



# Pennsylvania Clean Energy Plan

## Benefits

Pennsylvania faces dire consequences from climate change, including extreme heat, extreme rainfall, and flooding. Federal climate action, including funding from the Inflation Reduction Act (IRA) and Bipartisan Infrastructure Law (BIL), is helping Pennsylvania minimize these impacts and prepare for a clean energy future. The majority (58%) of Pennsylvania voters [support](#) the Clean Energy Plan after learning more about its policies, and as of December 2023, Pennsylvania has [received](#) over \$5.5 billion in funding from the Clean Energy Plan. Clean energy investments have already [created](#) 1,157 good-paying clean energy jobs and expanded opportunities for households to save money in the Keystone State. Funding is currently going to communities across the state to promote climate resiliency, reduce pollution, and advance climate-smart agriculture.

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### Key Talking Points:

- New clean energy projects announced since the Inflation Reduction Act passed have spurred [\\$697.1 million](#) in investment and helped create or move forward 1,157 good-paying clean energy jobs.
  - Rep. Dan Meuser's (PA-9) and Rep. Mike Kelly's (PA-16) districts each [benefited](#) from new clean energy projects, yet they [voted against](#) the Inflation Reduction Act in August 2022.
- As part of the Bipartisan Infrastructure Law's Clean School Bus Rebate Program, 11 Pennsylvania school districts [received](#) over \$40 million in federal funds to purchase low- and zero-emission school buses in 2022.

- In Pennsylvania's 9th Congressional District, Troy Area SD [received](#) seven electric school buses. This district is represented by Rep. Daniel Meuser, who [voted against](#) the Bipartisan Infrastructure Law.
- In Pennsylvania's 10th Congressional District, Harrisburg City SD [received](#) 10 electric school buses, Steelton-Highspire SD received six, and Halifax Area SD received five. This district is represented by Rep. Scott Perry, who [voted against](#) the Bipartisan Infrastructure Law.
- In Pennsylvania's 14th Congressional District, Washington SD [received](#) eight electric school buses, and Avella Area SD received seven. This district is represented by Rep. Guy Reschenthaler, who [voted against](#) the Bipartisan Infrastructure Law.
- In Pennsylvania's 15th Congressional District, Northern Potter SD received two electric school buses. This district is represented by Rep. Glenn Thompson, who [voted against](#) the Bipartisan Infrastructure Law.
- In November 2023, 30 farms and businesses in Pennsylvania were [awarded](#) Rural Energy for America Program (REAP) grants, which received a \$2 billion boost through the Inflation Reduction Act.
  - Pennsylvania's 1st, 9th, 11th, 13th, 14th, 15th, and 16th Congressional Districts each benefited from the REAP grants. The members of Congress representing these districts – Rep. Brian Fitzpatrick, Rep. Dan Meuser, Rep. Lloyd Smucker, Rep. John Joyce, Rep. Guy Reschenthaler, Rep. Glenn Thompson, and Rep. Mike Kelly – all [voted against](#) the Inflation Reduction Act.

**Pennsylvanians Are Benefitting From The Clean Energy Plan's Expanded Funding For Energy Efficiency:**

- [New rebates](#) of 50 to 100% on new energy-efficient electric appliances will help Nevada families save on their energy bills.
- According to the U.S. Department of Energy, families who install an efficient electric heat pump for heating and cooling can [receive](#) a [tax credit](#) of up to \$2,000 and save [an average of over \\$500](#) per year on energy bills. Families who make other energy efficiency improvements can [receive tax credits](#) worth up to \$500 for doors, \$600 for windows, \$150 for a [home energy audit](#), and up to 30% off the cost of new insulation — a total of up to \$1,200 per year in tax credits.
- In November 2022, the Biden administration [announced](#) Pennsylvania would receive over \$259 million for consumer home energy rebate programs under the Inflation Reduction Act. This funding will [help](#) low-income households in

Pennsylvania save an average of 53% on their home energy bills when they upgrade their appliances and improve energy efficiency.

- The Inflation Reduction Act includes grants for state and local governments to adopt the latest building energy codes, [saving](#) the average new homeowner in Pennsylvania 13.5% on their utility bills, or \$341 annually.
- Families who install [rooftop solar or battery storage](#) in their homes can save up to 30% of the cost of installation via a [tax credit](#) and save nearly [\\$400](#) per year on their energy bills. These new tax credits from the Inflation Reduction Act will allow more than [610,000 Pennsylvania households](#) to install rooftop solar panels and lower their utility bills.
- As part of the Inflation Reduction Act, the U.S. Department of Housing and Urban Development [awarded](#) \$103.4 million in new loans and grants to significantly renovate the homes of 1,500 low-income households to be zero energy and resilient at 16 HUD-Assisted Multifamily Housing properties under the Green and Resilient Retrofit Program (GRRP). The KV May Building LLC in Pittsburgh [received](#) \$5 million in a surplus cash loan for upgrades.
- Drivers who buy qualifying clean vehicles can [receive](#) a tax credit of up to \$7,500 for a new vehicle and up to \$4,000 for a used vehicle.
- As part of the Bipartisan Infrastructure Law, the National Electric Vehicle Infrastructure (NEVI) program [received](#) a total of \$5 billion to strategically deploy EV charging infrastructure. Under the NEVI Program, Pennsylvania will have an [estimated](#) \$171.5 million in total funding over five years.

#### **The Clean Energy Plan Is Spearheading New Clean Energy Investments In Pennsylvania:**

- The Inflation Reduction Act will bring a further [\\$270 million](#) in investment in large-scale clean power generation and storage to Pennsylvania by 2030.
- New clean energy projects announced since the Inflation Reduction Act passed have spurred [\\$697.1 million](#) in investment and helped create or move forward 1,157 good-paying clean energy jobs.
- Pennsylvania has [1.1 GW](#) of planned clean energy capacity, which will power 124,500 additional houses.
- New solar and wind energy investments will help reduce energy costs in Pennsylvania, as the costs of solar and wind power in the state are projected to drop by [24% and 34%](#), respectively, over the next 30 years.

#### **Pennsylvanians Are Benefiting From The Clean Energy Plan's Funding In Sustainable And Resilient Infrastructure:**

- As a part of the Bipartisan Infrastructure Law, the Consolidated Rail Infrastructure and Safety Improvement Grant [awarded](#) \$8.8 million to the Engineering Track Foreman Workforce Development Apprenticeship Training Program and \$11.3 million to the Buffalo & Pittsburgh Railroad: Rebuilding Western Pennsylvania Project in 2022.
- Funded by the Bipartisan Infrastructure Law, five projects in Pennsylvania [received](#) over \$105 million from the Rebuilding America Infrastructure with Sustainability and Equity (RAISE) program.
  - In 2023, three projects in Pennsylvania received over \$69 million in funding for the RAISE program.
    - Philadelphia [received](#) \$25 million for the construction of multimodal, accessibility, and mobility improvements around six schools and high-injury corridors to improve safety and accessibility.
    - The Southeastern Pennsylvania Transportation Authority [received](#) \$25 million in funding for the modernization and complete street improvements on approximately 3.85 miles of streets.
    - Pittston [received](#) \$19 million to fund the replacement and infrastructure improvements of the Fort Jenkin Bridge and the Water Street Bridge, as well as the modernization of seven intersections.
  - In 2022, two projects in Pennsylvania received over \$36 million in funding for the RAISE program.
    - The New Pathways to Equity Project [received](#) \$11.3 million to construct improvements to the Hill District in Pittsburgh, including the installation of traffic calming measures, sidewalks, and green infrastructure.
    - Philadelphia [received](#) \$25 million for the Revitalizing Philadelphia's Local Roadways Project, providing improvements along seven high-crash corridors totaling approximately five miles.
- In 2022, the National Significant Multimodal Freight & Highway Projects program (INFRA) [awarded](#) \$20 million to the Philadelphia Regional Port Authority to construct an approximately 100,000-square-foot warehouse at the Tioga Marine Terminal.

**The Clean Energy Plan Is Helping Reduce Pollution In Communities Across Pennsylvania:**

- In March 2023, the Biden-Harris Administration [announced](#) a \$3 million grant for Pennsylvania to develop innovative strategies to cut climate pollution and build clean energy economies. The funding, which comes from the Climate Pollution Reduction Grants program created by the Inflation Reduction Act, was [allocated](#) to the Pennsylvania Department of Environmental Protection.
  - In March 2023, the Biden-Harris Administration [announced](#) the Philadelphia- Camden- Wilmington Metro Area would receive a \$1 million grant to tackle climate pollution. The funding, which comes from the Climate Pollution Reduction Grants program created by the Inflation Reduction Act, was [allocated](#) to the Delaware Valley Regional Planning Commission.
  - In March 2023, the Biden-Harris Administration [announced](#) the Pittsburgh Metro Area would receive a \$1 million grant to tackle climate pollution. The funding, which comes from the Climate Pollution Reduction Grants program created by the Inflation Reduction Act, was [allocated](#) to the Southwestern Pennsylvania Commission.
- Funded by the Bipartisan Infrastructure Law, two projects in Pennsylvania [received](#) over \$100 million from the Federal Transit Administration's Low- and No-Emission Vehicle Program.
  - In 2023, the Southeastern Pennsylvania Transportation Authority [received](#) \$80 million to make improvements at six bus maintenance facilities, which house 67% of its fleet.
  - In 2022, the Southeastern Pennsylvania Transportation Authority [received](#) over \$23 million to improve bus depots, including redundant power feeders, backup generators, and electrical substations.
- As part of the Clean School Bus Rebate Program that was created by the Bipartisan Infrastructure Law, 11 Pennsylvania school districts [received](#) over \$40 million in federal funds to purchase low- and zero-emission school buses.
  - Scranton SD [received](#) 25 electric school buses; Pittsburgh SD received 20; Greater Nanticoke Area SD received 15; Harrisburg City SD received 10; Washington SD received eight; Avella Area SD and Troy Area SD each received seven; Steelton-Highspire SD received six; Halifax Area SD received five; and Northern Potter SD received two.
- In January 2023, the EPA [announced](#) the selection of 280 school districts nationwide to receive nearly \$1 billion through the first Clean School Bus Program Grants Competition. Five Pennsylvania school districts [received](#) over \$47.3 million in funding.

## The Clean Energy Plan Is Advancing Climate Resilience, Conservation, And Equity In Pennsylvania:

- In September 2023, Pennsylvania [received](#) a total of \$27.9 million from the Urban and Community Forestry Grants to support 12 projects to combat climate change, expand access to green spaces, and create healthier communities. The Inflation Reduction Act funds the Urban and Community Forestry Grants Program Act.
  - The Borough of Mechanicsburg [received](#) \$500,000 for its Trees for All project.
  - The Borough of State College [received](#) \$369,355 to complete an Urban Forestry Sustainability Plan for the Borough of State College.
  - Allentown [received](#) \$920,800 to support urban forest management.
  - Connellsville [received](#) \$500,000 to support an expansion of urban forest management activities.
  - Easton [received](#) \$1 million to expand the city's tree canopy, create an urban forestry apprenticeship, provide trees to residents, parks, and stewards of green spaces, provide better care for existing trees, and provide apprentice training.
  - Harrisburg [received](#) \$1 million to implement systematic and proactive care and management of street trees in non-disadvantaged sections of the city through contracted tree pruning and removal services, along with new approaches to volunteer plantings.
  - Harrisburg [received](#) another \$1 million to allow for the expansion of the City's community tree program.
  - Johnstown [received](#) \$659,300 to provide fresh fruit and other trees in low-income areas to support community health and education, improve the local environment, and foster economic diversification from businesses and tourists.
  - Lancaster [received](#) \$1 million for its Proactive Systemic Maintenance: Pruning, Planting, And Removal project.
  - Pittsburgh [received](#) \$1 million to remove hazardous trees, install new trees, and ultimately revitalize and create usable natural areas in underserved communities.
  - The Friends of the Pittsburgh Urban Forest [received](#) \$8 million to support more resilient forests and increase tree canopy.

- The Public Health Management Corporation [received](#) \$12 million to advance the Philly Tree Plan, which will restore healthy tree canopy.
- The Inflation Reduction Act [awarded](#) \$30 million to the EPA's Environmental Justice Collaborative Problem Solving (EJCPS) Program. In 2023, Pennsylvania received a total of \$1.5 million to fund three projects.
  - In 2023, the John Bartram Association in Philadelphia [received](#) \$500,000 in funding from the EJCPS Program for its Strengthening Southwest Philadelphia's Environmental Sovereignty and Climate Resilience through Greening and Youth Workforce Development project.
  - In 2023, the Nueva Esperanza, Inc. in Philadelphia [received](#) \$500,000 from the EJCPS Program to build the capacity of residents, leaders, and neighborhood infrastructure to improve the climate resiliency of Hunting Park against the disproportionate health and economic impacts of heat.
  - In 2023, the Shamokin Creek Restoration AllianceYN in the Shamokin, Kulpmont, and Coal Township [received](#) \$500,000 from the EJCPS Program to create a collaborative partnership for the Greater Shamokin area to establish a coordinator position, office space, and lasting relationships.
- The Environmental Justice Government-to-Government (EJG2G) program [received](#) a total of \$84.1 million in the Inflation Reduction Act and annual appropriations funding. In 2023, Pennsylvania received \$3.3 million from this program to fund four projects.
  - In 2023, Allegheny County [received](#) \$328,827 from this program to improve climate preparedness for the 38 environmentally burdened communities within the county.
  - In 2023, the PA Department of Environmental Protection [received](#) \$1 million for its Pennsylvania Engaging New Voices on Environmental Justice project.
  - In 2023, McKeesport [received](#) \$1 million to design and implement new programs/actions and expand/enhance current programs, including the Greenhouse Neighborhood & Urban Farming Initiative; Urban Forest Expansion Project; Small-Scale Cleanup Program; Water Street Bioswale Park.
  - In 2023, Philadelphia [received](#) \$1 million for its Enhancing, Strengthening and Scaling Action on Environmental Justice in Philadelphia.
- As part of the Bipartisan Infrastructure Law, four superfund sites in Pennsylvania were [awarded](#) cleanup funding.



- The Jackson Ceramix, Inc. Superfund site in Falls Creek was [selected](#) to receive cleanup funding.
- The Ryeland Road Arsenic Superfund site in Heidelberg Township was [selected](#) to receive cleanup funding.
- The Crossley Farm Superfund site in Hereford Township was [selected](#) to receive \$12.4 million in cleanup funding.
- The North Penn - Area 6 Superfund site in Lansdale was [selected](#) to receive \$5.1 million in cleanup funding.

**The Clean Energy Plan Is Investing In Climate-Smart Agriculture – Benefiting Pennsylvania Farmers, Ranchers, And Agricultural Businesses:**

- The Inflation Reduction Act included an additional \$2 billion for the USDA's Rural Energy for America Program (REAP). In November 2023, over \$12.6 million in grant funding was [awarded](#) to 30 Pennsylvania farmers, ranchers, and businesses to invest in renewable energy, upgrade to energy-efficient equipment, and cut their energy costs. Some projects include:
  - The Randy Weaver Chicken Farm in Richland [received](#) \$225,000 to purchase and install a solar photovoltaic system, which is projected to save the farm approximately \$37,200 annually.
  - Dawson's Orchards Inc., a family-owned orchard in Enon Valley, [received](#) \$229,824 to purchase and install a solar photovoltaic system, which is projected to save the orchard \$30,200 annually.
  - The Lapp Family Market, a family-owned market in Latrobe, [received](#) \$123,900 to purchase and install a solar photovoltaic system, which is projected to save the business \$12,800 annually.
  - The Brubaker Farms, a dairy farm in Mount Joy, [received](#) \$193,382 to purchase and install a solar photovoltaic system, which is projected to save the farm \$30,630 annually.
  - The Allegro Wine Company LLC, a craft winery in Stewartstown, [received](#) \$46,400 to purchase and install a solar photovoltaic system, which is projected to save the business \$7,000 annually.

## Stories to Uplift

**Clean Energy Investments Are Bringing Good Paying Jobs To Pennsylvania:**



- Pennsylvania's manufacturing jobs have declined by [more than 33%](#) in the past two decades. The COVID-19 pandemic worsened the manufacturing outlook in the Keystone State, with [10,000 fewer jobs](#) between February 2020 and August 2022. However, clean energy investments are helping rebuild the state's manufacturing industry for the new economy of the future.
  - EoS Energy Enterprises announced [Project American Made Zinc Energy \(AMAZE\)](#), a \$500 million planned expansion of clean energy storage production capacity at its Turtle Creek facility. The new project, which is set for completion in 2026, is expected to create approximately [650 full-time jobs](#) and 50 union contractor construction jobs. EoS said Project AMAZE is part of its [strategy](#) 'to address increased long-duration energy storage demand driven by the Inflation Reduction Act.'
  - Prysmian Group announced a long-term supply agreement to provide advanced transmission conductors to Invenergy in April 2023. The agreement resulted in a [\\$22.5 million](#) investment in Prysmian's Williamsport, Pennsylvania, manufacturing facility, which will create 27 new jobs. 20 of the positions will have [salaries](#) over \$50,000 annually, and the remaining 7 will salaries over \$70,000 per year.
  - Re:Build Manufacturing announced an [\\$81 million](#) investment to open a manufacturing facility focused on high-growth industries, such as clean energy, in New Kensington. The facility will create [300 full-time jobs](#). Re:Build will work with Westmoreland County Community College and other local vocational training institutions to help [train](#) potential hires.
  - Vitro Architectural Glass signed an [agreement](#) with First Solar to manufacture glass for First Solar's advanced solar panels. To meet increased demand, Vitro will invest [\\$93.6 million](#) to rebuild and modernize its production line in Cochran. Vitro [closed](#) the production line in 2020 when automotive industry supply chain disruptions impacted it. The expansion will create [130 new jobs](#).

**The Clean Energy Plan Is Helping Pennsylvania Farmers, Ranchers, and Agricultural Businesses:**

- In November 2023, 30 farms and businesses in Pennsylvania were [awarded](#) Rural Energy for America Program (REAP) grants. REAP received a \$2 billion boost through the Inflation Reduction Act.
  - The Randy Weaver Chicken Farm in Richland [received](#) \$225,000 to purchase and install a solar photovoltaic system, which is projected to save the farm approximately \$37,200 annually.

- Dawson's Orchards Inc., a family-owned orchard in Enon Valley, [received](#) \$229,824 to purchase and install a solar photovoltaic system, which is projected to save the orchard \$30,200 annually.
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