vehicles,

the increasing availability of electric vehicle models, and the capabilities of the technology to reduce greenhouse gas emissions and reduce Pennsylvania's dependence on petroleum fuel.

Governor Wolf established the GreenGov Council in January as part of [Executive Order 2019-01](#), which sets ambitious statewide emission reduction goals to slow down climate change in Pennsylvania. The Wolf Administration [recently announced](#) that the GreenGov Council will begin its analysis of state agencies' energy-saving and sustainability strategies.

Weblinks to Drive Electric Media Sites

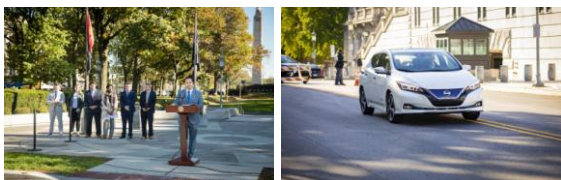
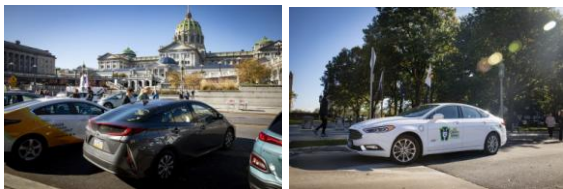
<http://pacast.com/m?p=17449> PACast

<https://www.youtube.com/watch?v=hTl2KdwTghE&feature=youtu.be> DEPA Harrisburg PRCC

<https://local21news.com/news/local/drive-electric-pa-coalition-hosting-first-ride-and-drive-event>
ABC Channel 21

<https://mychesco.com/a/news/pennsylvania/ride-drive-event-gives-public-hands-on-experience-with-electric-hybrid-vehicles/> Mychesco.com
News

Pictures from DEPA Event



New Level II Chargers Installed Using Drive PA Forward Funds in Pittsburgh Area

Six new chargers have been installed using the VW Mitigation funds through the DRIVING PA FORWARD Level II Rebate Program. They are installed in the Greentree Road area off the Parkway west at the

Executive Office Associates

Number of Level 2 EV Chargers (plugs): 2 plugs

Workplace Charging Greentree Commons, 381 Mansfield Ave., Pittsburgh, PA 15220



Level II Chargers at Greentree Commons

There are also four Level II chargers that have been installed near the Pool area of the new Summit Station townhomes and apartments at the end of the Allegheny County Port Authority's Library T-Station

All chargers are part of the ChargePoint Network. Summit Station

Number of Level 2 EV Chargers (Plugs) 4

Summit Station 3001 Perimeter Bld, South Park, PA 15129



Level II Chargers at Summit Station

Duquesne Light Holds Workplace Charging Workshop

On September 17, 2019 at the ARGI AI building in the strip district where Duquesne Light and the Green Building Alliance held a Pittsburgh Region Workplace Charging Workshop which included Jenna Cramer Executive Director, Green Building Alliance and followed by Steve Malnight President and CEO of Duquesne Light. The EV/Charging Panel was Jimmy Smith Account Executive from ChargePoint and Calum Munro from PPG. The next panel was Councilperson Erika Strassburger Dist 8, City of Pittsburgh and Jennifer Beer VP, Government Relations, Greater Pittsburgh Chamber of Commerce. After a brief break the last panel was a number of companies that have workplace charging David Landis, VP EPIC Metals, Lonnie Mattson, Manager Sustainability, FEDEX Ground, Christopher Speers, Director of Parking Services, Pittsburgh Parking Authority, Michael Nanard, Project Director, Oxford Development and Emily Phan-Gruber, Associate Manager, Transportation Electrification, Duquesne Light.



The Workshop was followed by a Rooftop Reception at the #1 Cochran Audi Dealership on Liberty Avenue, where County Executive, Rich Fitzgerald, Steve Malnight, DLC and Rob Cochran spoke to attendees.



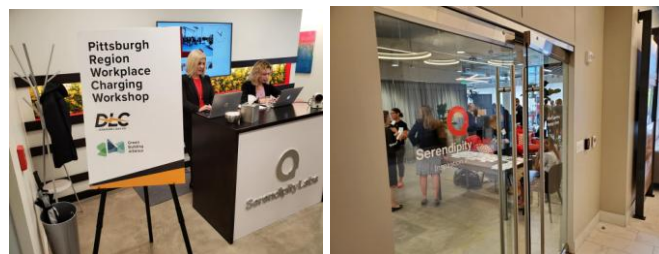
Steve Malnight President and CEO of Duquesne Light speak at Rooftop Reception on #1 Cochran Audi

To read more about the event go to

[Duquesne Light leans into electric transportation, just as the federal government goes in the opposite direction](#)



Speakers at the Rooftop Reception at #1 Cochran Audi



Serendipity Labs in ARGO AI Bldg



Duquesne Light Display at Workplace Charging Event

To see a video of this event go to

<https://youtu.be/dBT3nS9ESRM>

National Drive Electric Week

The 2019 National Drive Electric Week where 324 celebrations took place across the US and other countries. Some of the local events took place in Pittsburgh, Mt Lebanon, Cranberry and State College. The Pittsburgh Region Clean Cities participated in most of these events.

As part of the National Drive Electric week events Duquesne Light had electric vehicles and display tables handing out information about the benefits of plug-in hybrid electric vehicles(PHEV) and battery electric vehicles(BEV) at two **Farmers Markets one in Mt Lebanon and one in Beaver County**, along with their rebates for DLC. Customers of up to \$2500.00 for purchase of an PHEV or an BEV from one of #1 Cochran Dealerships.

Mt Lebanon Farmers Market



Duquesne Light Table at Mt Lebanon Farmers Market



Trying Out the Audi Etron



Asking Questions About Electric Vehicles

Beaver Farmers Market



Explaining Electric Vehicles at the Beaver Farmers Market



#1 Cochran Nissan Leaf



Telling Folks about the Benefits of an EV

To see video from the Farmers Market

<https://youtu.be/Lxl-5iYH7Jo>

Cranberry Township



Dealer Explains the EV Porsche



NDEW Table in Cranberry Township



Lou Hancherick Go Green Festival

State College



NDEW Week State College Country Inn & Suites



PRCC Vehicle at NDEW State College



State College Vehicles



Attendees Listen to Speakers

Pictures from PRCC 10th Annual Odyssey Day



Bob Beatty Insight Fuel Explains New CNG Conversion



Alternative Fueled Vehicles



Attendees Listen to Speakers



Ride-n-Drive Vehicles



Highbay Exhibitors

EV's Hooked up to Solar Arc at CCAC



NAFTC Propane Trainer

PRCC Sustainable Members

Platinum Members



Gold Members



Silver Members



PRCC Membership Levels Information

Membership Options: Individual- \$150 Nonprofit- \$300 Bronze- \$500 Silver- \$1000 Gold- \$2000 Platinum/Sponsor- \$4000+

To find out more on membership levels go to:
<http://www.pgh-cleancities.org/membership/>



The Pittsburgh Region Clean Cities Board of Directors would like to thank all of our members and stakeholders for supporting our coalition and mission!



UNITED WE STAND – SEPTEMBER 11, 2001

Our deepest sympathy and heartfelt thoughts go out to our fellow Americans during this time of crises. We will continue to stand strong and united in our support of the men and women protecting our country's interests.

Please come visit our PRCC Web Site:

www.pgh-cleancities.org

. Contribute Your News!

In trying to get the news of successes we have in our area. Please feel free to contact Rick Price, Executive Director/Coordinator at 412-735-4114 or at coordinator@pgh-cleancities.org.

Learn more about Clean Cities at cleancities.energy.gov, and learn how to get involved with the Pittsburgh Region Clean Cities coalition at www.pgh-cleancities.org

