

G2. Planning for Climate Pollution Reduction in Pennsylvania: State and MSA Perspectives

Regional Planning Perspective on CPRG in SWPA

October 15, 2024

10:15a-11:30a

Amy Wiles, AICP
Manager of Planning & Design, eHoldings
amy.wiles@eholdingsinc.com

Catherine Tulley, GISP
Manager of Environmental Programs
ctulley@spcregion.org



CM | 1.25 Sustainability



About the Commission

Pgh MSA



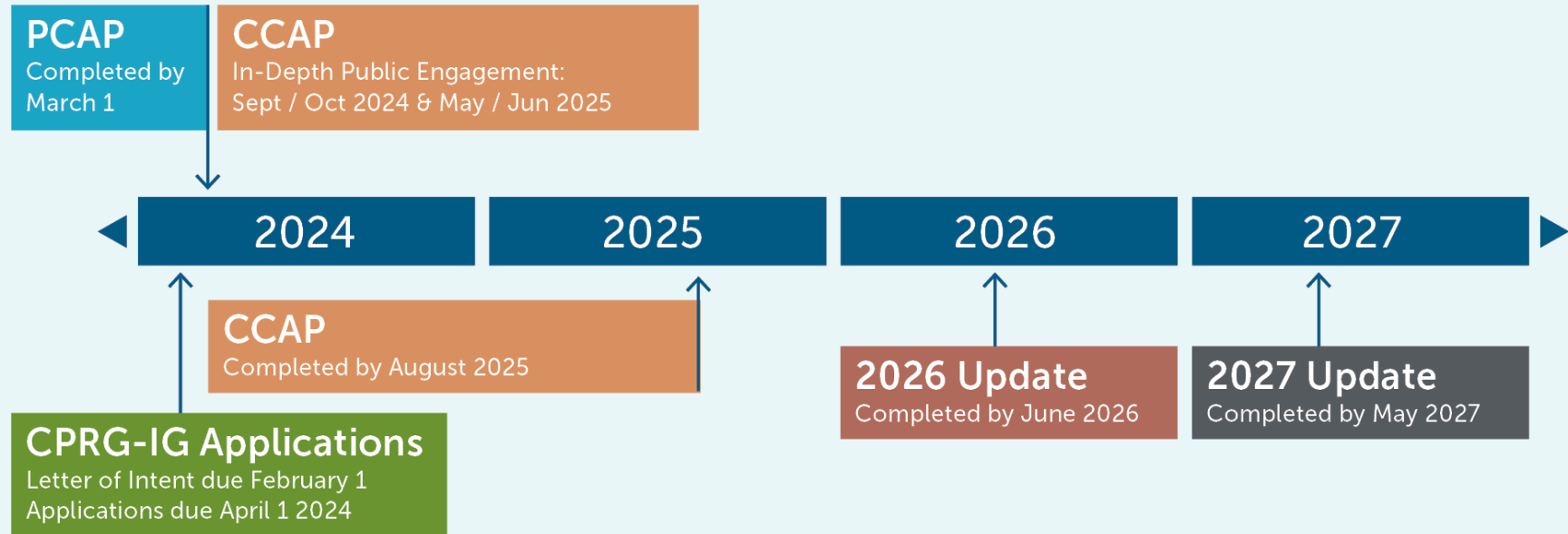
We are the federally-certified Metropolitan Planning Organization (MPO), Local Development District (LDD), and Economic Development District (EDD) serving the 10-county region in Southwestern Pennsylvania.

SPC helps our member counties and municipalities to access more than \$35 billion in state and federal transportation and economic development funds allocated to the region.

Website: www.spcregion.org

Population: MSA = 1.7M; MPO: 2.5M

Climate Pollution Reduction Plan Overview



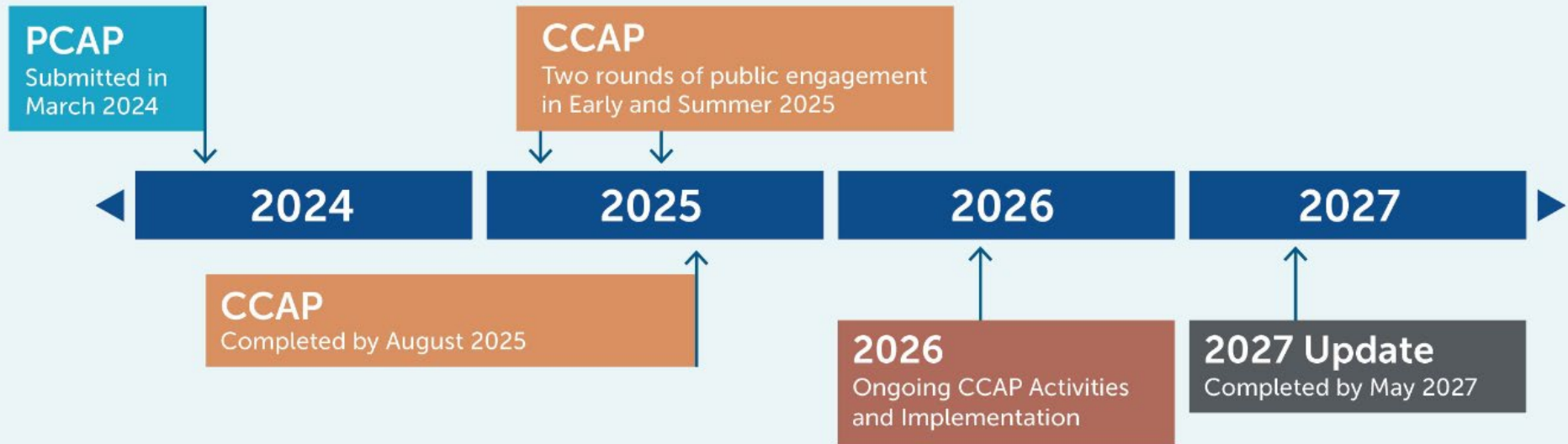
PCAP: Priority Climate Action Plan
CCAP: Comprehensive Climate Action Plan

CPRG-IG: Climate Pollution Reduction Plan
Implementation Grants

SWPA CPRG Timeline: 2023-2024

- Nov 2023: Consultant contract awarded; begin PCAP planning phase
- Dec 2023: SPC issued initial call-for-projects for the Implementation Grant application; this also coincided with development of the PCAP.

Planning Timeline



Stakeholder Engagement: Jan-Feb, 2024

- January 2024: Round 1 of stakeholder engagement for Implementation Grant; 1 meeting
- February 2024: Round 2 of stakeholder engagement; 4 workshops + 1 virtual public meeting

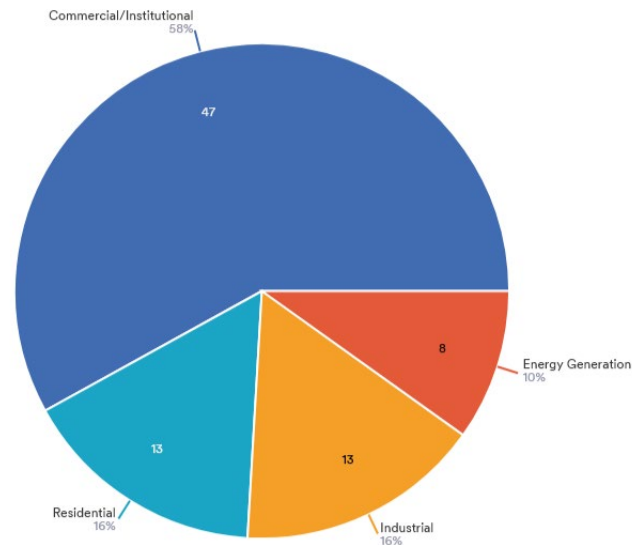


PCAP Submission: March 1, 2024

PCAP: Priority Climate Action Plan *Completed by 01 March 2024*

- Priority GHG Inventory
- Priority GHG Reduction Measures
- LIDAC Benefits Analysis
- Review of Authority to Implement

Sector	Quantified GHG Reduction Measures	Not Quantified GHG Reduction Measures
Electric Power	10	0
Transportation	13	4
Buildings	20	9
Industrial	4	3
Carbon Removal	2	1
Agricultural	1	0
Waste, Water, and Sustainable Materials Management	2	1
Total	52	18



SWPA PCAP Stats

Planning for Equitable Outcomes

Southwestern Pennsylvania represents and/or accounts for the following:

15%
of the state's
land area

Approximately
20%
of the state's
population

Approximately
22%
of the state's
total emissions

Of the 10 counties,
Allegheny has **48%**
of the population
and contributes
40% of the
emissions

 **12.7 M+**

The region's GHG emissions are equivalent to one year's worth of tailpipe emissions from 12.7 M+ gasoline-fueled passenger vehicles*

 **53.5 M**

Metric Tons of Carbon Dioxide Equivalent (MTCO₂e)

The region's current total GHG emissions

Regional Hazard Risk Factors



Riverine Flooding



Landslides

In Southwestern Pennsylvania:

There are **201** disadvantaged census tracts that have been identified, representing more than **500,000** people.

50%

of those people live in Allegheny County.

National Risk Index



15 ↓

This is 13 lower than Pennsylvania.
Pennsylvania has a value of 28.

Social Vulnerability



36 ↓

This is 2 lower than Pennsylvania.
Pennsylvania has a value of 38.

Community Resilience



73 ↑

This is 9 higher than Pennsylvania.
Pennsylvania has a value of 64.

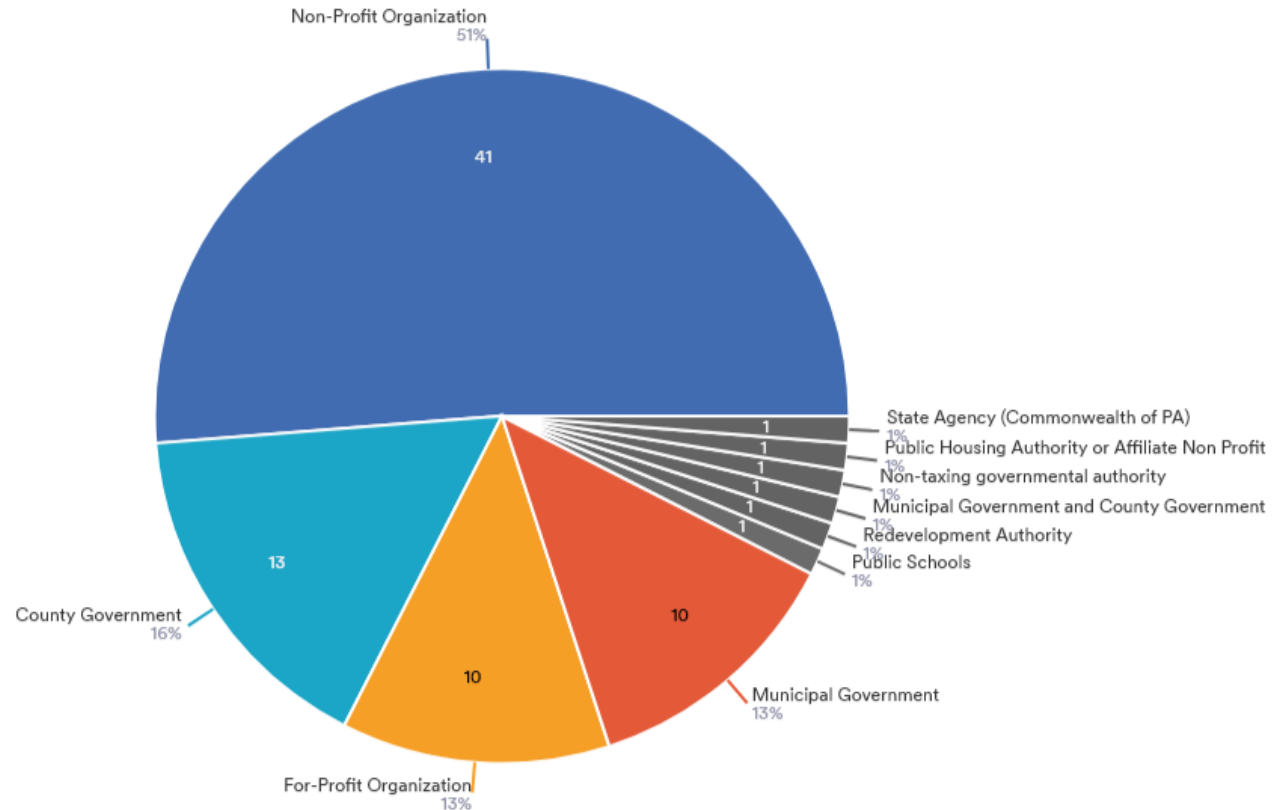
Expected Annual Loss



\$70,858,391

**From natural hazards per year*

Sponsor organization type:



April-July 2024:



Image credit: Tenor.com

(this was the “hurry up and wait” part!)

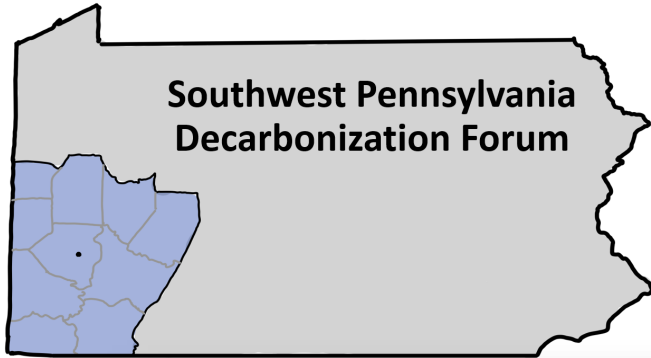
- Ongoing Steering Committee meetings; members include: 1 each per member county + 1 City of Pgh + 1 DEP)
- Begin planning for 1st Regional Advisory Committee meeting in August 2024

SWPA CPRG Timeline: July 2024

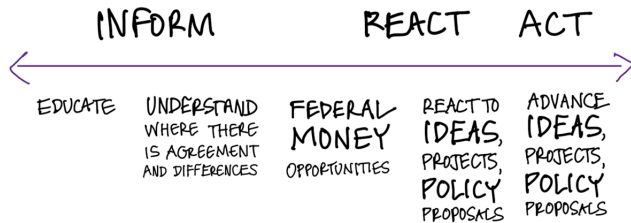


Shapiro Administration Secures Nearly \$400 Million in Federal Funding to Create Jobs and Cut Pollution

A quick look at the importance of partnerships....



RANGE OF POSSIBLE "MODES"



CCAP:

Comprehensive Climate Action Plan

Completed by August 2025

- Comp. GHG Inventory
- Comp. GHG Reduction Measures
- **LIDAC Benefits Analysis**
- Review of Authority to Implement
- GHG Emissions Projections
- GHG Reduction Targets
- **Comprehensive Benefits Analysis**
- **Intersection with other funding availability**
- **Workforce Planning Analysis**



Developing a thriving
workforce in the
Pittsburgh area.

**PARTNER
4 WORK**

Pittsburgh Receives Federal Designation as a Key Workforce Hub, Sending a Strong Signal that Pennsylvania is Open for Business

May 17, 2023

Sustainable Pittsburgh selected for clean energy workforce initiative

TRIB
LIVE

STEPHANIE RITENBAUGH | Wednesday, August 9, 2023 8:38 p.m.

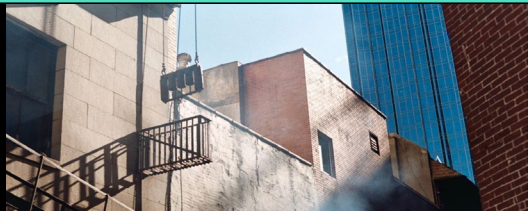


Sustainable PGH

Southwestern Pennsylvania Commission

INDUSTRY

- Electrification and efficiency
- Solutions for hard-to-decarbonize processes



BUILDINGS

- Electrification and energy efficiency
- Performance improvements through design

TRANSPORTATION

- Electrification/clean fuels and infrastructure
- Mode shift and reduction of vehicle miles traveled



LAND USE AND AGRICULTURE

- Sustainable agriculture practice
- Smart growth and enhancing carbon sinks (e.g. forests)

POWER AND ENERGY

- Scale up zero carbon energy sources
- Grid and infrastructure improvements

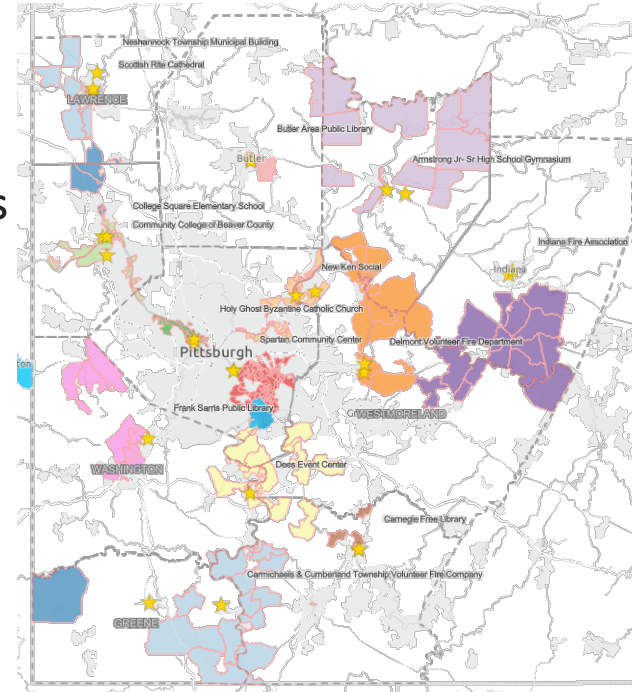


Sustainable PGH

Southwestern Pennsylvania Commission

Planning ahead for the CCAP:

- Outreach to 12-15 Justice 40 clusters in each of the 10 counties
- **First round of public engagement: February 2025**
 - 11 Open Houses (1 per county + COP)
 - Child-friendly
 - Solicit input to the CCAP
- **Second round of public engagement: May-June 2025**
 - 11 public meetings (1 per county + COP)
 - Formal 30-day comment period per our MPO Public Engagement Process
 - GOAL: publish the CCAP August 1, 2025 (adhering to the original EPA schedule)



Thank you!

Questions?

Learn more at <https://www.spcregion.org/cprg/>



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www.spcregion.org