

→ **2024 Pennsylvania Climate Impacts Assessment and
Climate Action Plan**

Presentation to Climate Change Advisory Committee

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Agenda

1. **2024 Climate Impacts Assessment (CIA) and 2024 Climate Action Plan (CAP)**
2. **Climate Pollution Reduction Grant (CPRG) – Comprehensive Climate Action Plan**
 - Overview of program
 - Act 70 CAP and CCAP overview
 - Engagement Planning
 - Q&A and Discussion



→ 2024 Climate Impacts Assessment

An opportunity to further enhance the risk-based approach to evaluating climate change impacts pioneered in the 2021 CIA.

Final Climate Impact Assessment Submitted in Spring 2024

Executive Summary

Key Terms

Chapter 1: Introduction

Chapter 2: Expected Climate Changes in PA

Chapter 3: Risk Assessment Overview

Chapter 4: Spotlight Issues*

Chapter 5: Economic Opportunities

Chapter 6: Conclusions and Recommendations

Appendix A: Risk Assessment Methodology

Appendix B: Risk Assessment Details

Appendix C: Climate Analysis Details

*Spotlight issues focused on:

- Flooding impacts to air quality and health
- Heat impacts to occupational exposure and public health
- Climate change impacts to energy resilience.

Updates made in response to CCAC feedback, state agency review throughout document



→ 2024 Climate Action Plan

An opportunity for DEP to create a bold vision that exceeds goals; dives deeper into assessing the costs, benefits, co-benefits, and impacts for Pennsylvanians, particularly those in disadvantaged communities; and takes a stronger implementation focus with the aim of being a blueprint for action and potential legislative changes.

Final Climate Action Plan Submitted in Summer 2024

Executive Summary

CHAPTER 1 Introduction

CHAPTER 2 The Pennsylvania Climate Landscape

CHAPTER 3 Greenhouse Gas Emissions

CHAPTER 4 Greenhouse Gas Reduction Opportunities

Updated Modeling and integration with BAU

Economic Modeling and Air Quality Results

CHAPTER 5 Climate Change Impacts

CHAPTER 6 Adaptation Opportunities

Added Full list of strategies

CHAPTER 7 Legislative Recommendations

Change in DEP recommendations

CHAPTER 8 Implementing Climate Action

Energy Rate Analysis

APPENDIX A- Key Terms

APPENDIX B- BAU Methodology

APPENDIX C- Federal Funding Opportunities

APPENDIX D- Embodied Carbon

Updates made in response to CCAC feedback, state agency review throughout document



→ CPRG Comprehensive Climate Action Plan

The Climate Pollution Reduction Grants (CPRG) program provides nearly \$5 billion in grants to states, local governments, tribes, and territories to develop and implement ambitious plans for reducing greenhouse gas emissions and other harmful air pollution.

Overview of Climate Pollution Reduction Grant Program

\$5B for Climate Action:

- \$250 M non-competitive grants for plans to reduce GHG emissions
 - States (\$3M) and MSAs (\$1M)
 - Timeframe: now-2027
 - Priority Climate Action Plan (PCAP) (submitted March 2024)
 - Comprehensive Climate Action Plan (CCAP) (due July 2025)
 - Status Report (Summer 2027)

\$4.6 B Implementation grants for actions specified in PCAPs:

- Grants ranging from \$2 million to \$500 million
- Actions must be included in PCAP in order to be eligible
- Applications submitted by April 1, 2024



**Near-term, implementable
and significant GHG
reduction priorities in the
MSA**

Act 70 CAP and CCAP

CCAPs have a range of required and optional items, many of which have been included in the Act 70 CAP.

Our plan is to rework the Act 70 CAP as the CCAP with previous strategies being changed to fit as CCAP measures.

- Will add in [timeline and milestones for implementation](#)
- Additional [quantified co-pollutant information](#)
- Articulation of [LIDAC co-benefits with quantified analysis](#)
- Additional work on [funding opportunities](#)
- [Workforce](#) planning analysis
- Other new sections and materials
- Connection to engagement work



Draft Engagement Planning

Engagement Goal: Engage as many Pennsylvania residents, organizations, and local governments as possible who represent the diversity of the Commonwealth. For each of these audiences, the engagement plan seeks to:

1. **inform interested parties** about the CCAP (what it is, why it's important, how it will be used, etc.),
2. **solicit feedback** on audience-specific questions,
3. understand how the proposed **CCAP actions will impact each audience**,
4. solicit feedback on what **concerns are currently missing from the CCAP**, and
5. **direct the audience to existing resources** that are most relevant to them.



Solar panels on a farm in Lycoming County

Draft Engagement Planning

Engagement team is considering the following approaches:

- General Public All Pennsylvanians:

- StoryMap
- Virtual public meeting

- Environmental Justice (EJ) Communities:

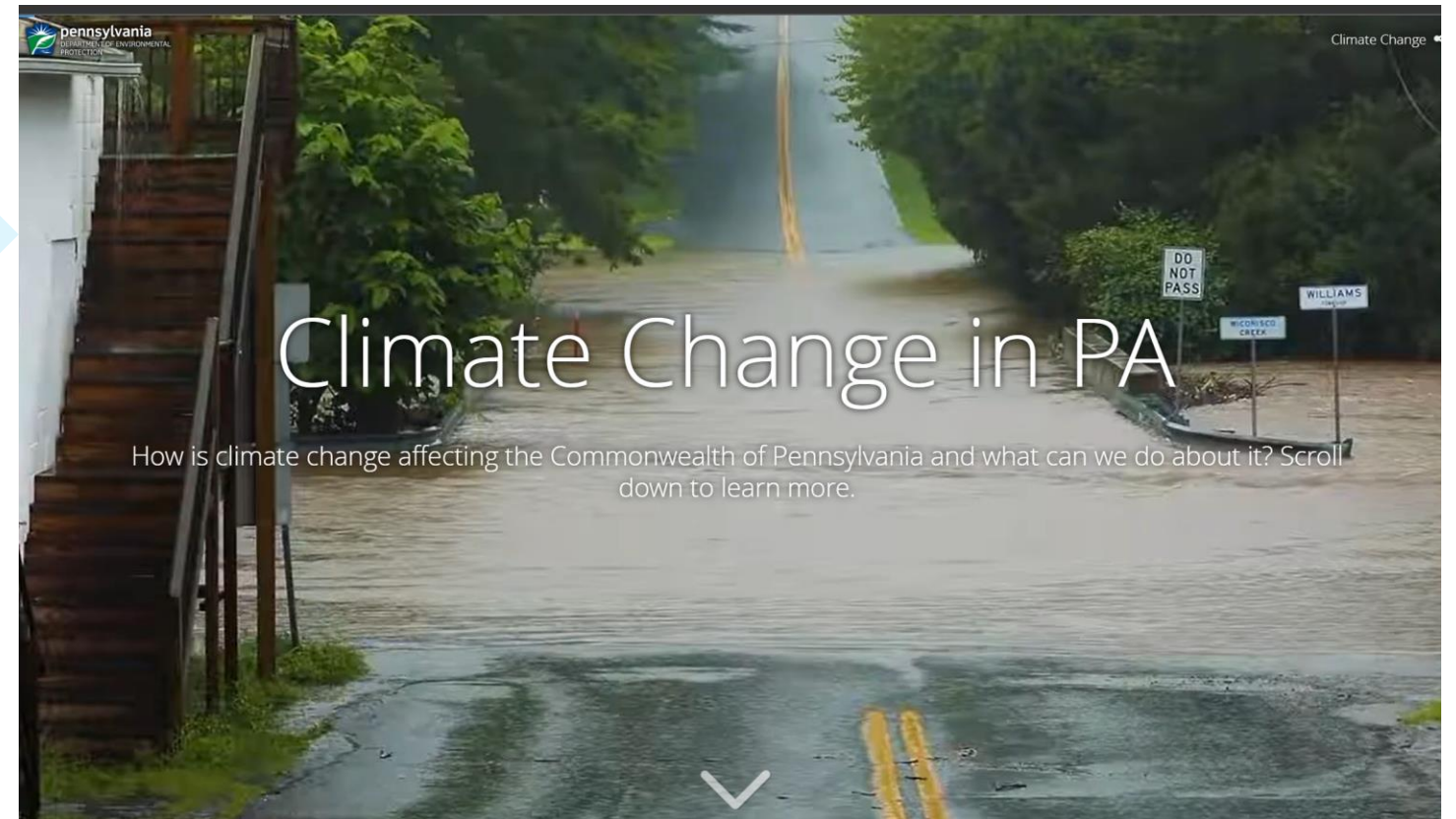
- in-person workshops

- Partners

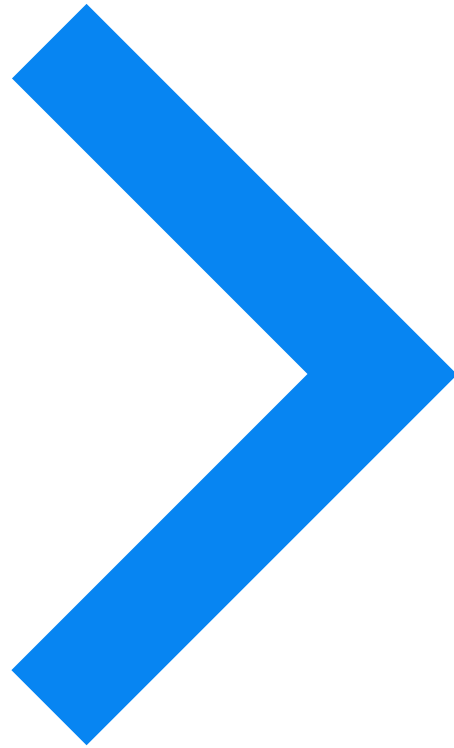
- virtual sector-specific webinars

- Local Government

- virtual local government webinars



DEP's Climate Change Story Map



Climate Action Plan Q&A and Discussion