

STATUS	POLICY	POLICY AREA	POLICY CATEGORY	YEAR ENACTED
Enacted	Greenhouse Gas Emissions Reduction Targets 26% by 2025 80% by 2050 Relative to 2005 levels Establishing Policies • Executive Order 2019-01 (2019)	Climate Governance and Equity	Climate Governance	2019
Enacted	Climate Action Plans Pennsylvania Climate Action Plan 2024 Update Establishing Policies • Act 70 of 2008 (2007) • Pennsylvania Climate Action Plan (2021) • Pennsylvania Climate Action Plan Update (2025)	Climate Governance and Equity	Climate Governance	2025
Enacted	State Greenhouse Gas Emissions Inventory The 2005-2021 Greenhouse Inventory was published in June 2024. Establishing Policies • Act 70 of 2008 (2008) • 2005-2021 Greenhouse Inventory (2024)	Climate Governance and Equity	Climate Governance	2024





STATUS	POLICY	POLICY AREA	POLICY CATEGORY	YEAR ENACTED
Not Enacted	Climate Bureaucracy Climate bureaucracy consists of dedicated climate offices and staff, interagency working groups, task forces, and other bodies made up of government staff. These bodies are often responsible for writing a state's climate plan and implementing the policies and strategies identified to meet its climate targets.	Climate Governance and Equity	Climate Governance	
Enacted	Climate Advisory Bodies Climate Change Advisory Committee Establishing Policies • Act 70 of 2008 (2008) • Climate Change Advisory Committee	Climate Governance and Equity	Climate Governance	2008





STATUS	POLICY	POLICY AREA	POLICY CATEGORY	YEAR ENACTED
Enacted	Environmental Rights Amendments The Environmental Rights Amendment guarantees Pennsylvanians the right to clean air, pure water, and the preservation of natural, scenic, historic, and aesthetic values of the environment. The Constitution also states "As trustee of these resources, the Commonwealth shall conserve and maintain them for the benefit of all the people." Establishing Policies • Joint Resolution No.4 (1970) • Joint Resolution No.3 (1971) • ARTICLE I, SECTION 27 (1971)	Climate Governance and Equity	Climate Governance	1971

Environmental Justice

Community Definitions

"Environmental justice areas" are the 20% highest scoring census tracts from PennEnviroScreen, which includes components related to pollution burden, such as environmental exposures and effects, and population characteristics, such as indicators related to health outcomes and socioeconomic factors.

Establishing Policies

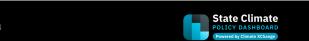
• Environmental Justice **Public Participation Policy** (2018)

Climate

Environmental Governance Justice and

Equity and Equity





Enacted

STATUS	POLICY	POLICY AREA	POLICY CATEGORY	YEAR ENACTED
Enacted	Environmental Justice Mapping Tools PennEnviroScreen Environmental Justice Areas Viewer Establishing Policies • Environmental Justice Areas Viewer (2023)	Climate Governance and Equity	Environmental Justice and Equity	2023
Not Enacted	Environmental Justice Community Investment Requirements Environmental justice (EJ) community investment requirements help ensure communities most impacted by environmental burdens are benefitting equitably from public programs by requiring a certain percentage of funds and/or benefits from other policies are allocated to EJ communities.	Climate Governance and Equity	Environmental Justice and Equity	
Enacted	Environmental Justice Bureaucracy PA DEP – Office of Environmental Justice Environmental Justice Interagency Council Establishing Policies • Executive Order 2021-07 (2021) • PA DEP – Office of Environmental Justice • Environmental Justice Interagency Council	Climate Governance and Equity	Environmental Justice and Equity	2021



STATUS	POLICY	POLICY AREA	POLICY CATEGORY	YEAR ENACTED
Enacted	Environmental Justice Advisory Bodies Environmental Justice Advisory Board Establishing Policies • Executive Order 2021-07 (2021) • Environmental Justice Advisory Board	Climate Governance and Equity	Environmental Justice and Equity	2021
Not Enacted	Cumulative Impact Assessment Cumulative impact assessments determine the health and environmental impacts of renewing or granting a permit for certain pollution-generating facilities in environmental justice communities. Increased pollution burdens in communities may result in the permit application being denied.	Climate Governance and Equity	Environmental Justice and Equity	
Not Enacted	Just Transition Plans Just transition plans are documents that outline policies and recommendations aimed at supporting communities, workers, and industries affected by the transition away from fossil fuels. The plans often focus on workforce development and retraining, job creation, and economic diversification.	Climate Governance and Equity	Just Transition	





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Not Enacted	Just Transition Offices and Staff Just transition offices and staff assist workers and communities transitioning away from fossil fuel extraction and use, typically through retraining programs and support with relocation and economic diversification. Offices and staff also coordinate with other state agencies to effectively design policy to achieve a just transition.	Climate Governance and Equity	Just Transition	
Not Enacted	Just Transition Advisory Bodies Just transition advisory bodies write or advise on a state's just transition plan or report, and make recommendations on ways to support affected workers, communities, and industries. The bodies can consist of all non- government members, or be a mix of government and non- government members.	Climate Governance and Equity	Just Transition	
Not Enacted	Just Transition Funds Just transition funds support initiatives and investments aimed at facilitating the equitable transition of workers and communities affected by shifts in industries or policies that transition from fossil fuels.	Climate Governance and Equity	Just Transition	
Not Enacted	Green Banks Green banks are public, quasipublic, or non-profit entities that use innovative financing to invest in climate solutions and attract private capital across various economic sectors.	Cross-Sector	Climate Finance	



STATUS	POLICY	POLICY AREA	POLICY CATEGORY	YEAR ENACTED
Not Enacted	Divestment State divestment means ending new investment in the fossil fuel industry and phasing out existing fossil fuel investments in public funds, such as state pensions, over time. States can also set greenhouse gas emissions reduction targets for their investment portfolios.	Cross-Sector	Climate Finance	
Not Enacted	Carbon Pollution Pricing Pennsylvania developed a regulation in 2022 to participate in the Regional Greenhouse Gas Initiative (RGGI), which is a capand-trade program that covers the electricity sector. In July 2022, the Commonwealth Court of Pennsylvania halted the state's participation while there are ongoing lawsuits regarding the regulation, and in November 2023, ruled that RGGI participation violates the state constitution. Establishing Policies • Executive Order 2019-07 (2019) • 25 PA. CODE CH. 145 (2022)	Cross-Sector	Carbon Valuation	
Not Enacted	Social Cost of Carbon The social cost of carbon is a monetary estimate of the damage of each ton of greenhouse gases emitted. The social cost of carbon is used to quantify and monetize climate damages, representing the	Cross-Sector	Carbon Valuation	



net economic cost of climate

pollution to society.



STATUS	POLICY	POLICY AREA	POLICY CATEGORY	YEAR ENACTED
Enacted	Clean Energy and Renewable Portfolio Standards 18% renewable energy by 2020- 2021 Establishing Policies • Pa. Cons. Stat. tit. 66 §2814 (2004)	Electricity	Energy Plans and Targets	2004
Not Enacted	Electricity Greenhouse Gas Emissions Reduction Targets Electricity greenhouse gas (GHG) emissions reduction targets are set by a state to limit GHG emissions in the electricity sector. These targets aim to reduce emissions by different amounts over time, often expressed as percentage relative to a baseline year.	Electricity	Energy Plans and Targets	
Not Enacted	Clean Energy Plans Clean energy plans are documents that outline the policies and strategies states can implement to meet clean energy targets. Draft plans are often published first, and after a period of public comments and revisions, a final plan is released.	Electricity	Energy Plans and Targets	





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Not Enacted	Consolidated State Siting and Permitting Authority States can establish some form of statewide, consolidated siting and permitting entity — typically a council or board — for renewables and/or transmission to streamline project review and prevent uncertainty in the face of local governments' restrictions or prohibitions of renewable generation or transmission.	Electricity	Permitting and Grid Integration	
Enacted	Interconnection Standards Pennsylvania received a D grade from Freeing the Grid. Establishing Policies • Freeing the Grid Pennsylvania Grade (2023)	Electricity	Permitting and Grid Integration	2023
Not Enacted	Enabling ATTs and GETs Advanced transmission technologies (ATTs) and grid enhancing technologies (GETs) are a family of technologies that can enhance the capacity of the existing electrical transmission and distribution system. State policies that promote ATTs and GETs can be key to unlocking renewable energy development at lower cost and with shorter wait times.	Electricity	Permitting and Grid Integration	



POLICY YEAR **STATUS POLICY POLICY AREA CATEGORY ENACTED Net Metering** The State Policy Opportunity Tracker (SPOT) breaks clean energy policies down into "components", which are binary questions to evaluate policy quality. Higher quality policies have more of their SPOT components fulfilled. Partially Permitting and Electricity Enacted **Grid Integration Establishing Policies** • SPOT - Net Metering in Pennsylvania • SPOT - Aggregate Net Metering in Pennsylvania Policy Components 10/11

Shared Renewables

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Establishing Policies

 SPOT - Shared Renewables in Pennsylvania

Policy Components

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3/6

Partially

Enacted

Electricity

Incentivizing Clean Energy Resources





STATUS	POLICY	POLICY AREA	POLICY CATEGORY	YEAR ENACTED
Not Enacted	Community Choice Aggregation Community choice aggregation allows local governments to procure power on behalf of their residents, businesses, and municipal accounts from an alternative supplier while still receiving transmission and distribution service from their existing utility provider.	Electricity	Incentivizing Clean Energy Resources	
Partially Enacted	Distributed Generation Carveout The State Policy Opportunity Tracker (SPOT) breaks clean energy policies down into "components", which are binary questions to evaluate policy quality. Higher quality policies have more of their SPOT components fulfilled. Establishing Policies • SPOT – Generation Carveouts in Pennsylvania Policy Components • 1/5	Electricity	Incentivizing Clean Energy Resources	
Not Enacted	Energy Storage Targets Energy storage targets establish procurement targets for energy storage systems by a certain date, often with interim targets. Targets can vary from broad megawatt (MW) requirements to more specific mandates that focus on the adoption of certain storage technologies.	Electricity	Incentivizing Clean Energy Resources	







STATUS	POLICY	POLICY AREA	POLICY CATEGORY	YEAR ENACTED
Not Enacted	Coal Phaseouts Coal phaseouts establish a target year by which states must end coal-fired power generation.	Electricity	Coal Retirement	
Not Enacted	Coal Plant Securitization Coal securitization is a financing tool that allows utility companies to refinance debt they issued to build coal plants and close the facilities early without taking a financial hit or passing costs on to ratepayers.	Electricity	Coal Retirement	
Enacted	Residential Energy Codes The statewide energy code for residential construction is 2018 IECC. Establishing Policies • Pennsylvania State Energy Code (2021)	Buildings and Efficiency	Building Codes	2021
Enacted	Commercial Energy Codes The statewide energy code is 2018 IECC and ASHRAE 90.1-2016 Establishing Policies • Pennsylvania State Energy Code (2021)	Buildings and Efficiency	Building Codes	2021





STATUS	POLICY	POLICY AREA	POLICY CATEGORY	YEAR ENACTED
Not Enacted	Stretch Building Energy Codes Stretch building energy codes are an optional, more stringent building code established by the state that local jurisdictions can adopt to require that newly constructed buildings are more efficient than the baseline state codes.	Buildings and Efficiency	Building Codes	
Not Enacted	Appliance Standards Appliance standards set minimum energy and water conservation requirements for appliances and equipment.	Buildings and Efficiency	Building Standards	
Not Enacted	Building Performance Standards Building performance standards establish energy and/or greenhouse gas performance targets for existing buildings in a state. These targets increase in stringency over time, leading to efficiency improvements in buildings to conserve energy and reduce emissions.	Buildings and Efficiency	Building Standards	
Not Enacted	Clean Heat Standards Clean heat standards establish a performance standard requiring heat providers to deliver a gradually-increasing percentage of low-emission heating services to customers.	Buildings and Efficiency	Building Standards	



STATUS	POLICY	POLICY AREA	POLICY CATEGORY	YEAR ENACTED
Enacted	Energy Efficiency Resource Standards (EERS) Electric utilities are required to achieve a statewide energy savings target for 2021-2026 that is equivalent to 3.1% of 2009-2010 statewide energy sales. Energy savings targets vary by utility, ranging from 2.4% to 3.5% for 2021-2026. For 2026-2031, electric utilities must achieve a statewide energy savings target of 2.25%, with utility-specific targets ranging from 1.86% to 2.82%. Gas utilities are not subject to an EERS. Establishing Policies Pa. Cons. Stat. Ann. tit. 66, § 2806.1 and 2806.2 (2008) Docket No. M-2020-3015228 (2020) Docket No. M-2025-3052826 (2025) Energy Efficiency and Conservation (EE&C) Program	Buildings and Efficiency	Building Efficiency	2020
Enacted	Property Assessed Clean Energy (PACE) Pennsylvania has enacted commercial PACE-enabling legislation and has active programs. Establishing Policies • SB 234 (2018)	Buildings and Efficiency	Building Efficiency	2018



STATUS	POLICY	POLICY AREA	POLICY CATEGORY	YEAR ENACTED
Partially Enacted	Weatherization Funding The State Policy Opportunity Tracker (SPOT) breaks clean energy policies down into "components", which are binary questions to evaluate policy quality. Higher quality policies have more of their SPOT components fulfilled. Establishing Policies • SPOT - Weatherization Funding in Pennsylvania Policy Components • 11	Buildings and Efficiency	Building Efficiency	
Not Enacted	All-electric Buildings All-electric buildings policies require new buildings to be constructed with all-electric heating, cooling, and cooking systems to transition away from fossil-fuel use in buildings.	Buildings and Efficiency	Building Electrification	
Not Enacted	Thermal Energy Networks Thermal energy networks are neighborhood-scale energy projects that allow multiple buildings to be connected through a shared network of underground pipes to distribute heating and cooling, often using renewable energy sources like geothermal or waste heat. State policymakers can create an enabling regulatory structure, and may also commission pilots, allow cost recovery, or create mandates to help transition from natural gas.	Buildings and Efficiency	Building Electrification	



STATUS	POLICY	POLICY AREA	POLICY CATEGORY	YEAR ENACTED
Enacted	Low-Emission Vehicle (LEV) Standards Pennsylvania Clean Vehicles Program Establishing Policies • 25 Pa. Code Chapters 121 and 126 (2008) • Pennsylvania Clean Vehicles Program	Transportation	Light-Duty Vehicles	2008
Not Enacted	Zero-Emission Vehicle (ZEV) Mandates Zero-Emission Vehicle (ZEV) mandates, also known as "clean car standards," require automakers to produce and sell a certain percentage of zero- emission light-duty vehicles each model year based on total new vehicle sales. The most stringent ZEV mandates require 100% of new vehicle sales to be electric by 2035 and are known as "Advanced Clean Cars II".	Transportation	Light-Duty Vehicles	
Enacted	Electric Vehicle Rebates The Alternative Fuel Vehicle Rebate program offers rebates for new and pre-owned EVs: up to \$2,000 for battery EVs, \$1,500 for plug-in hybrid EVs, and \$500 for electric motorcycles, with an additional \$1,000 rebate for low- income applicants. Establishing Policies • Alternative Fuel Vehicle Rebate Program	Transportation	Light-Duty Vehicles	





POLICY YEAR **STATUS POLICY POLICY AREA CATEGORY ENACTED Low NOx Omnibus Rules** Low NOx Omnibus Rules establish stringent tailpipe emission standards for heavy duty vehicles, updated testing procedures, and Medium- and Not Transportation technology-neutral compliance **Heavy-Duty** Enacted mechanisms to reduce nitrous **Vehicles** oxide (NOx) pollution. The regulation must be adopted first by California, and other states may adopt the regulation under the federal Clean Air Act. Medium- and Heavy-Duty (MHD) **Zero-Emission Vehicle (ZEV) Mandates** Medium- and heavy-duty (MHD) Medium- and Not Transportation zero-emission vehicle mandates, **Heavy-Duty** Enacted also known as "Advanced Clean **Vehicles** Trucks", require automakers to produce and sell a certain number of zero-emission MHD vehicles to fulfill a quota based on a percentage of total sales in states. **Medium- and Heavy-Duty Electric Vehicle (EV) Rebates** Medium- and heavy-duty (MHD) Medium- and Not Transportation electric vehicle rebates consist of **Heavy-Duty** Enacted programs and policies that offer **Vehicles** rebates to make MHD electric vehicles more affordable to increase their adoption in a state.





STATUS	POLICY	POLICY AREA	POLICY CATEGORY	YEAR ENACTED
Enacted	Public Fleet Electric Vehicle (EV) Procurement Targets State agencies must replace 25% of passenger car fleet with EVs and PHEVs by 2025 Establishing Policies • Executive Order 2019-01 (2019)	Transportation	Lead by Example	2019
Not Enacted	Electric Bus Procurement Targets Electric bus procurement targets require that a certain percentage or number of school buses and/or transit buses purchased or leased by the state, transit authorities, and/or school districts must be electric or zero-emissions.	Transportation	Lead by Example	
Not Enacted	Electric Vehicle (EV) Charging Infrastructure Requirements Electric vehicle (EV) charging infrastructure requirements establish mandates for the installation of EV charging infrastructure in new construction or developments, such as residential or commercial buildings, and public parking lots.	Transportation	EV Charging Infrastructure	
Not Enacted	Electric Vehicle (EV) Charging Infrastructure Rebates Electric vehicle (EV) charging infrastructure rebates offer rebates to make the purchase and/or installation costs of EV charging infrastructure more affordable.	Transportation	EV Charging Infrastructure	



STATUS	POLICY	POLICY AREA	POLICY CATEGORY	YEAR ENACTED
Enacted	Electric Vehicle (EV) and EV Charging Infrastructure Plans Pennsylvania 2019 Electric Vehicle Roadmap and 2021 Update Establishing Policies • Pennsylvania Electric Vehicle Roadmap (2019) • Pennsylvania Electric Vehicle Roadmap: 2021 Update (2021)	Transportation	Transportation Plans and Targets	2021
Not Enacted	Transportation Greenhouse Gas Emissions Reduction Targets Transportation greenhouse gas (GHG) emissions reduction targets are set by a state to limit emissions in the transportation sector. These targets aim to reduce emissions by specific amounts over time, often expressed as a percentage reduction from a baseline year.	Transportation	Transportation Plans and Targets	
Not Enacted	Low Carbon Fuel Standards A low carbon fuel standard (LCFS) is a market-based mechanism to reduce the carbon intensity of transportation fuels and account for the fuel's life cycle greenhouse gas emissions.	Transportation	Transportation Plans and Targets	





STATUS	POLICY	POLICY AREA	POLICY CATEGORY	YEAR ENACTED
Partially Enacted	Bicycle Friendly States Pennsylvania is ranked 19th out of 50 in the 2024 Bicycle Friendly State rankings by the League of American Bicyclists. Establishing Policies • Pennsylvania Bicycle Friendly State Scorecard Policy Components	Transportation	Public and Active Transportation	ENACTED
Not Enacted	Buy Clean Requirements Buy clean requirements mandate or incentivize the use of low-carbon construction materials, such as concrete and steel, in public projects to address embodied carbon.	Industry, Materials, and Waste Management	Industrial Decarbonization	
Not Enacted	Hydrofluorocarbon (HFC) Regulations Hydrofluorocarbon (HFC) regulations include phasedown commitments, rulemakings, disclosure requirements, bans, or other measures that reduce HFC usage and emissions.	Industry, Materials, and Waste Management	F-gas Regulations	
Not Enacted	Sulfur Hexafluoride (SF6) Regulations Sulfur hexafluoride (SF6) regulations include phasedown commitments, reporting requirements, bans, or other measures that reduce SF6 usage and emissions.	Industry, Materials, and Waste Management	F-gas Regulations	



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Enacted	Oil and Gas Methane Regulations Operators must adhere to reasonably available control technology (RACT) requirements and RACT emission limitations for conventional oil and natural gas sources of volatile organic compounds (VOCs). Establishing Policies • Regulation #7-580 (2022)	Industry, Materials, and Waste Management	Oil and Gas Regulations	2022
Not Enacted	Fracking Bans Fracking bans prohibit the practice of hydraulic fracking for the production of oil and/or natural gas by a certain year. Legislation often requires an environmental agency or department to promulgate regulations.	Industry, Materials, and Waste Management	Oil and Gas Regulations	
Not Enacted	Landfill Methane Regulations Landfill methane regulations include rulemakings, emissions monitoring, emissions control, or other measures that reduce methane emissions from decaying organic waste in landfills.	Industry, Materials, and Waste Management	Waste Management	



STATUS	POLICY	POLICY AREA	POLICY CATEGORY	YEAR ENACTED
Not Enacted	Food Waste Bans and Targets Food waste bans and targets include policies that prohibit certain entities that generate specified amounts of food waste (typically commercial businesses and larger institutions) from sending this waste to landfills. Targets aim to reduce total food waste by a certain percentage each target year.	Industry, Materials, and Waste Management	Waste Management	
Enacted	Healthy Soils Financial Incentives The Conservation Excellence Grant Program provides grants, loans, and tax credits for soil management practices, including soil health measures. The Agriculture-Linked low Interest Loan (AgriLink) Program provides low-interest loans to implement best management practices (BMPs), including soil health measures. Establishing Policies • 2019 Act 39 (2019) • 2019 Act 37 (2019) • ?Conservation Excellence Grant Program (2019) • Agriculture-linked low Interest Loan (AgriLink) Program (2019)	Natural and Working Lands	Agriculture	2019





STATUS	POLICY	POLICY AREA	POLICY CATEGORY	YEAR ENACTED
Enacted	Healthy Soils Technical Assistance Programs The Conservation Excellence Grant Program provides financial and technical assistance to implement soil management practices, including soil health measures. Establishing Policies • 2019 Act 39 (2019) • ?Conservation Excellence Grant Program (2019)	Natural and Working Lands	Agriculture	2019