CONNECT

CONGRESS OF NEIGHBORING COMMUNITIES

Electrify Allegheny & EV Charging in Pittsburgh-Region Municipalities
Appalachian Sustainable Finance Hub Co-Lab
July 10, 2024

Rebecca Kiernan, Director of Collaborative Funding
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Annual Legislative Session
15 Years of Multi-Municipal Public Policy Innovation

CONNECT

In Allegheny County, 130 separate governments exist to deliver services to over 1.2 million residents; and for fifteen years and counting, CONNECT creates a unique space for those inspired to innovate and improve on municipal policies and programs.

The map to the right shows the 900,000 people represented in and benefiting from our voluntary congress.

Board of Officers

Andrew Flynn, Chair, Mt Lebanon Commissioner

Shawn Alfonso-Wells, Vice Chair, Swissvale Councilmember

Patricia DeMarco, Immediate Past Chair, Forest Hills Council Vice President

Mary Ellen Ramage, Treasurer/Secretary, Manager of Etna

George Zboyovsky, Manager Representative, Manager of Brentwood

Mayor Ed Gainey, City Representative, Mayor of the City of Pittsburgh

Rich Fitzgerald, County Representative, Allegheny County Executive

Staff

Lydia Morin, Executive Director

Sarah Downing, Assistant Director

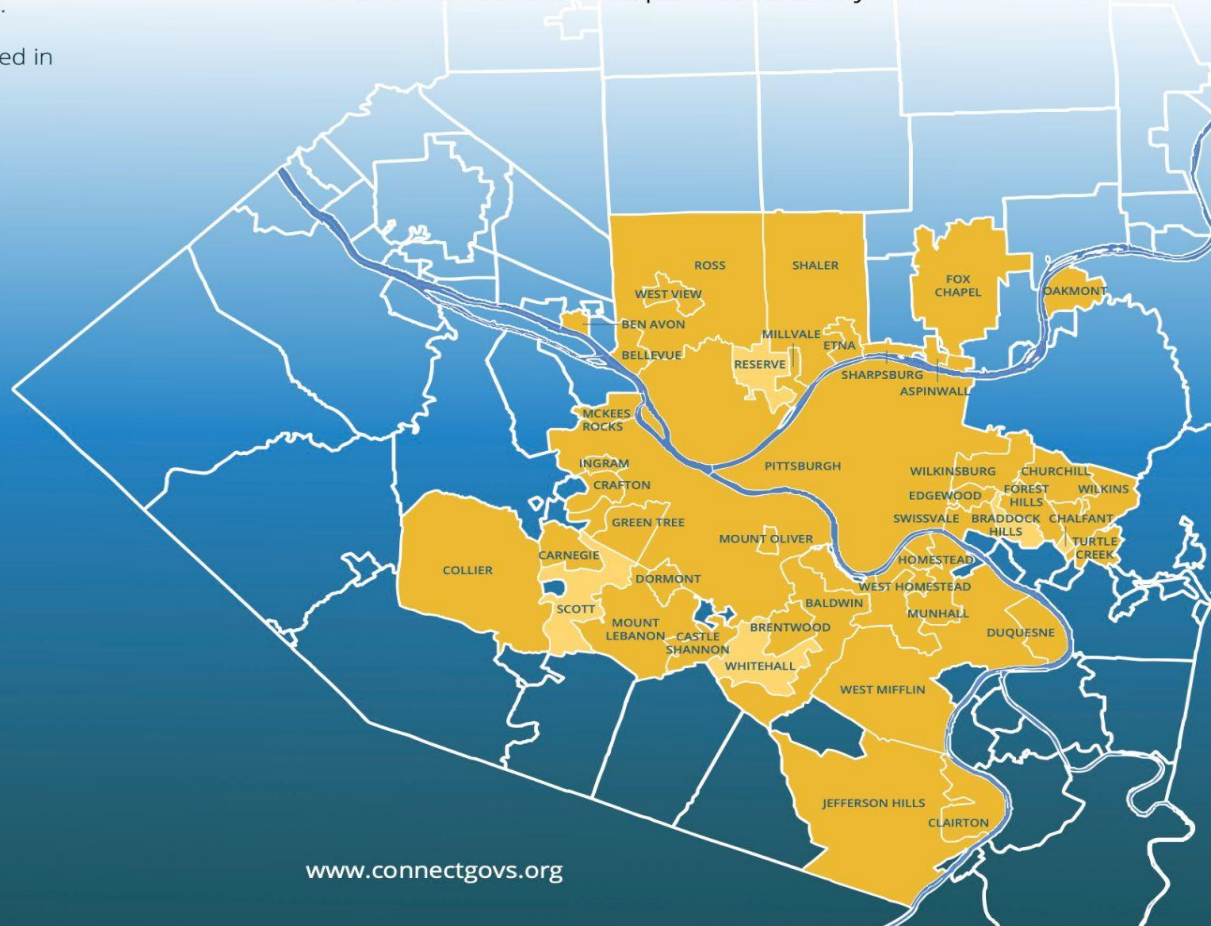**Eric Raabe,** Director of Infrastructure & Resilience

Joey Brantle, LEAD Project Manager

Kelley Kelley, Director of Public Safety & Wellbeing

Anthony Terrace, Future of Fire Consultant

www.connectgovs.org

Map municipalities: ROSS, SHALER, FOX CHAPEL, OAKMONT, WEST VIEW, BEN AVON, BELLEVUE, MILLVALE, ETNA, RESERVE, SHARPSBURG, ASPINWALL, MCKEES ROCKS, INGRAM, CRAFTON, PITTSBURGH, WILKINSBURG, CHURCHILL, EDGEWOOD, FOREST HILLS, WILKINS, GREEN TREE, MOUNT OLIVER, SWISSVALE, BRADDOCK HILLS, CHALFANT, TURTLE CREEK, COLLIER, CARNEGIE, DORMONT, HOMESTEAD, WEST HOMESTEAD, SCOTT, MOUNT LEBANON, CASTLE SHANNON, BRENTWOOD, BALDWIN, MUNHALL, DUQUESNE, WHITEHALL, WEST MIFFLIN, JEFFERSON HILLS, CLAIRTON

Infrastructure & Resilience

- CONNECT Climate Action Plan

- GET Solar

- Electrify Allegheny

- Materials Management

- Climate Adaptation

- Research Council

- Housing

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Public Safety & Wellbeing

- Law Enforcement Assisted Diversion Program (LEAD)
- Future of Fire
- Municipal Mental Health and Wellbeing

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Photo by Matt Chesin on Unsplash

CONNECT CAP DICTATES EV CHARGING & FLEET ELECTRIFICATION

CONNECT
Climate Action Plan

Local Actions & Strategies to Reduce CONNECT Members' Greenhouse Gas Emissions & Increase Our Resilience

Approved at the 12th Annual Legislative Session of The Congress of Neighboring Communities (CONNECT)
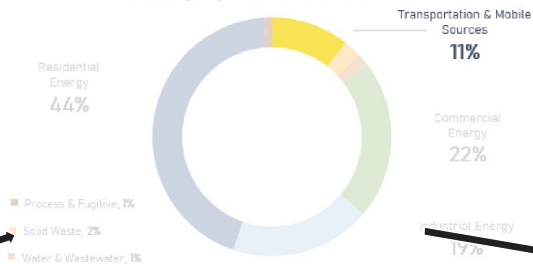5/19/2022
Reference: Resolution 22-05
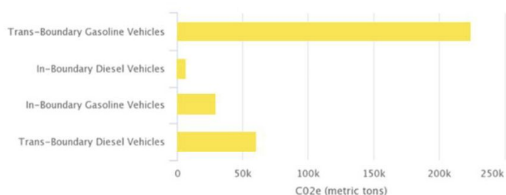Produced by: CONNECT Infrastructure & Utilities Coordination Working Group

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CONNECT's 2018 Greenhouse Gas Emissions
(Excluding Large Industrial Process Emissions)

Transportation & Mobile Sources **11%**

Residential Energy 44%

Commercial Energy 22%

Industrial Energy 17%

Process & Fugitive, 1%
Solid Waste, 2%
Water & Wastewater, 1%

2018 Transportation Emissions by Source

- Trans-Boundary Gasoline Vehicles
- In-Boundary Diesel Vehicles
- In-Boundary Gasoline Vehicles
- Trans-Boundary Diesel Vehicles

CO2e (metric tons) — 0, 50k, 100k, 150k, 200k, 250k

	Objective	Benefits	Emissions Reduction Potential
Goal 4: Motivate cleaner modes of transportation by residents and in our fleets.	TR 1 – Encourage and increase accessibility to alternate modes of transportation such as walking, biking, or transit in our communities.	⚖️🕊️	🍃🍃
	TR 2 – Increase electric vehicle use in municipal fleets and the broader community.	🕊️🌲$	🍃🍃

When asked how local governments can best help them with EV's, CONNECT residents want their municipality to:

1. Add *public charging stations*
2. *Publicize incentives* for the community
3. *Upgrade its own fleet* to electric

+20 actions in Community Education & Partnerships, Collaborative Purchasing, Electrifying Municipal Vehicles, Charger-Friendly Policies, Assisting Community Charging

Electrify Allegheny

DLC — DUQUESNE LIGHT CO.

PITTSBURGH REGION CLEAN CITIES

CONNECT — CONGRESS OF NEIGHBORING COMMUNITIES

Electrify Allegheny is a **free program** for municipalities and community groups interested in pursuing EVs or charging.

1

SITE TOURS + ASSESSMENTS

To assess feasibility of a project idea

2

PROJECT SUPPORT

To help your idea move forward

3

GRANT WRITING

Support hours to fund your project

RESPONSIBILITIES

ELECTRIFY ALLEGHENY TEAM

- Work with you to **assess your EV charging needs.**
- **Help participants identify potential EV charging locations** and conduct a site-walk.
- Analyze fleet data and **provide EV recommendations** through the DLC Fleet Advisory Service.
- Assist with identifying and **applying for other state and federal incentives** to support your project.

CUSTOMER

- Participate in program from March-May 2024.
- Attend Individual Intro Meeting, Site Walk, and Next Steps Workshop. Additional touchpoints may be necessary.
- Share your fleet data if interested in the Fleet Advisory Service.
- Optional: attend additional lunch and learns about EV topics that interest you.
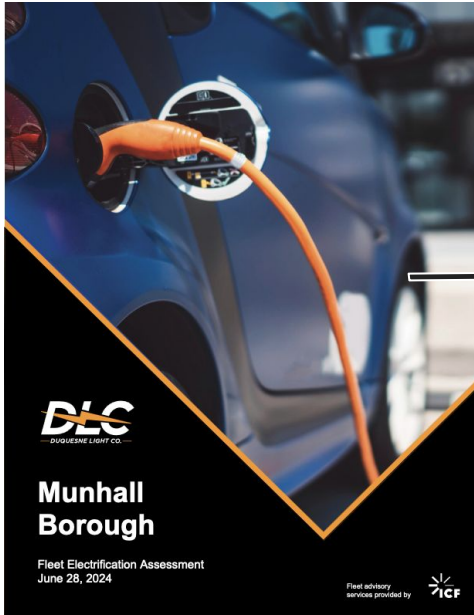
PARTICIPANTS

- Ben Avon Borough
- Braddock Borough
- Carnegie Borough
- Crafton Borough
- Borough of East Pittsburgh
- Edgewood Borough
- Etna Borough
- Forest Hills Borough
- Green Tree Borough
- Homestead Borough
- Millvale CDC, New Sun Rising
- Mount Lebanon Municipality
- Munhall Borough
- North Braddock Borough
- Pittsburgh Water and Sewer Authority
- Rankin Borough
- Tree Pittsburgh

CUSTOM ROADMAPS FOR MUNICIPAL FLEETS

Munhall Borough

Fleet Electrification Assessment
June 28, 2024

Fleet advisory services provided by ICF

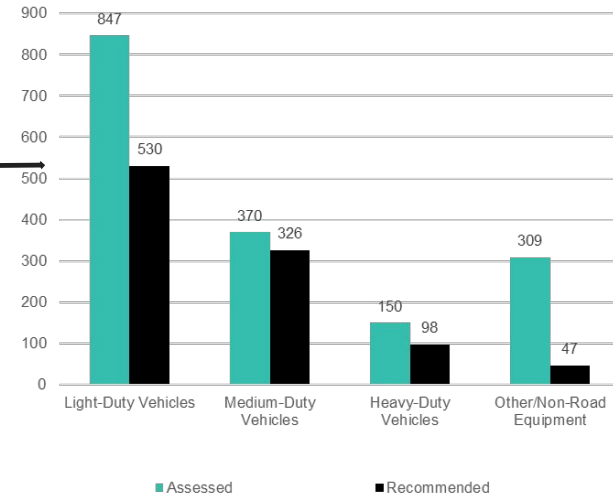**Based on our analysis, converting 23 vehicles to EVs is estimated to produce the following impacts:**

$2,132,364
TCO savings over 23 years*

$743,194
fuel cost savings over 23 years*

$512,105
maintenance savings over 23 years*

3,903
metric tons (MT) of CO_2 eliminated over 23 years

Over 23 years, those estimated CO_2 reductions equate to:

eliminating **691** homes' energy use for one year, or:

switching **228,202** incandescent lamps to LEDs, or:

recycling **2,042** tons of waste instead of landfilling it, or:

planting **99,088** trees.

* NPV assumes a 5% discount rate.

Total Vehicles Assessed and Recommended by Type

Type	Assessed	Recommended
Light-Duty Vehicles	847	530
Medium-Duty Vehicles	370	326
Heavy-Duty Vehicles	150	98
Other/Non-Road Equipment	309	47

■ Assessed   ■ Recommended

EDUCATIONAL SESSIONS

- Hosting educational sessions on electric vehicle topics important to municipalities:
  - Fleet conversion
  - Pricing
  - O&M
  - Enforcement
  - Grant writing
  - Fire safety

FUNDING AND NEXT STEPS PLANNING

- **Duquesne Light's 'Make Ready' program** significantly subsidizes and simplifies public charging installation projects
- Seeking **IRA Funding** for both joint project across municipalities and individually
- PRCC provides grant writing support
- CONNECT developing joint programs and applications

OPPORTUNITIES AND CHALLENGES

Opportunities
- **Strong partnerships with utility and Clean Cities and Communities Coalition**
- **Joint procurement**
- **Scaling impact**
- **IRA and PA State funding for EVs**
- **Increased adoption of EVs and EV fleets**
- **CONNECT providing project management support and capacity to small municipalities**

Challenges
- **Can be difficult without government lead**
- **Many ordinances, councils, lawyers across municipalities**
- **Ownership models, consistency and ongoing O+M**

Thank you!

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Feel free to reach out with any questions!

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