

2023 Sustainable Pennsylvania Annual Conference

November 2, 2023



"FUND IT"



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PA Department of Environmental Protection
Infrastructure Implementation Coordinator

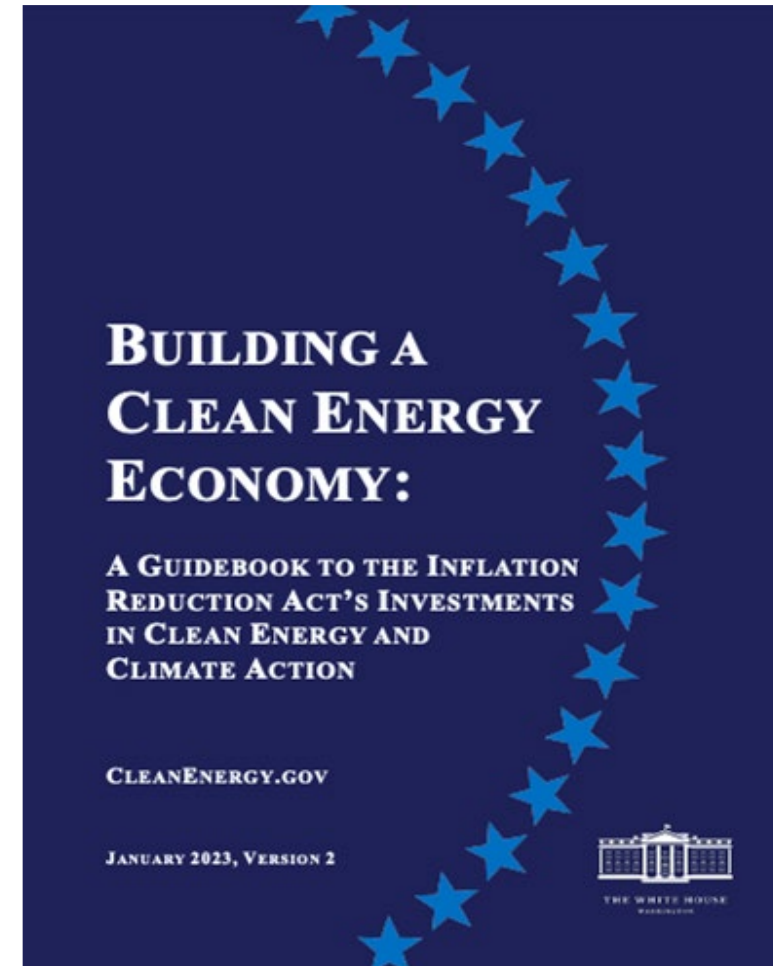
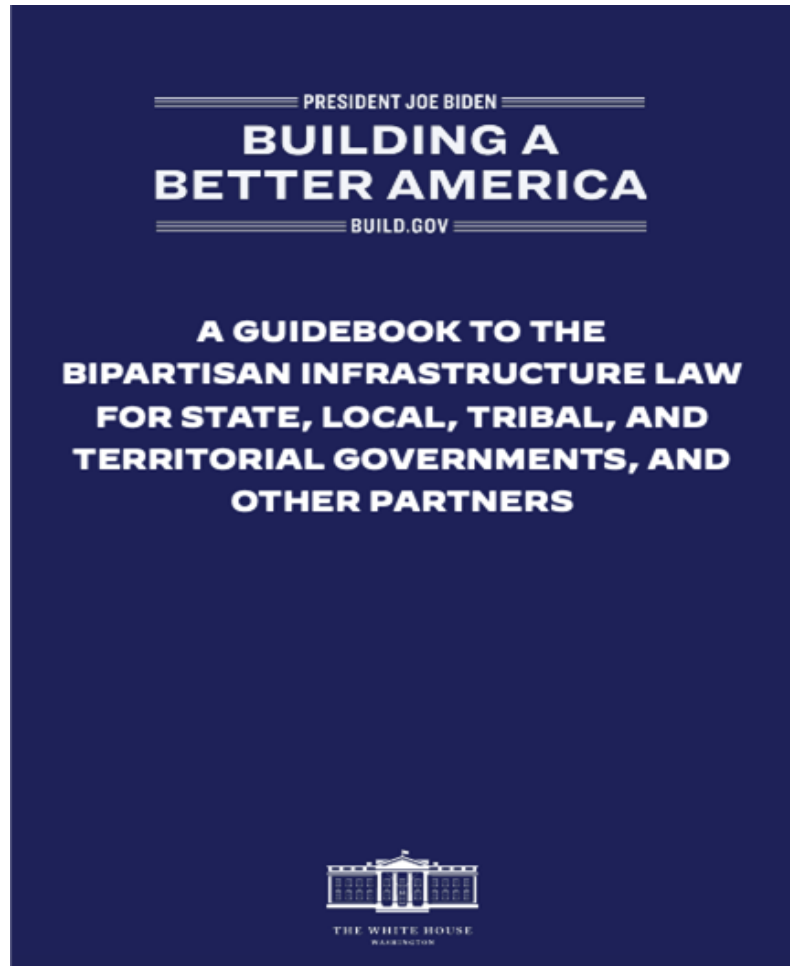


Matt Mahoney

Sustainable Pittsburgh
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SETTING THE STAGE: *FEDERAL POLICY THAT STRENGTHENS CLEAN ENERGY*



JUSTICE 40

A "*Whole-of-Government*" goal that **at least 40%** of the overall benefits of certain federal investments flow to communities marginalized, underserved, and overburdened by pollution.

RECOMMENDATIONS

Integrate Justice40 Goals
into Local Plans

Engage Federal
Stakeholders in Outreach

Embrace the Data

Establish Local Governance
around Justice40 Goals

JUSTICE40

A WHOLE-OF-GOVERNMENT INITIATIVE



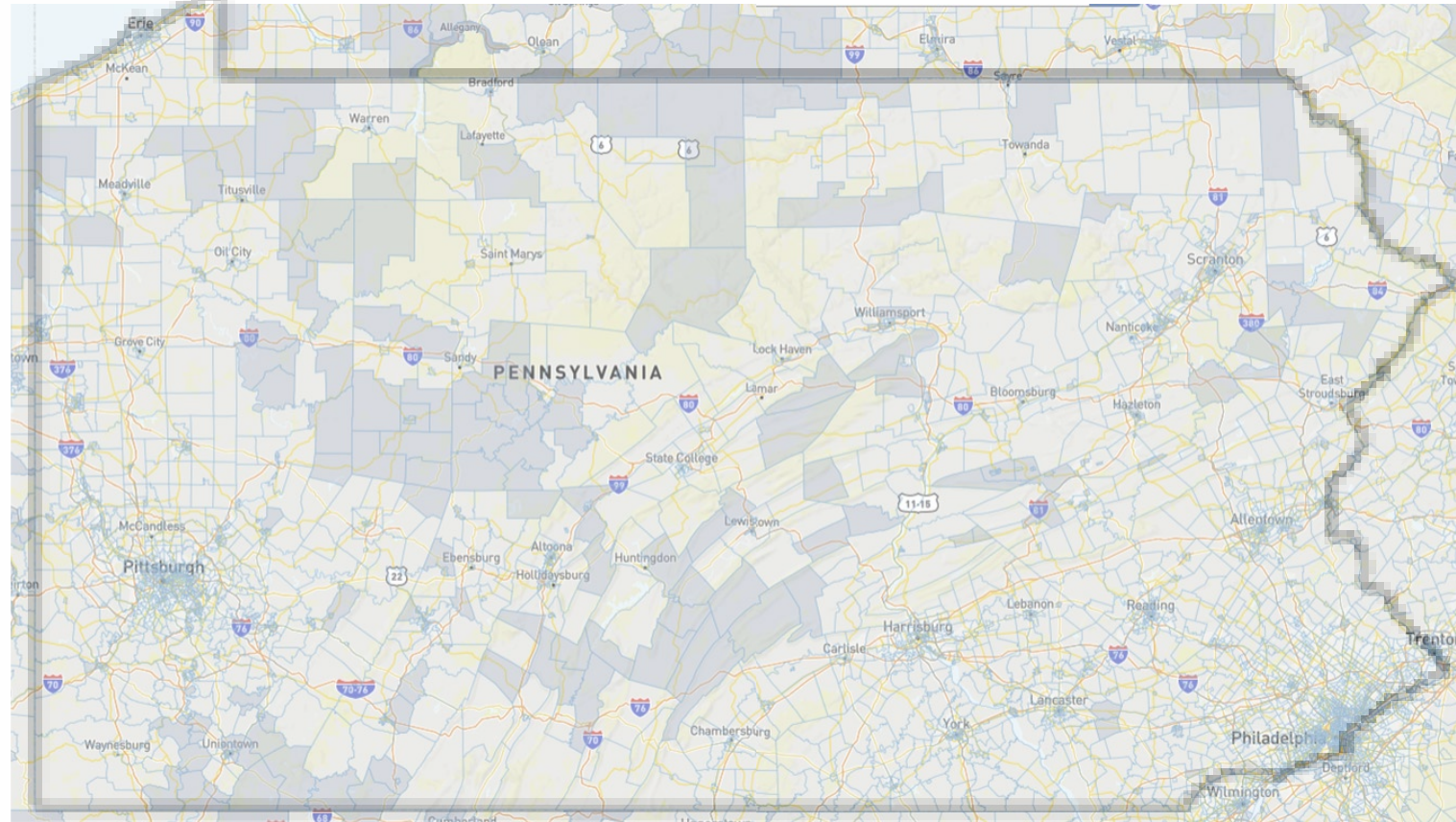
ENVIRONMENTAL JUSTICE





Climate and Economic Justice
Screening Tool

PENNSYLVANIA JUSTICE40 PROFILE

- # of Census Tracts Identified as DACs: **883**
- Population Living in Disadvantaged Communities: **3,060,720**
- Total number of burdens experienced by communities: **4,635**
- Average number of burdens per tract: **5**



GREENHOUSE GAS REDUCTION FUND

	 National Clean Investment Fund	 Clean Communities Investment Accelerator	 Solar for All
Competition description	Fund 2-3 national nonprofits to partner with private capital providers to deliver financing at scale catalyzing tens of thousands of clean technology projects	Fund hub nonprofits to rapidly build clean financing capacity of networks of community lenders to finance pollution-reducing projects in low-income & disadvantaged communities	Support states, territories, Tribal & municipal governments, & nonprofits to expand access to solar for low-income & disadvantaged communities by priming markets for investment
Number and type of grantees	2-3 national nonprofits	2-7 hub nonprofits	Up to 60 states, Tribal & municipal governments, & eligible non-profit entities
Funding available	Nearly \$14B	\$6B	\$7B
Expected impacts	Historic public sector investment with the scale to attract private capital leverage in clean projects, supporting the 2030, 2035, & 2050 climate goals of the United States and catalyzing tens of thousands of clean technology projects	Robust pipeline of thousands of community-led clean projects with meaningful benefits, generated by hundreds of community lenders capitalized by GGRF to start or expand clean lending in underserved communities	Energy bill savings and energy resiliency for millions of underserved American households via states, Tribal & municipal governments, & other recipients creating new or expanding existing low-income solar programs across the country

Solar for All

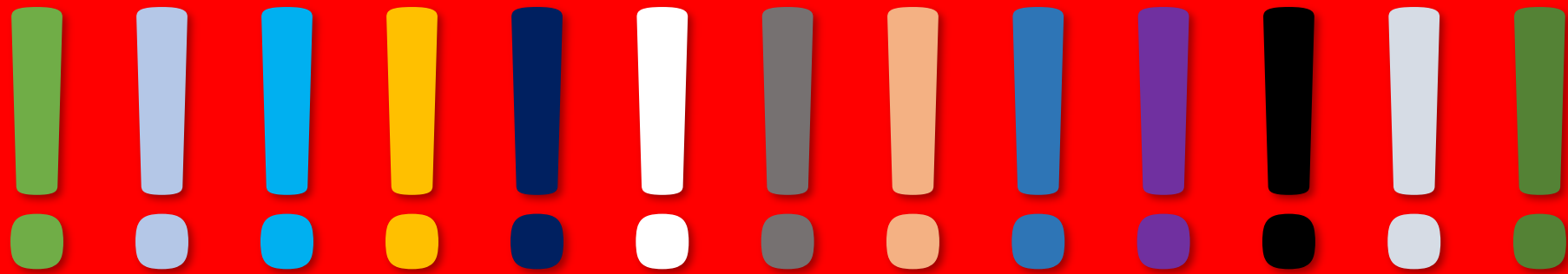
- Up to \$250 million for Pennsylvania
- Expand the number of low-income and disadvantaged* communities for residential solar
- 20% savings on electricity bill
- Household upgrades
- Tech, workforce, siting, permitting, interconnection



Climate Pollution Reduction Grants

- **\$ 5 billion** available from U.S. EPA
 - \$250 million – Planning grants
 - \$4.6 billion – Implementation funding
- DEP has received a **\$3 million** planning grant
 - Priority Climate Action Plan
 - Comprehensive Climate Action Plan
 - Industrial Decarbonization Playbook
- Three MSAs have received **\$1 million** planning grants
 - **Pittsburgh** – Southwestern Pennsylvania Coalition
 - **Philadelphia** – Delaware Valley Planning Commission
 - **Lehigh Valley** – Lehigh Valley Planning Commission

TAX CREDITS



Uncapped

Elective Pay

TRANSFERABLE

Stackable

**Tax
Credit**

**S
T
A
C
K
I
N
G**

**LMI Communities Bonus
10-20%**

**Domestic Content Bonus
10%**

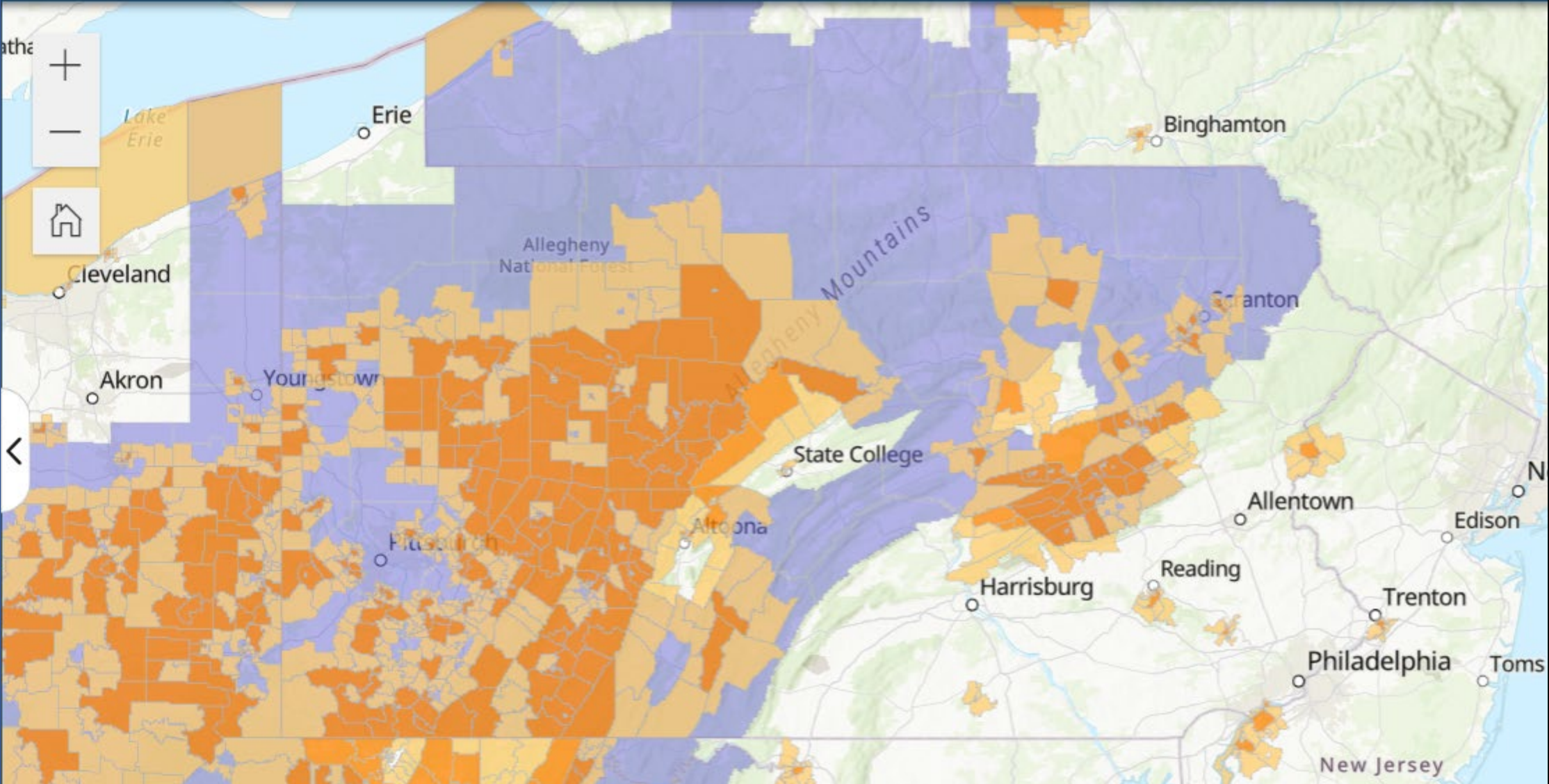
**Energy Communities Bonus
10%**

**Base Credit
30%**



**70 %
MAX**

Energy Community Tax Credit Bonus



NATIONAL ELECTRIC VEHICLE INFRASTRUCTURE



- Provides PA \$171.5 million over next 5 years for electric vehicle (EV) infrastructure
- Build out Alternative Fuel Corridors
- Round 1 Conditional Awards Announced – August 14, 2023
- 56 projects within 37 counties totaling \$34.8 million

CHARGING AND FUELING GRANT

Charging and Fueling Infrastructure (CFI) Discretionary Grant Program

- Provides \$2.5 billion over 5 years for alternative fueling projects
- \$700 million available in first round of funding (FY 22' and 23') – Closed in June 2023
- Awardees must provide 20% of total project cost

Funding is split between two categories

- Community Charging and Fueling Grants (Community Program)
- Alternative Fuel Corridor Grants (Corridor Program)

Project Merit Criteria

- Safety
- Climate Change, Resiliency, and Sustainability
- Equity, Community Engagement, and Justice40
- Workforce development, job quality, and wealth creation
- CFI Program Vision

CLEAN BUS PROGRAM - EPA

- **\$5 billion over 5 years (FY 2022-2026)**
 - \$2.5 billion for “zero-emission school buses”
 - \$2.5 billion for “clean school buses” (i.e., low-emission)
- **Eligible applicants**
 - State or local governmental entities that are responsible for providing school bus service
 - Eligible contractors
 - Nonprofit school transportation associations
- **2023 Rebate currently open for applications**
 - Due January 31, 2024
 - Review guidelines for eligibility



More information available at
<https://www.epa.gov/cleanschoolbus>



SCEP

STATE & COMMUNITY ENERGY PROGRAMS



U.S.DOE's Renew America's Schools Program

- Authorized by the Infrastructure Investment and Jobs Act
- First Round Selectees were announced on June 29, 2023. Due to high demand and overwhelming evidence of public need, DOE more than doubled the funding for Round 1 of the competition, from \$80 million to \$178 million.
- The Department of Energy anticipates releasing the second round of funding in Spring 2024.

179D Commercial Buildings Energy-Efficiency Tax Deduction



Buildings

Energy Efficient Commercial Buildings Tax Deduction

- Authorized by the Inflation Reduction Act
- If the system or building is installed on federal, state, or local government property, the 179D tax deduction may be taken by the person primarily responsible for the system's design.
- An increased deduction may be available for increased energy savings or meeting prevailing wage and apprenticeship requirements.
- Qualified investments include the interior lighting systems, the heating, cooling, ventilation, and hot water systems, or the building envelope and must reduce energy costs by 25% or more

Energy Efficiency Formula Grants

Energy Efficiency Revolving Loan Fund

\$3.3 million in new funding to capitalize or support a revolving loan fund for commercial (includes local government and nonprofits) & residential energy efficiency loans.

Anticipated winter 2023/24

Energy Efficiency and Conservation Block Grant Program

\$3.0 million to support small local governments and nonprofits programs with grants/rebates/financing for energy efficiency, renewable energy, and zero-emission transportation.

Anticipated winter 2023/24

Clean Energy Workforce Development

Energy Auditors Training Program

\$40 million

Maximum grant request of **\$2 million** for State Energy Offices to provide energy auditor training assistance.

State-Based Home Energy Efficiency Contractor Training Grants **\$190 million**

Provides states the ability to develop and implement a state workforce energy program that prepares workers to deliver energy efficiency, electrification, and clean energy improvements.

Building Codes Assistance/Training

\$225 million

Funds for energy code workforce training, codes updates, implementation, and compliance. First Round: \$3 million awarded to DEP and \$2 million to DEP partnership w/ Delaware.

Building Energy Codes

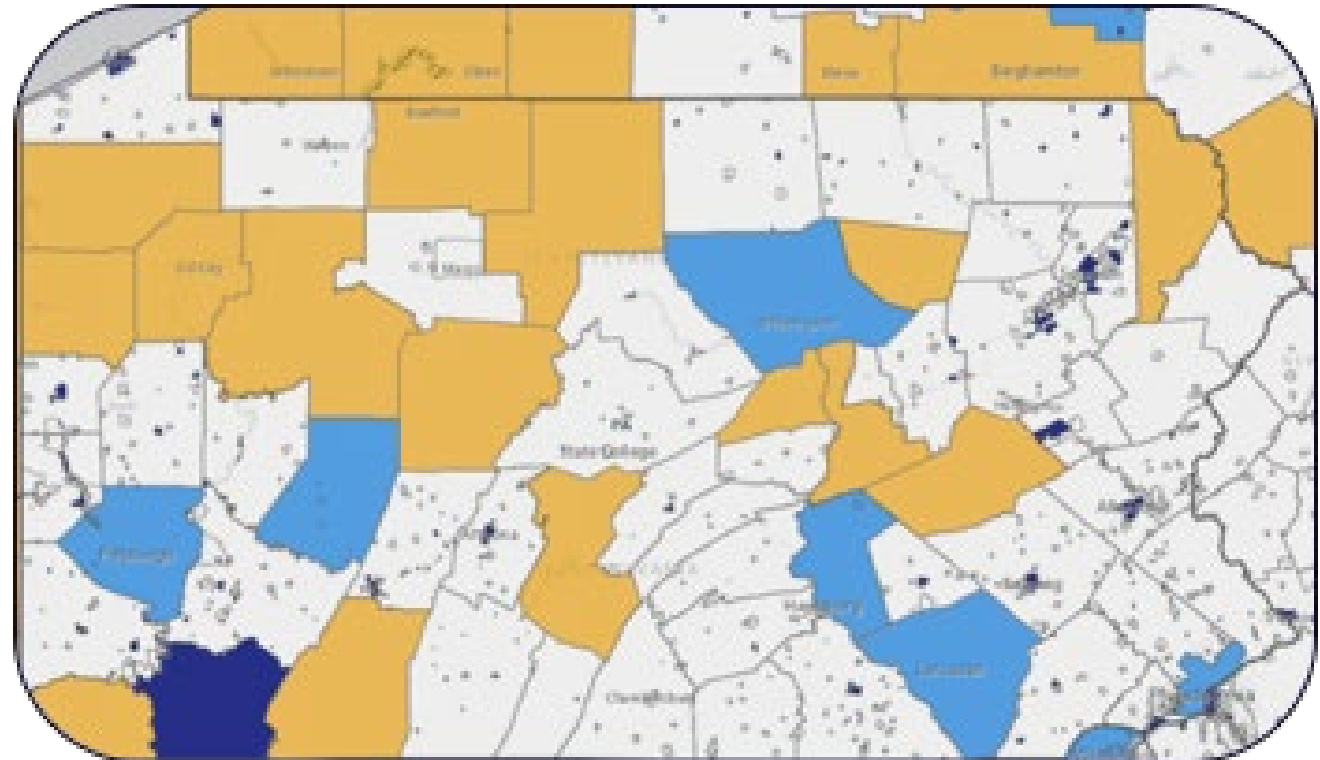
\$1 billion

\$330 million for states and local governments to support adoption of codes that meet or exceed the 2021 IECC for residential buildings and ANSI/ASHRAE/IES Standards for commercial buildings.

\$670 million for state code making agencies and local governments to support efforts to achieve the zero energy provisions of the 2021 IECC and a plan to promote full compliance.

U.S. Economic Development Administration's Distressed Area Recompete Pilot Program

- Authorized by the CHIPS and Science Act
- Invests \$200 million in areas where prime-age employment trails the national average for workforce development planning and technical assistance



Commonwealth Workforce Transformation Program

- ▼ Executive Order signed by Governor Shapiro on July 31, 2023
- ▼ Invests in PA's workforce by providing on-the-job training to new employees
- ▼ Allocates up to \$400 million in funding
- ▼ Creates up to 10,000 new jobs over 5 years



FEDERAL RESOURCES AND TOOLS



C2C: Clean Energy to Communities

U.S. DEPARTMENT OF ENERGY



EPA **Quantifying the Multiple Benefits of Energy Efficiency and Renewable Energy**

A Guide for State and Local Governments

State and Local Planning for Energy (SLOPE) Platform

State and Local Solution Center

Local Action Framework:
A Guide to Help Communities Achieve Energy and Environmental Goals



SCEP

STATE & COMMUNITY ENERGY PROGRAMS

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★ <https://www.epa.gov/statelocalenergy/tool-finder-local-government-clean-energy-initiatives>

Thank you!

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