SEDA-COG MPO Meeting

January 30, 2026 @ 9:30 A.M.

SEDA-COG Office / Virtual Meeting

Meeting materials available at:

https://seda-cog.org/departments/transportation/seda-cog-metropolitan-planning-organization

MPO Voting Member Attendance

Member	Yes	No
Stephen Gibson, Clinton County		
Christopher Anderson, Columbia County		
Brad Kerstetter, Juniata County		
James Lettiere, Mifflin County		
Greg Molter, Montour County		
Justin Skavery, Northumberland County		
Lincoln Kaufman, Snyder County		
Shawn McLaughlin, Union County		
Lisa Dooley, Town of Bloomsburg		
Jack Kyttle, Berwick Borough		
Mark Schultz, PennDOT District 2		
Chris King, PennDOT District 3		
Nate Walker, PennDOT Central Office		
Bob Stoudt, Multimodal Interests		
Michele Holman, Transit Interests		
Randy Karschner, SEDA-COG Board		
Steve Herman, SEDA-COG Transportation		

A. Call to Order (introduction of new members and guests)

B. Public Forum (for items not listed on the agenda)

C. *Approval of November 21, 2025, MPO Meeting Minutes (see pages 3 to 7 of packet)

Recommendation: If acceptable, approve the minutes of the November 21, 2025, SEDA-COG MPO meeting.

D. *TIP Modifications (see pages 9 to 26 of packet)

Note: Votes are not needed for the administrative modifications between 11/17/25 and 1/22/26 that are being presented. The projects on pages 9, 10, 16, and 17 of the packet are amendments and do require votes.

Sampling of TIP modifications being reviewed at MPO meeting

Action ID	MPMS #	PennDOT One Map Report	Google Street View
N/A	121645	Project Status Report Link	Street View Link
N/A	123508	Project Status Report Link	Street View Link
143798	114298	Project Status Report Link	Street View Link
N/A	6736	Project Status Report Link	Street View Link
N/A	123336	Project Status Report Link	Street View Link
143365	100483	Project Status Report Link	Street View Link
143447	100443	Project Status Report Link	Street View Link
143668	107019	Project Status Report Link	Various bridges in Columbia County

E. CSVT Project Status Report – PennDOT District 3

CSVT project website: https://www.csvt.com/

F. Unified Planning Work Program Staff Activity Report (see pages 29 to 41 of packet)

- Staff will summarize key items from the staff activity report.

G. Presentation on Pittsburgh Region Clean Cities Alternative Fuels Initiatives (see separate presentation)

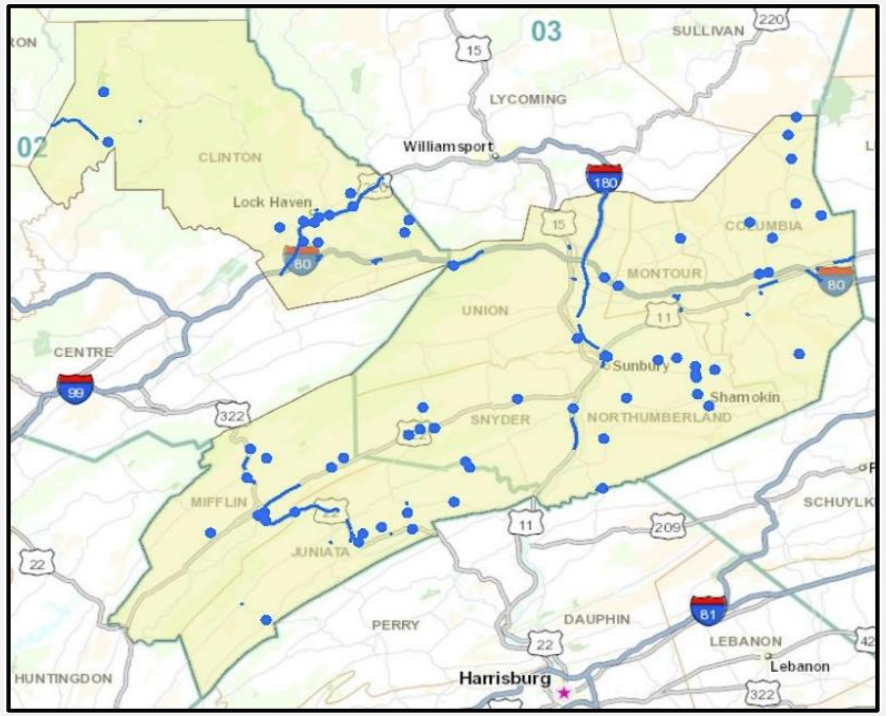
- *Kristen Sabol, interim executive director of Pittsburgh Region Clean Cities, will provide a presentation on the coalition's initiatives and capabilities.*

H. *Annual Update of Safety Performance Measure Targets (see pages 43 to 47 of packet)

Recommendation: If acceptable, approve the 2026 statewide Safety Performance Measure Targets and agree to plan and program projects that contribute toward the accomplishment of the PennDOT targets.

I. FFY 2025 Obligated Projects Report (see the full report here)

- Staff will highlight aspects of the recently completed Obligated Projects Report for FFY 2025.



J. SEDA-COG Long-Range Transportation Plan Update

- *Separate PowerPoint update to be shared by staff and Michael Baker consultant team.*

K. 2027 Transportation Improvement Program Update (see pages 49 to 65 of packet)

- Staff will review the at-a-glance summary charts, draft projects, and timeline for the 2027 TIP update.

L. Active Transportation Committee Update

- Staff will provide an update on Active Transportation Committee meetings and business.

M. Member Forum (see pages 67 to 71 of packet)

- Members are encouraged to bring up news items from their organizations and other discussion topics for the good of the order.

N. Adjournment

Thank you!

- The next MPO meeting will be on April 10, 2026.

Clean Cities and Communities

Clean Cities and Communities

January 30, 2026

Kristen Sabol, PRCC Interim Executive Director

PITTSBURGH REGION CLEAN CITIES

Clean Cities and Communities

Vision: *Decarbonized transportation future for all communities*

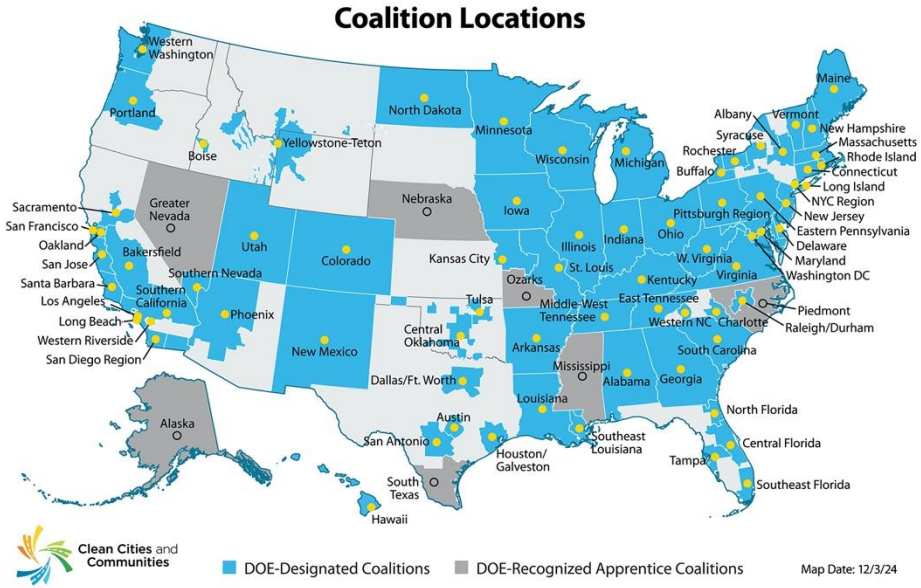
Mission: *Clean Cities and Communities advances the nation's environment, energy security and economic prosperity through collaboration with communities by building partnerships with public and private stakeholders that create equitable deployment of clean transportation solutions for all.*

- 1.6 million alternative fuel vehicles on the road
- 72 million tons of emissions prevented
- Energy use impact of 14 billion gasoline gallon equivalents
- Nearly 20,000 public and private stakeholders.

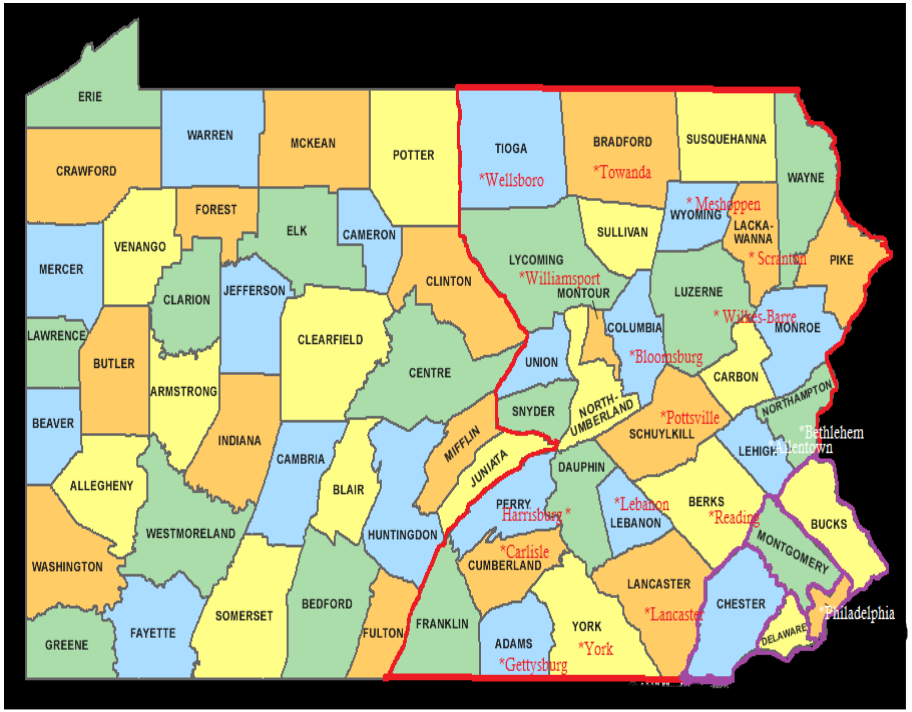
30+ Years of Transforming Transportation

What We Do

- Clean Cities and Communities is a U.S. Department of Energy (DOE) partnership to advance clean transportation nationwide.
- More than 75 DOE-designated Clean Cities and Communities coalitions work locally in urban, suburban, and rural communities to strengthen the nation's environment, energy security, and economic prosperity.



Our area covers the 33 counties in western Pennsylvania



Pittsburgh Region Clean Cities Team

James O'Donnell

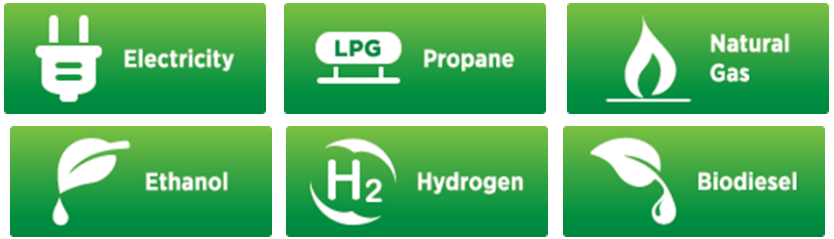
Program Assistant

Central Region

At-A-Glance:

Mission: We work locally to advance affordable, domestic transportation fuels, energy efficient mobility systems, and other fuel-saving technologies and practices.

- Part of the Department of Energy's Clean Cities Program since 1995
- 501 (c) Non-profit
- Comprised of Public and Private companies, State and Local Governments, Municipalities and Utilities
- Assist with Grants/incentives/vouchers/rebates
- Work with Stakeholders on clean fuel projects
- Technical Assistance
- Project Management
- Education and Outreach



Strategically Advance Clean Transportation

Access technical assistance and hands-on problem-solving support.

Connect to unbiased, data-driven tools and resources

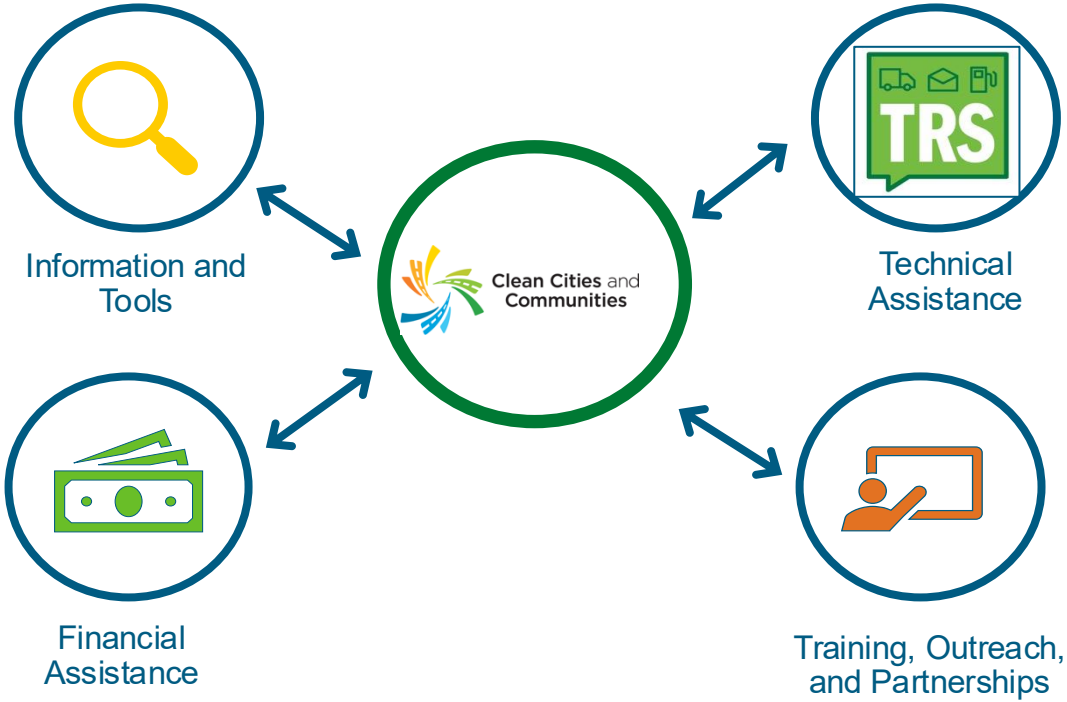
Build partnerships

Receive personalized experience rooted in local context

Collaborate on funding opportunities

Technology Integration Program

Provide objective/unbiased data and real-world lessons learned that inform future research needs and support local decision-making



Access Tools and Resources

- Alternative Fuels Data Center: afdc.energy.gov
  - Maps and data
  - Publications and case studies
  - Digital tools and calculators.
- FuelEconomy.gov
  - Data and calculators to help drivers improve fuel economy
  - Gas mileage tips.
- Clean Cities and Communities: cleancities.energy.gov
  - History and current activities, including coalition search
  - Open funding opportunities.
- Technical Response Service: technicalresponse@icf.com.


UC San Diego
Greenline
Powered by Biodiesel
sustain.ucsd.edu


Tucson


SCHOOL BUS
1307


CHARGING STATION
ELECTRIC CAR PARKING ONLY WHILE CHARGING


Low Emission
Natural Gas Vehicle

Clean Cities and Communities

PITTSBURGH REGION CLEAN CITIES

Renewable Natural Gas from Landfills

Community: Western Pennsylvania

Benefits from CC&C action:

- Waste hauling company producing renewable natural gas (RNG) from their own landfills
- Started with 4 trash haulers and now operates 120 RNG vehicles
- In 2022, used more than 1 million gallons of RNG
- Provide the only public RNG fueling in Western Pennsylvania

Basics: CNG and LNG in Vehicles

Types	Storage	Applications	Energy Content
Compressed Natural Gas (CNG)	Stored as a gas in onboard tanks under high pressure	Light-, medium-, and heavy-duty vehicles	1 gasoline gallon equivalent (GGE) = 5.66 pounds (lb) or 126.67 cubic feet
Liquefied Natural Gas (LNG)	Stored as a liquid at cold temperatures (-260°F); Stored in double-wall, vacuum-insulated pressure vessels	Heavy-duty vehicles; Trucks with long ranges supporting the marine and rail sectors	1 GGE = 1.5 gal LNG

Renewable Natural Gas

- Chemically identical to conventional natural gas
- Can be compressed or liquefied for use in vehicles
- Biogas already being produced is upgraded to a purity standard
- Benefits: economics, cleaner, significant reduction in greenhouse gas emissions, energy security

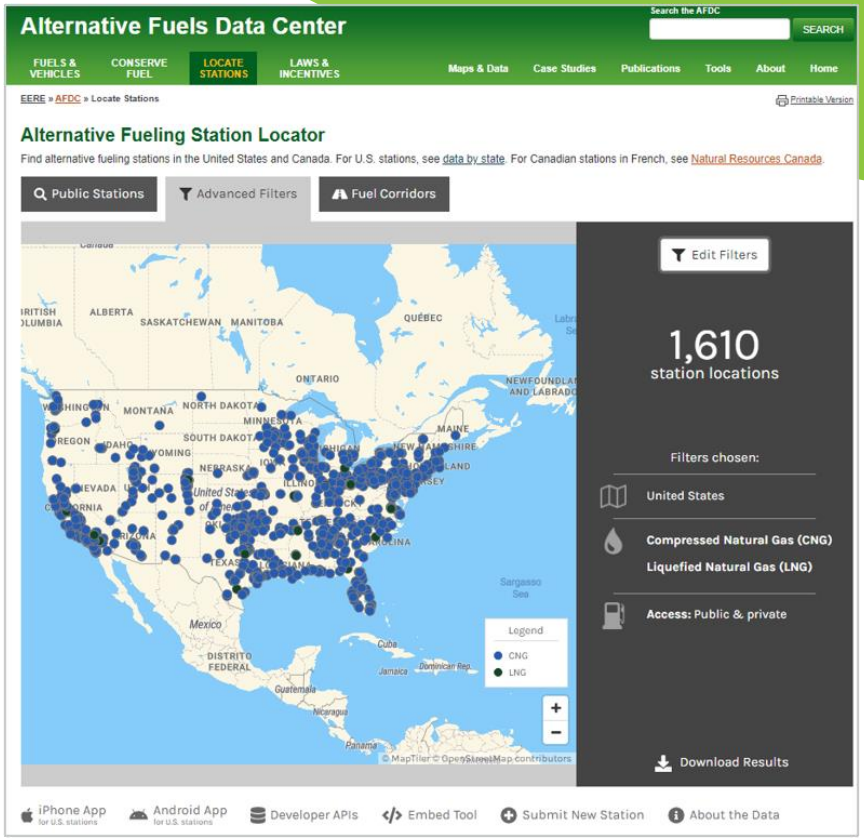
Basics: Benefits and Considerations

Benefits

- Abundant domestic resource
- High octane rating
- Nontoxic, noncorrosive, and noncarcinogenic
- Lower emissions
- Low and consistent fuel prices
- Proven and established

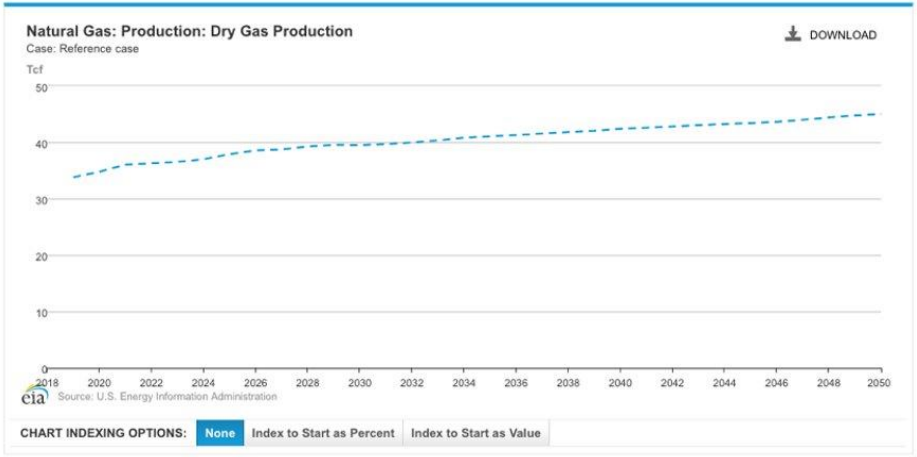
Considerations

- Reduced driving range on dedicated vehicles
- Incremental vehicle or conversion costs
- Infrastructure availability and costs

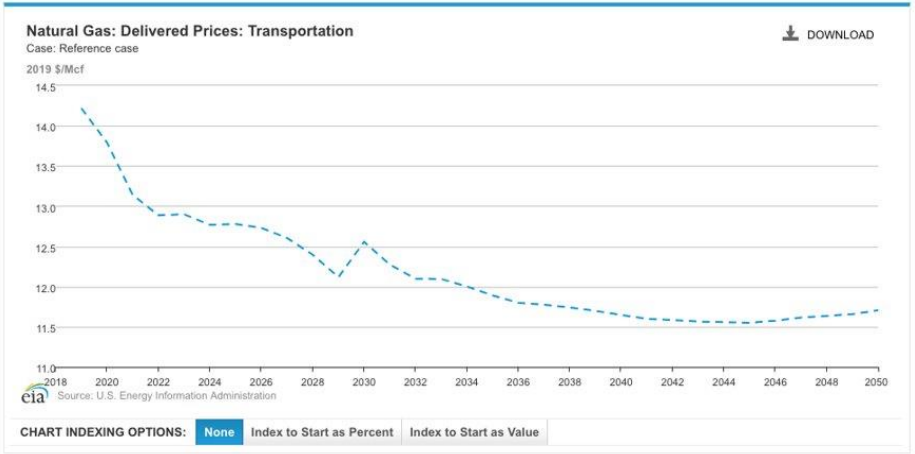


Basics: Supply and Price Projections

Natural Gas U.S. Production Projections



Natural Gas: Delivered Prices: Transportation



Vehicles: Applications

Light-Duty

- Light-duty trucks in private and government fleets

Medium-Duty

- Vans and shuttles
- Airports and taxi fleets

Heavy-Duty

- Refuse haulers
- Transit buses
- School buses
- Long-haul trucks
- Street sweepers
- Snowplows
- Short-haul delivery trucks

Pennsylvania is Third in the Nation for Propane School Buses

Community: Pennsylvania

Benefits from CC&C action:

- Collaboration of PRCC & EP-ACT
- More than 20 School Districts and deployed approximately 1,000 Propane School Buses
- Reduced 5,000 tons of Carbon Dioxide per Year

https://www.pgh-cleancities.org/

Basics: Propane in Vehicles

Applications	Storage	Energy Content
Light-, medium-, and heavy-duty vehicles	Stored as a gas in onboard tanks at 150 pounds per square inch	73% of the energy content of gasoline

Basics: Benefits and Considerations

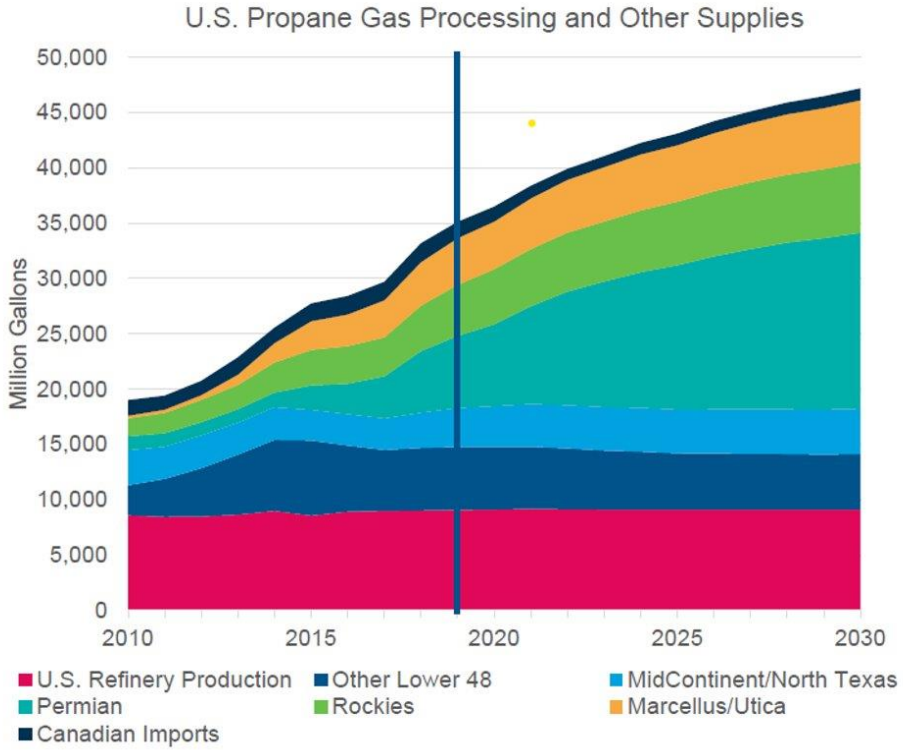
Benefits

- Energy security
- Vehicle technology/fueling widely available
- High energy density
- Low flammability
- Safe, puncture-resistant tanks
- Cost savings
- Reduced emissions

Considerations

- Lower fuel economy
- Incremental vehicle cost
- Vehicle conversion cost

Basics: Supply



Source: ICF International, 2019 NPGA Conference presentation

Vehicles: Applications

Light-Duty

- Passenger cars and light-duty trucks in private and government fleets
- Personal vehicles

Medium-Duty

- Vans and shuttles
- Airports and taxi fleets
- Cargo trucks

Heavy-Duty

- School buses
- Transit buses
- Snowplows
- Short-haul delivery trucks

Electrify Allegheny Program Supports Municipal Climate Action Plans

Community: Allegheny County, Pennsylvania

Benefits from CC&C action:

- Collaboration of PRCC, CONNECT and Duquesne Light Company
- 18 Municipalities exploring electric fleet and public charging transitions
- Conducted free site assessment to determine feasibility of EV charging and completed fleet analysis
- Provided support for PA-DEP AFIG applications

https://www.pgh-cleancities.org/

Basics: Electric-Drive Vehicles

Electric Vehicles (EVs):

- All-Electric Vehicles
  - Powered by an electric motor
  - Uses charging infrastructure to charge the battery
- Plug-In Hybrid Electric Vehicle (PHEV)
  - Powered by an electric motor and engine
  - Uses charging infrastructure to charge the battery

Hybrid Electric Vehicle (HEV):

- Powered by an engine and electric motor
- Does not use charging infrastructure to charge the battery

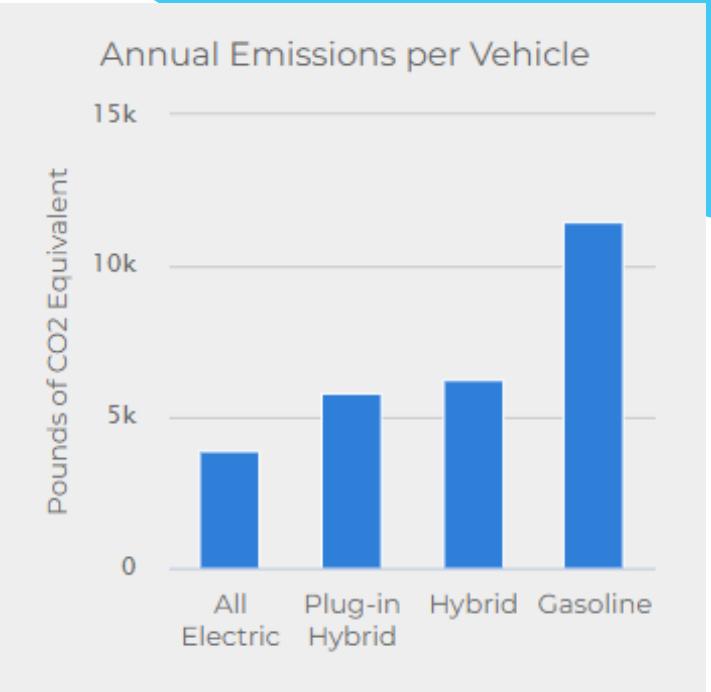
Basics: Benefits

Benefits

- Improved fuel economy
- Lower fuel costs
- Reduced emissions
- Increased energy security

Considerations

- Higher initial vehicle cost
- Infrastructure availability
- Battery life

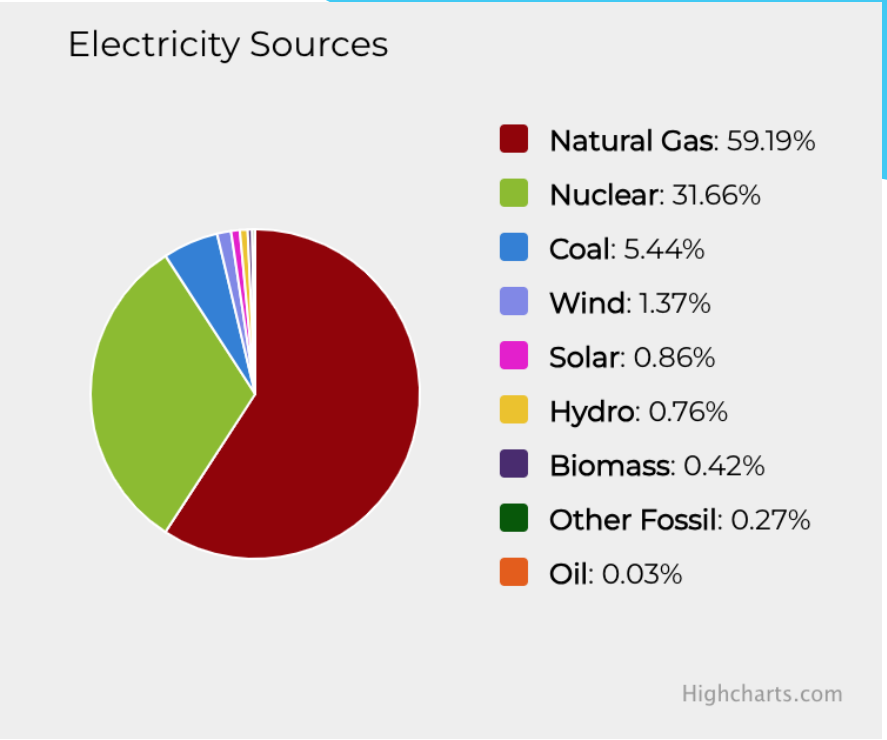


Basics: Electricity Production and Distribution

- Sources of electricity vary by region
- With planning, EVs are unlikely to strain existing electricity infrastructure

Helpful Resources

- The Alternative Fuels Data Center (AFDC) **Electricity Sources and Emissions tool**—find state-level electricity sources and how they affect EV well-to-wheels emissions.
- AFDC **EVI-Pro Lite tool**—estimate how increased EV charging may affect your area's electricity load profile.



Charging EVs and PHEVs

Tyle of Charger	Type of Current	Input Voltage (V)	Typical Charging Time	Primary Use
Level 1	Alternating Current (AC)	120 V	Approximately 5 miles of range per hour of charging	Residential
Level 2	AC	208 V or 240 V	Approximately 25 miles of range per hour of charging	Residential Commercial
DC Fast	Direct Current (DC)	208 V or 480 V	100-200+ miles of range per 30 minutes of charging	Commercial
Wireless	AC	Varies	10-20 miles of range per hour of charging	Commercial

First EV Automotive Technician Apprenticeship Program in the U.S. Launches

Community: Allegheny County, Pittsburgh, PA

Benefits from CC&C action:

- Modeled after German Handwerkskammer Apprenticeship Program
- New EV Automotive Technician's Training Laboratory equipped with Lucas-Nülle training systems opened
- 185 hours, 15-credit certificate program with paid, on-the-job training at dealerships

www.pgh-cleancities.org

Electric Construction Equipment Demonstration & Deployment

PITTSBURGH REGION CLEAN CITIES

EASTERN PENNSYLVANIA ALLIANCE FOR CLEAN TRANSPORTATION
EP-ACT

In 2023 Clean Cities and Communities:

- EUI of over 1 billion GGE
- Averted 9.1 million tons of GHG emissions
- Equivalent of taking 2.5 million ICE cars off the road
- Outreach events increased 18%
- Coalitions included nearly 16,000 stakeholders, 47% of them from the private sector.
- Activity Report: https://afdc.energy.gov/files/u/publication/clean_cities_and_communities_partnership_2023_activity_report.pdf

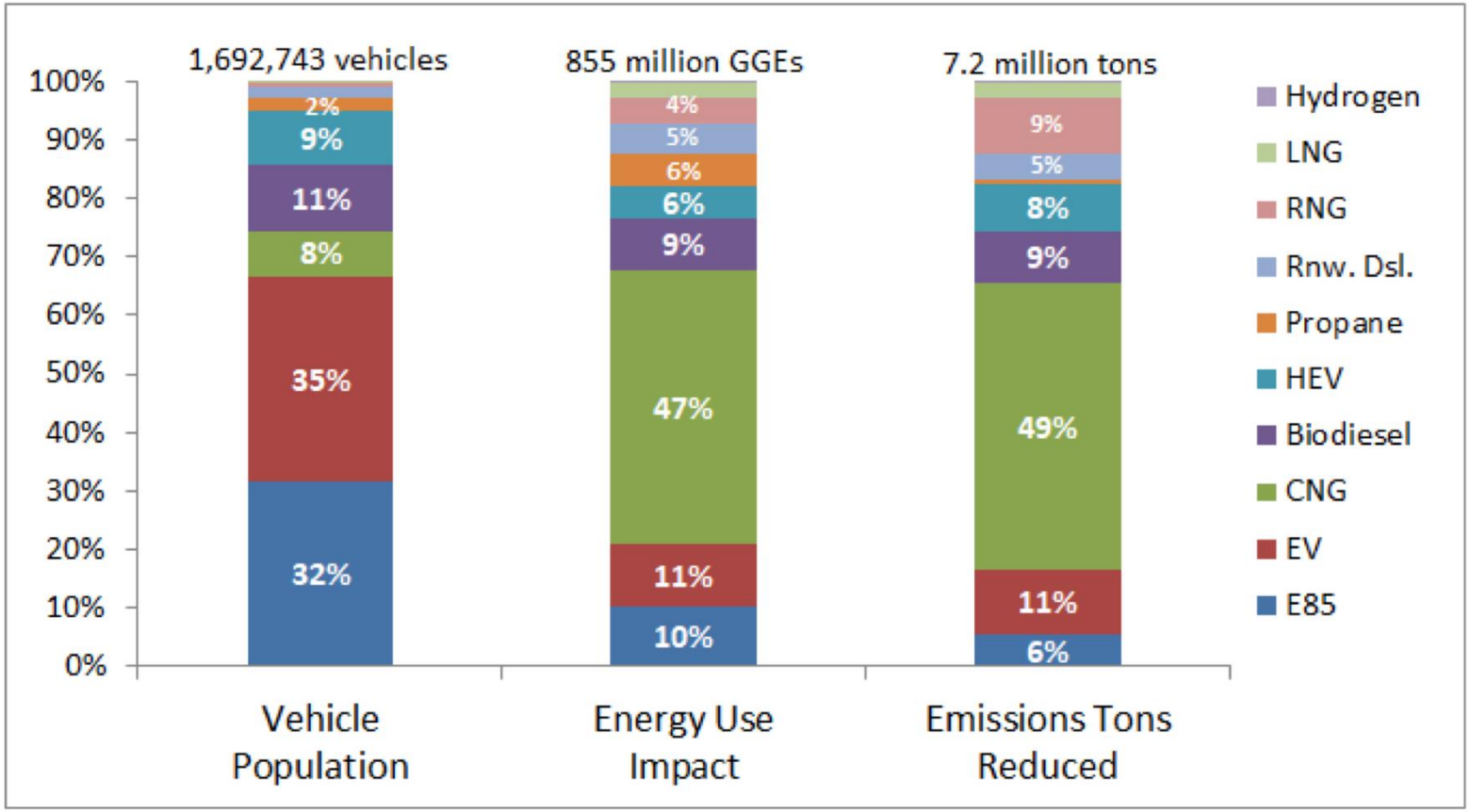
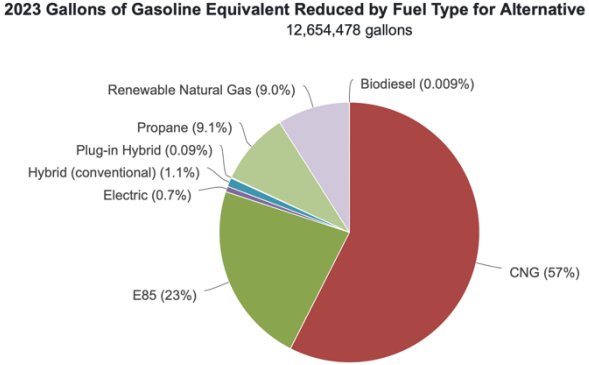
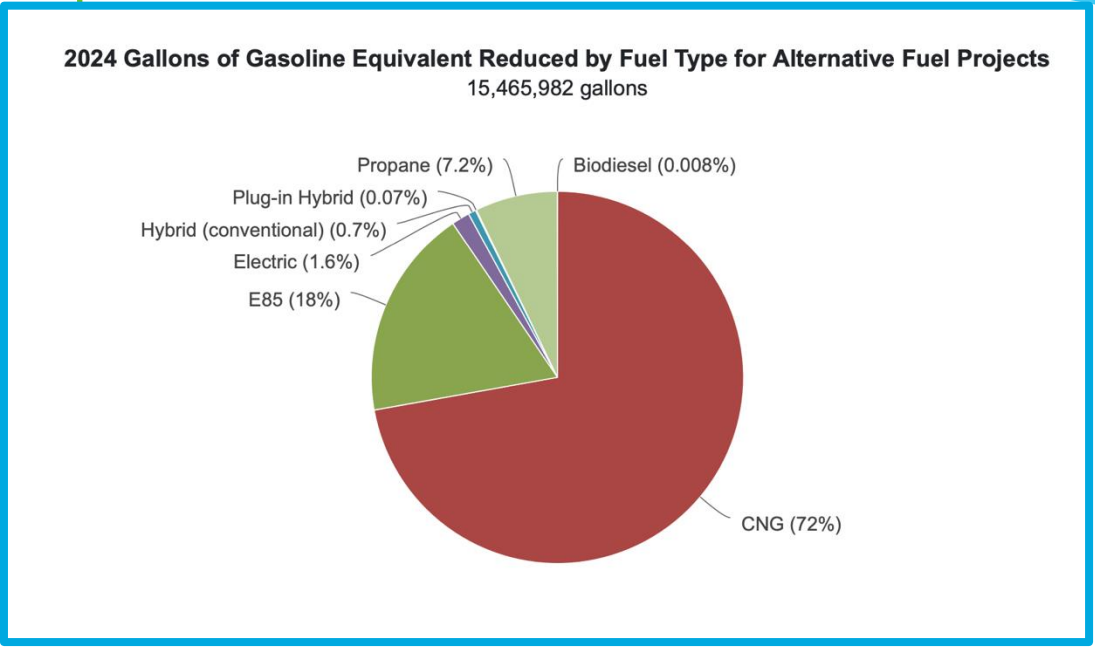


Figure 1. 2023 percentage of AFVs, EUI, and GHG emissions reductions by fuel type

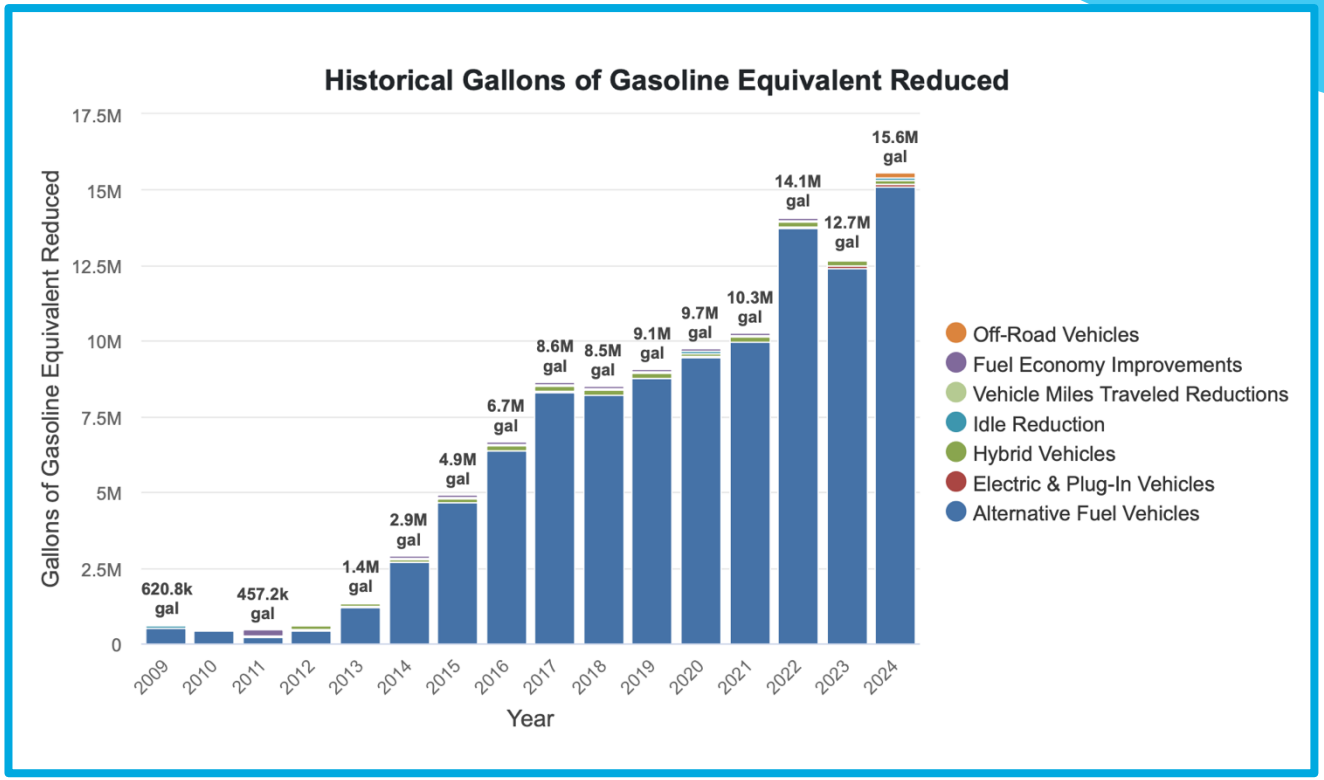
Assessment & Analysis
GGE Reduction Performance Analysis



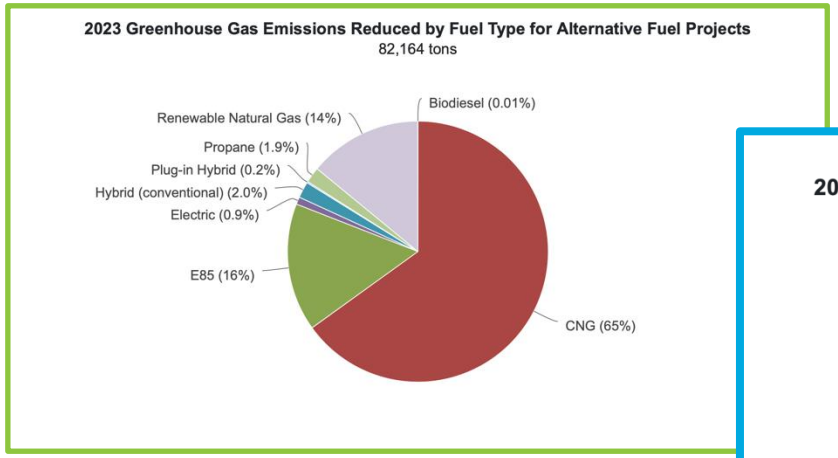
Reduced 15,569,292 Gallons



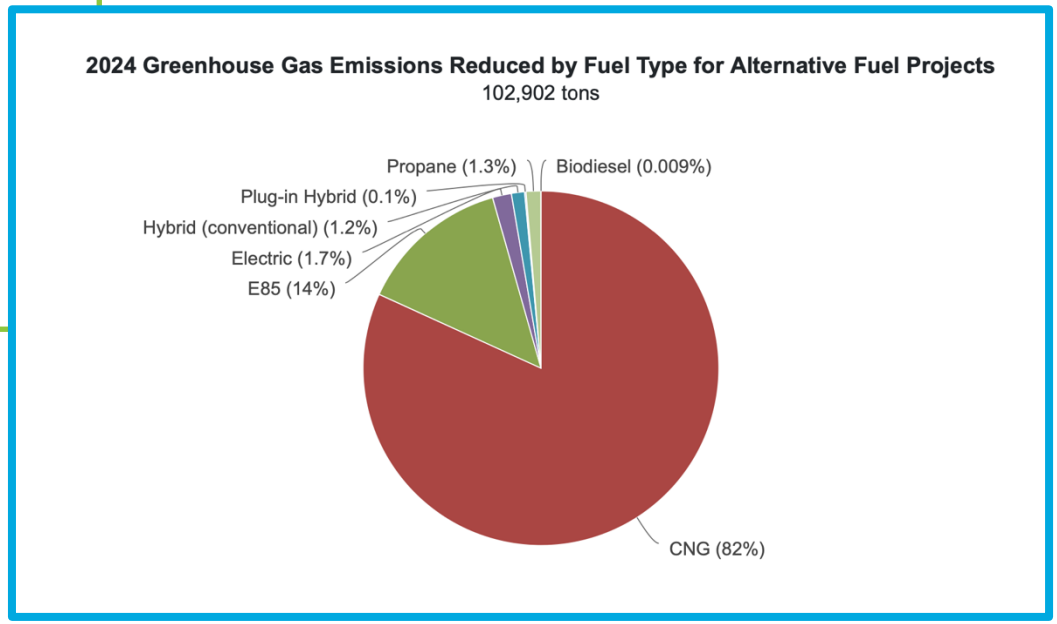
Assessment & Analysis: GGE Historical View:



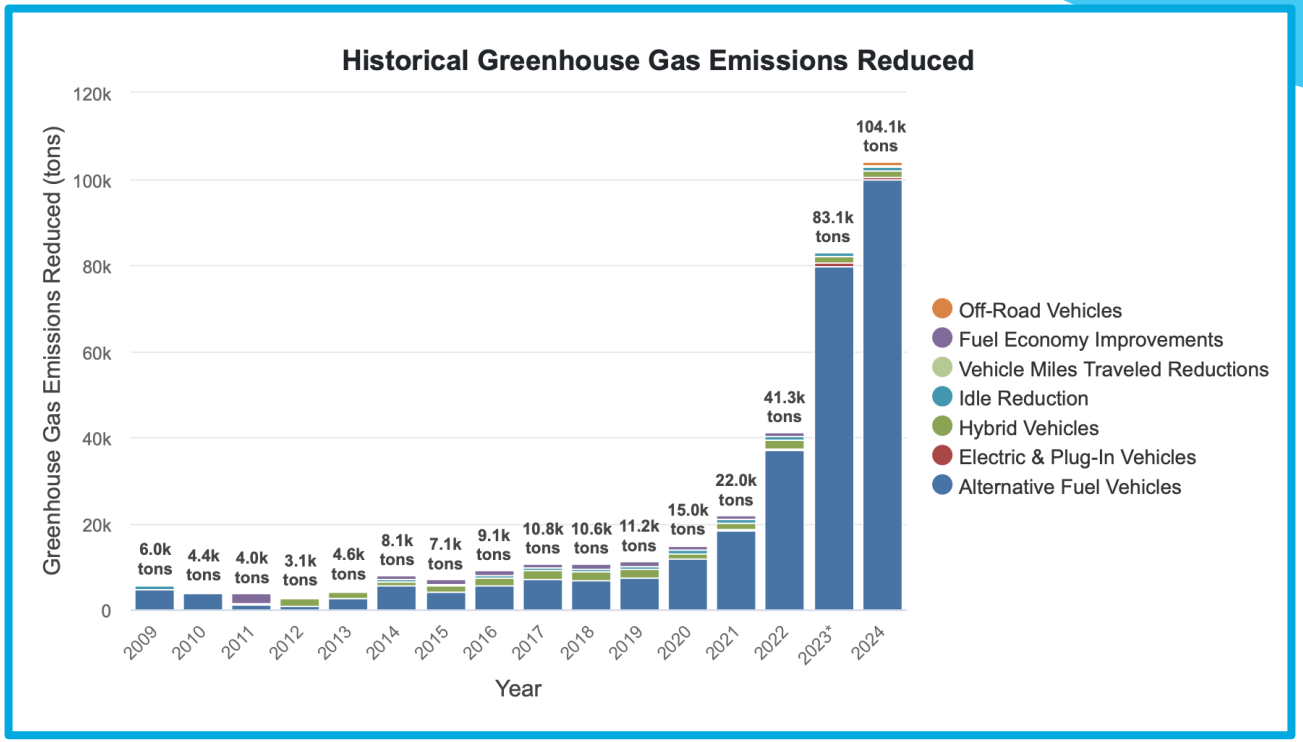
Assessment & Analysis:
GHG Reduction Performance Analysis



Reduced 104,121 Tons



Assessment & Analysis: GHG Historical View:



GHG/GGE Reduction Analysis Goals

YEAR	GGE INCREASE	%	GGE TOTAL	GHG INCREASE	%	GHG TOTAL
2017	-	-	8.6M gallons	-	-	10,800 tons
2018	-.1M gallons	-1%	8.5M gallons	-200 tons	-1.8%	10,600 tons
2019	+.6M gallons	7%	9.1M gallons	+600 tons	6%	11,200 tons
2020	+.6M gallons	6.5%	9.7M gallons	+3,800 tons	34%	15,000 tons
2021	+.6M gallons	6.2%	10.3M gallons	+7,000 tons	47%	22,000 tons
2022	+3.8M gallons	37%	14.1M gallons	+19,253 tons	88%	41,253 tons
2023	-1.4M gallons	-9.7%	12.7M gallons	+41,857 tons	101%	83,110 tons
2024	+2.8M gallons	22%	15.5 M gallons	+21,011 tons	25%	104,121 tons
2025	+1.5M gallons	10%	17M gallons	+15,618 tons	15%	119,739 tons
2025	+2.4M gallons	16%	17.9M gallons	+20,824 tons	20%	124,945 tons
2026	+2.8M gallons	16%	20.7M gallons	+24,989 tons	20%	149,9334 tons
2027	+3.3M gallons	16%	24M gallons	+29,986 tons	20%	179,920 tons
2028	+3.8M gallons	16%	27.8M gallons	+35,984 tons	20%	215,904 tons

Clean Cities and Communities

Thank You!

Kristen Sabol, PRCC Interim Executive Director, sabolkr@pgh-cleancities.org

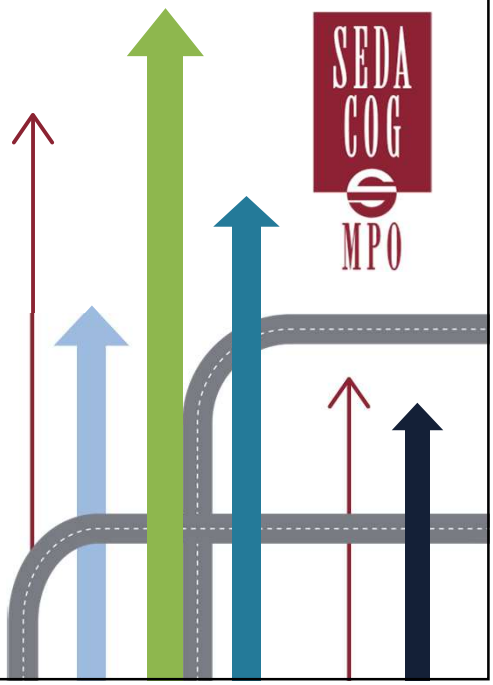
Tony Bandiero, EP-ACT Executive Director, tfbandiero@ep-act.org

SEDA-COG Metropolitan Planning Organization

2050 LONG-RANGE TRANSPORTATION PLAN

MPO Briefing
January 30, 2026

Michael Baker INTERNATIONAL



1

Overview

- Overall Planning Status
- Schedule to Close
- Review of Next Steps

2

Overall Planning Status

Plan Draft Gaps

- Background Profile
  - » Mapping
  - » Environmental Resources/Analysis
- Project Scoring
- Complete Functional Classification Update
- Appendices

3

Schedule to Close

- February 26: Steering Committee Meeting #5
  - » Present draft for approval to go to the MPO
- March 25: ACM
- April 10: MPO Meeting
  - » Approval to go out for public comment
- *April 17 to May 17: 30-day public review and comment period*
  - » *Week of May 4: Public Open House*
- June 12: MPO Meeting (adoption)

4

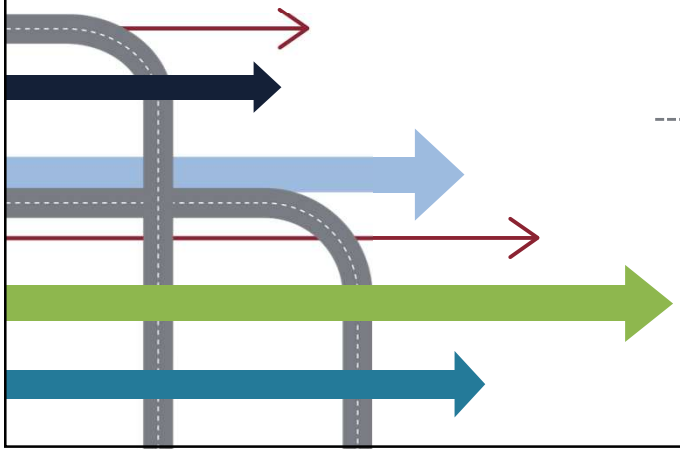
4

Next Steps

- Complete Draft Plan
- Complete Project Prioritization
- Submit proposed Functional Classification changes to PennDOT
- Steering Committee #5 (February 26, 10 AM)
- Prepare for ACM

5

THANK YOU!



Kristin McLaughlin, AICP
Email: kmclaughlin@seda-cog.org

Steve Herman, AICP
Email: sherman@seda-cog.org

Brian Funkhouser, AICP
Email: brian.funkhouser@mbakerintl.com

Peyton Trussell
Email: peyton.trussell@mbakerintl.com

PREPARED BY: Michael Baker INTERNATIONAL

6