

PLANNING FOR CLIMATE POLLUTION REDUCTION IN PENNSYLVANIA: PHILADELPHIA MSA PERSPECTIVE

CLIMATE ACTION PLAN

APA PA 2024 Annual Conference
Presented by: Chris Linn
October 15, 2024

Warming Stripes Credit: Professor Ed Hawkins



Who's Here and Why?

Who is in the audience today?

- Local government staff (cities, counties, municipalities)
- MPOs, RPOs, or COGs
- Nonprofits
- Consultants
- Students
- State or federal agency staff

How many contributed to a Climate Action Plan funded by this program or a Phase 2 CRPG implementation grant?

How many are working on a climate mitigation plan or process?

CPRG: \$5 Billion for Climate Action



1. \$240 M non-competitive grants for plans to reduce GHG emissions

- i. States (\$3M) and **MSAs (\$1M)**
- ii. Timeframe: Summer 2023 - 2027
 1. Priority Climate Action Plan (**PCAP**) (submitted March 2024)
 2. Comprehensive Climate Action Plan (**CCAP**) (due December 2025)
 3. **Status Report** (due Summer 2027)

2. \$4.6 B Implementation grants to reduce GHG emissions (awarded in July 2024)

- i. Grants ranging from \$2 million to \$500 million
- ii. Actions must be included in PCAP in order to be eligible

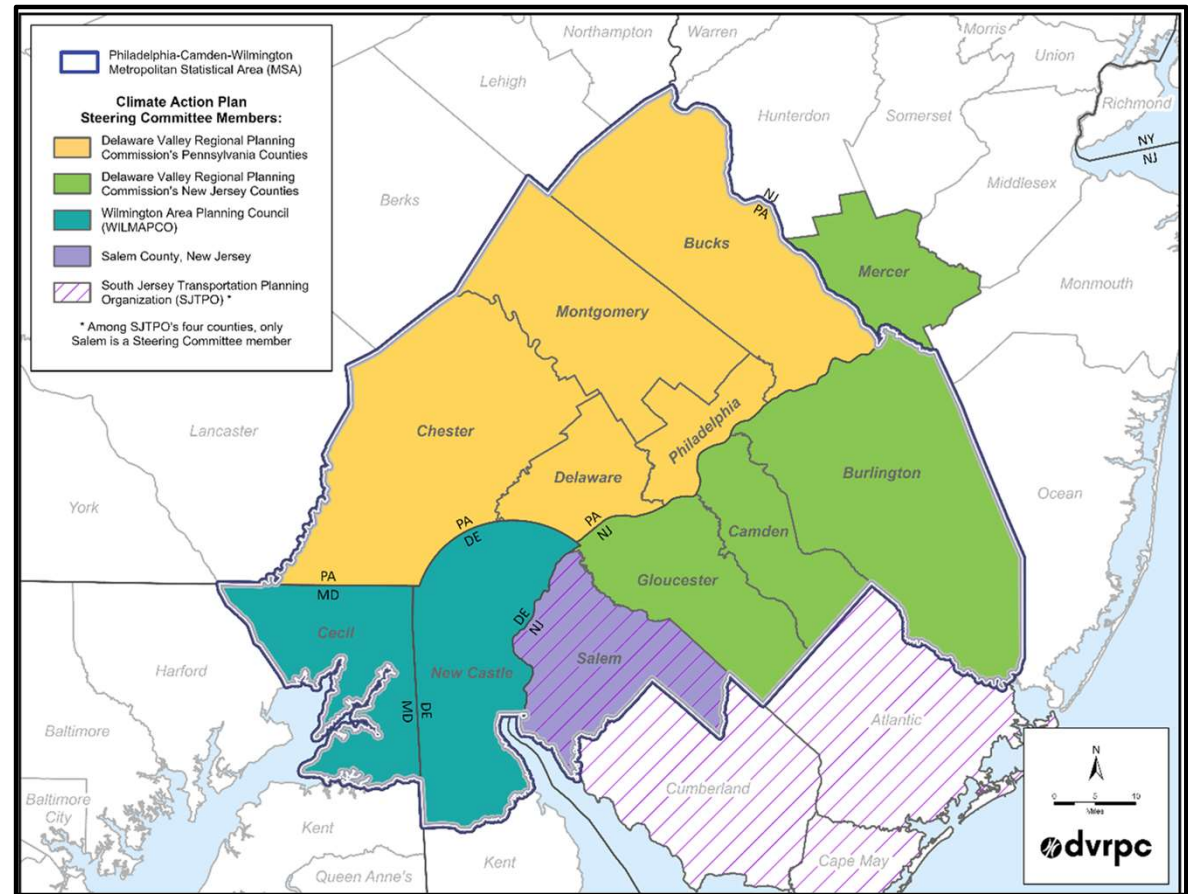
Philadelphia-Camden-Wilmington MSA

4 States

12 Counties

3 MPOs

387 Municipalities

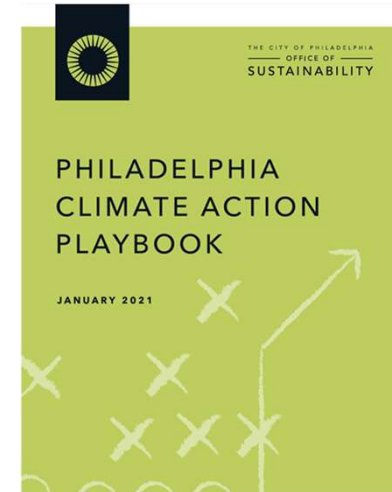
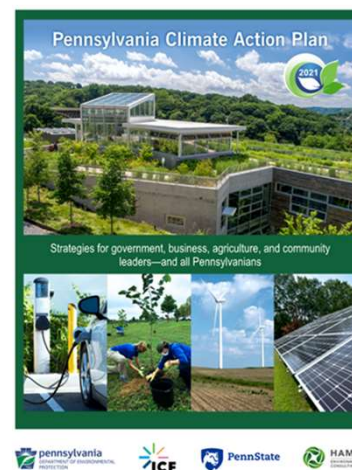
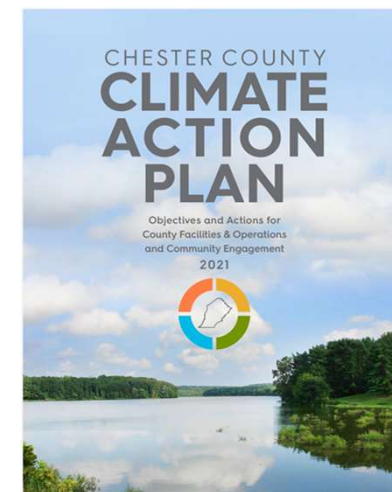
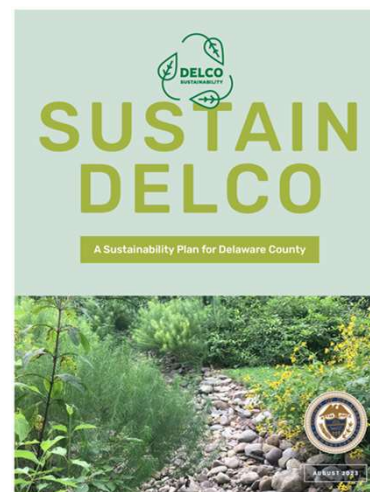


Opportunity to Scale Up Action

Emerging County and Local Climate Action Plans

Prior and current energy and climate mitigation work

- Regional GHG Inventory (2008, 2013, 2018, 2023)
- Sustainable Energy Partnership of Southeast PA
- Regional LED Streetlight Procurement Program
- Solar Ready II partner
- Municipal Energy Management - Circuit Rider Program
- EV Resource Kit for Municipalities
- NREL C2C
- Evaluating the impact of transportation projects on GHGs



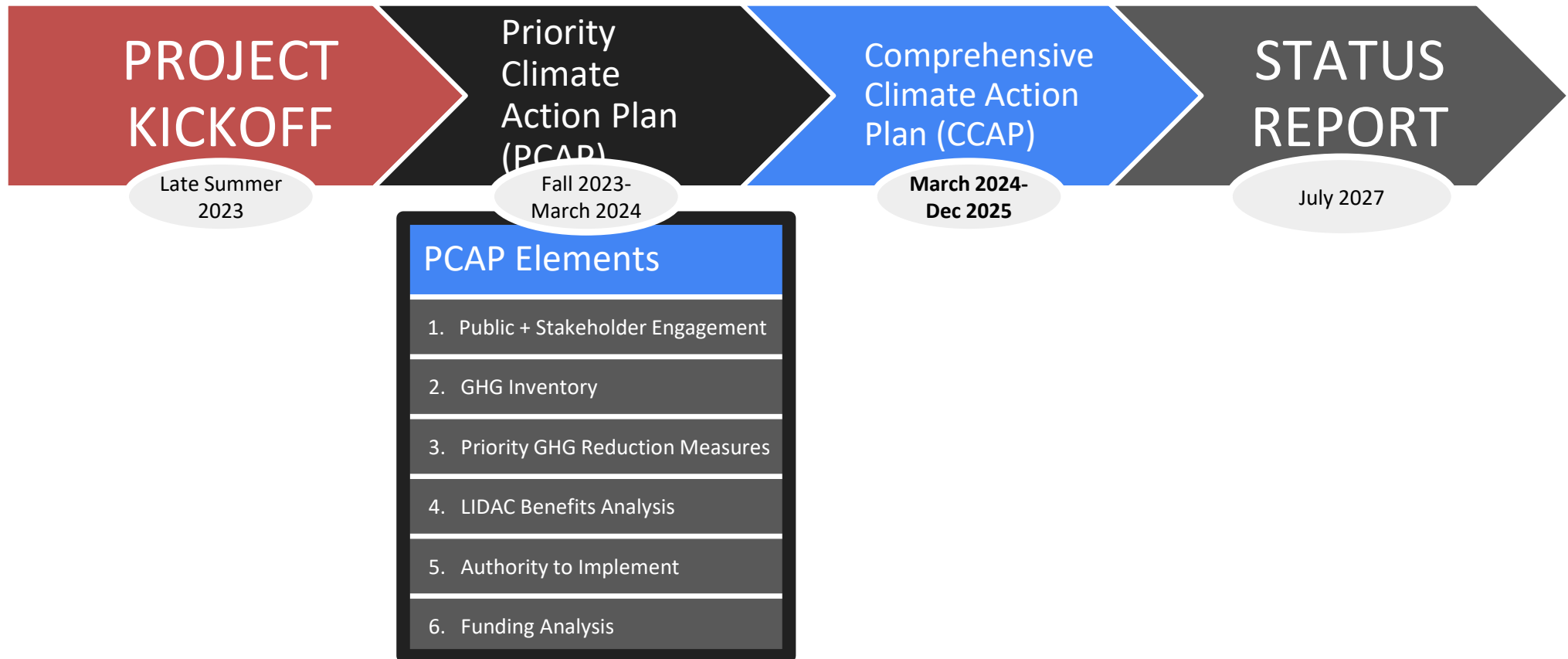


Priority Climate Action Plan



Warming Stripes credit: Professor Ed Hawkins, www.showyourstripes.info

High-Level CPRG Timeline



CPRG MSA Steering Committee

Core Team
(Leadership)



MSA-WIDE STEERING COMMITTEE TO INFORM MSA-WIDE PCAP, CCAP, AND STATUS REPORT

Subcommittees

PENNSYLVANIA	
Philadelphia Office of Sustainability	PEA + PGCC
Bucks County	Chester County
Delaware County	Montgomery County
PA DEP (+ other state agencies)	Transit Authorities

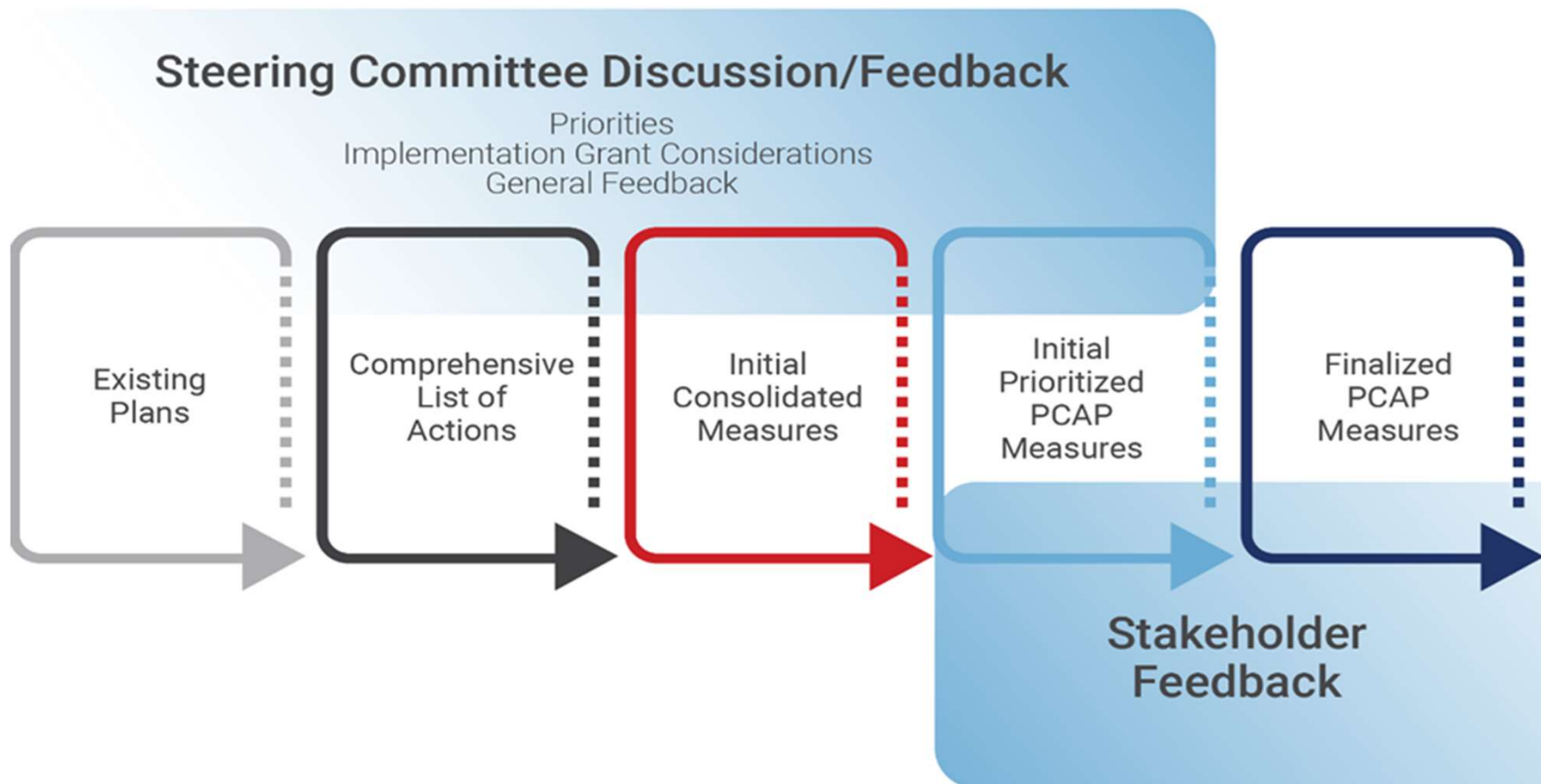
NEW JERSEY	
SJTPO	Salem County
Burlington County	Gloucester County
Mercer County	Camden County
NJ DEP (+ other state agencies)	Transit Authorities

DELAWARE-MARYLAND	
WILMAPCO	New Castle County, DE
Cecil County, MD	DNREC (+ other state agencies)
MDE (+ other state agencies)	Transit Authorities

Working Groups

Working groups TBD
(E.g. utility, workforce, etc)

Process for Developing PCAP Measure



PRIORITY CLIMATE ACTION PLAN

Philadelphia-Camden-Wilmington,
PA-NJ-DE-MD Metropolitan Statistical Area

**The PCAP
identified
actions to:**

Support
Decarbonization of
Local Government
Operations

Implement Energy
Efficiency,
Electrification, and
Clean Energy for
Residential Buildings

Implement Energy
Efficiency,
Electrification, and
Clean Energy for
Commercial
Buildings

Transition Light Duty
Vehicles to Low- or
No-Carbon Emission
Vehicles

Expand and Improve
Transit

Implement Bicycle,
Pedestrian and
Active Transportation
Improvements

Implement a Clean
Electricity Grid and
Ensure Grid
Reliability

Reduce Solid Waste
and Better Manage
Waste Generated

Reduce Emissions at
Wastewater
Treatment Plants and
Increase Generation
of Biomethane

Reflections on PCAP

- **Difficult to narrow down priority actions - the plan wasn't very "prioritized"**
- **Engagement process was limited, but laid foundation for CCAP engagement**
- **Shared regional knowledge and built capacity**
- **Outside urbanized areas, landscape of LIDAC-serving programming is weak or segmented**
- **Provided an opportunity to partner on implementation grants, but collaborating on regional projects is difficult**
- **Accessing funding to scale up existing efforts or pilot new programs is a challenge**
- **No clear path on how to actually implement strategies/actions**
- **Success - Submitted PCAP!**

CPRG Implementation Grants

\$4.6 billion available, \$32 billion requested

Awarded :)

1. **PA ~\$400M:** Reducing Industrial Sector Emissions in Pennsylvania (RISE-PA)
2. **NJ DEP (Coalition Application w/CT, DE, MD) ~\$250M:** Clean Corridor Coalition: A Proposal for ZE-MHDV Infrastructure Along the I-95 Corridor

Not Awarded :(

1. **Philadelphia Energy Authority ~\$200M:** Multi-entity pool to decarbonize building and electric grid sectors in southeast PA.
2. **SEPTA/OTIS ~\$200M:** Freight separation for airport line (Reimagining Regional Rail) + e-bike enhancement for Indego.
3. **SEDA COG ~\$20M:** Regional fund and county-wide multi-use trail network
4. **LVPC: \$115: LV Green Transportation Infrastructure Project**
5. **SPC: ~\$200M:** SW PA Resiliency Fund - competitive fund for energy efficiency, etc.



Comprehensive Climate Action Plan



Warming Stripes credit: Professor Ed Hawkins, www.showyourstripes.info

High-Level CPRG Timeline



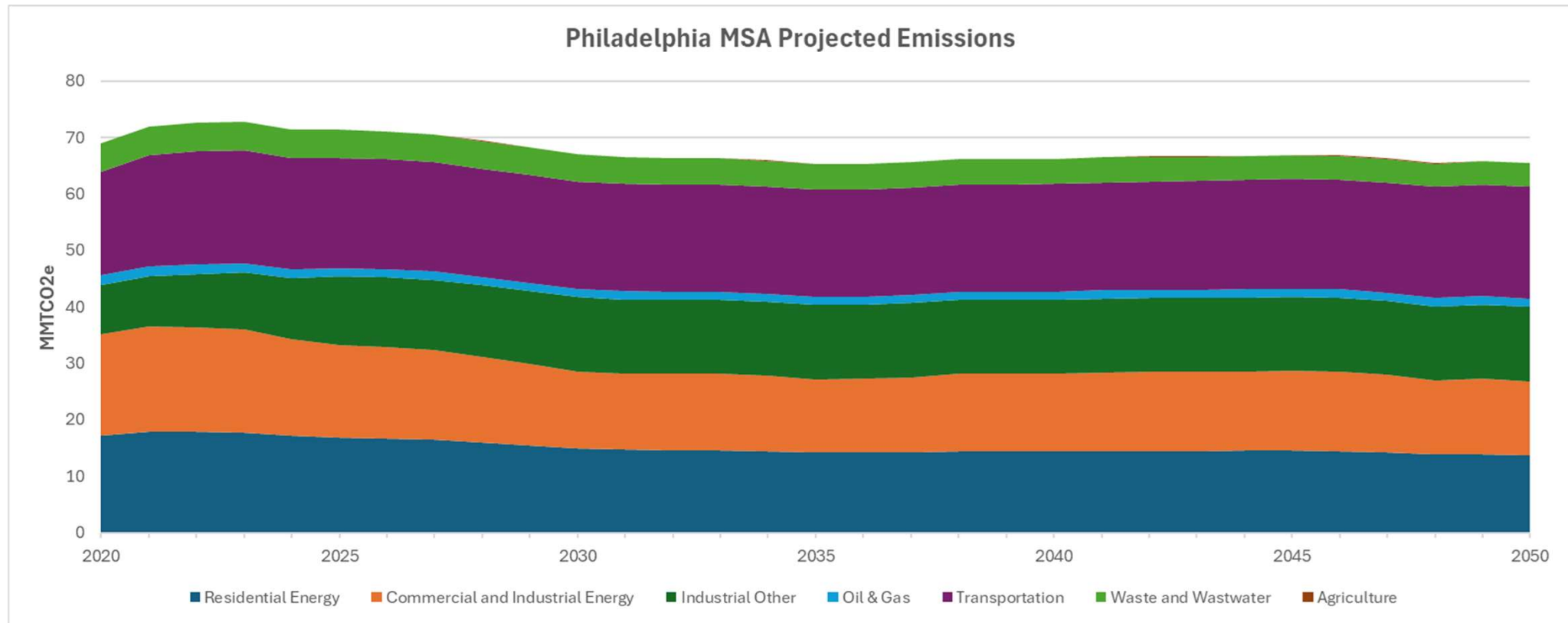
Comprehensive Climate Action Plan (CCAP) =
Economy Wide Plan to Achieve Net Zero GHG Emissions by 2050 (with interim targets)

CCAP Elements

1. Public + Stakeholder Engagement
2. GHG Inventory, Targets and Projections
3. Economy-wide GHG Reduction Measures
4. LIDAC and Full Community Benefits Analysis
5. Authority to Implement
6. Funding Analysis
7. Workforce Analysis

1. Buildings
2. Transportation
3. Electricity Gen
4. Solid Waste
5. Water/Wastewater
6. Industrial
7. Oil and Gas
8. Agriculture
9. Land Use/ Zoning

BAU Emissions



Stakeholder Engagement

June 2024–Summer 2025

Purpose: Receive technical feedback on the CCAP measures and actions + assoc. benefits of each.

- **MSA Steering Committee**
- **Subject Matter Expert (SME) Conversations (Summer 2024)**
- **On-going SME feedback**
- **DVRPC feedback**

Public Engagement

Phase 1

August–Summer 2025

Purpose: Hear what is important and most impactful to those in LIDAC communities

Tasks:

- **CBO Steering Committee**
- **Residential Focus Groups**

Public Engagement

Phase 2

Winter–Summer 2025

Purpose: Public comment on the CCAP

Tasks:

- **Public Comment Board for CCAP Draft**
- **Webinar to “close the loop” with target audiences (stakeholders and implementers)**
- **Update Website with Final Draft of CCAP**

Next Steps

- CCAP due in December 2025
- Platform to increase coordination and scale action
- Accelerate efforts to integrate GHG reduction in DVRPC's existing programs (TIP, carbon reduction program, EV infrastructure support, etc.)
- Achieving reductions will require massive efforts from all partners across all sectors
- CPRG-supported planning is a great start!



THANK YOU!

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