

PENNSYLVANIA CLIMATE ACTION PLAN OUTLINE

The outline below describes the sections and contents of the 2021 Climate Action Plan report, with distinct sections for GHG reduction and adaptation strategies. As ICF and DEP work to develop this report, ICF anticipates there will be ongoing discussions about how to best present information between the main body of the report and the appendix to ensure the report is publicly accessible and user-friendly. To that end, some of the more technical content may ultimately move into an appendix or technical supporting document.

- Executive Summary
- Introduction
 - Act 70 and EO 2019-1
 - History of the CAP in Pennsylvania
 - Current context and climate impacts in Pennsylvania and how these inform the CAP
 - COVID, accelerating climate action and commitments, increased interest in health, equity, etc.)
 - Risk to Pennsylvanians and what that means
 - CAP development process/CCAC engagement
 - CAP Contents
- Pennsylvania's Greenhouse Gas Inventory, Forecast and Ongoing GHG Reduction Efforts
 - Summary of GHG inventory
 - Summary of BAU methodology, results, and notes on uncertainty
 - Summary of Pennsylvania's ongoing climate efforts and commitments
 - Brief summary of key efforts and how they are built upon in this CAP, by sector , including:
 - DEP's [Local Climate Action Program](#)
 - Efforts of other PA agencies, e.g., [DCNR's adaptation plan](#) and [PennDOT's vulnerability study](#)
- Opportunities for Reducing Greenhouse Gas Emissions in Pennsylvania
 - Approach
 - Process to identify potential strategies
 - Prioritization process and criteria descriptions
 - List of prioritized strategies
 - GHG reduction accounting approach (building on BAU), with specifics for power sector and CHP
 - Economic and co-benefits (air quality, health, equity) approaches
 - Summary
 - Summary of quantitative and qualitative metrics across all sectors and strategies: energy, GHG reduction potential, air quality benefits, health benefits, equity, and economic benefits; including indication of achievement of GHG 2025 and 2050 goals
 - Sector: Buildings (Residential and Commercial)
 - Strategies
 - Challenges

- Summary of quantitative and qualitative metrics for sector and by strategy: energy, GHG reduction potential, air quality benefits, health benefits, equity, and economic benefits
- Sector: Transportation
 - Strategies
 - Challenges
 - Summary of quantitative and qualitative metrics for sector and by strategy: energy, GHG reduction potential, air quality benefits, health benefits, equity, and economic benefits
- Sector: Industry
 - Strategies
 - Challenges
 - Summary of quantitative and qualitative metrics for sector and by strategy: energy, GHG reduction potential, air quality benefits, health benefits, equity, and economic benefits
- Sector: Fossil and Alternative Fuels
 - Strategies
 - Challenges
 - Summary of quantitative and qualitative metrics for sector and by strategy: energy, GHG reduction potential, air quality benefits, health benefits, equity, and economic benefits
- Sector: Electricity
 - Strategies
 - Challenges
 - Summary of quantitative and qualitative metrics for sector and by strategy: energy, GHG reduction potential, air quality benefits, health benefits, equity, and economic benefits
- Sector: Waste
 - Strategies
 - Challenges
 - Summary of quantitative and qualitative metrics for sector and by strategy: energy, GHG reduction potential, air quality benefits, health benefits, equity, and economic benefits
- Sector: Agriculture
 - Strategies
 - Challenges
 - Summary of quantitative and qualitative metrics for sector and by strategy: GHG reduction potential, air quality benefits, health benefits, equity, and economic benefits
- Sector: Land Use and Forestry
 - Strategies
 - Challenges

- Summary of quantitative and qualitative metrics for sector and by strategy: GHG reduction potential, air quality benefits, health benefits, equity, and economic benefits
 - Enabling Technologies
 - By technology, individual technology descriptions and GHG reduction or sequestration potential, if available and potential role/importance for Pennsylvania
- The Impacts of Climate Change in Pennsylvania and Ongoing Adaptation Efforts
 - Summary of climate risks and impacts from IA
- Opportunities to Adapt to the Impacts of Climate Change in Pennsylvania
 - Approach
 - Process to identify potential strategies
 - Prioritization process and criteria descriptions
 - List of prioritized strategies
 - Adaptation pathways process and description
 - Identification of costs and benefits
 - Adaptation pathways
 - For each pathway: description, purpose, and transfer point criteria, costs and benefits
- Implementing Climate Action in Pennsylvania
 - Challenges
 - Implementation Principles
 - Equitable and Beneficial Implementation
 - Creating jobs and economic opportunity
 - Addressing health
 - Addressing equity barriers
 - High-level steps and stakeholders for most critical adaptation and GHG reduction strategy
- References
- Appendix A – Key Terms
- Appendix B – Technical Support
 - BAU detailed methodology and supporting information
 - GHG reduction strategy methodology and supporting information
 - 1-page methodological details and detailed results for each GHG reduction action, including supporting information for relevance in Pennsylvania
 - Adaptation strategy methodology and supporting information
 - 1-page methodological details and detailed results for each adaptation action