

WEST VIRGINIA



OFFICE OF

ENERGY

A DIVISION OF THE WV DEVELOPMENT OFFICE



OUR MISSION

The West Virginia Office of Energy is responsible for the formulation and implementation of energy initiatives designed to advance resource development opportunities and provide energy services throughout West Virginia.

Priority areas: Buildings & Industry ● Energy Education ● Electric Power Generation ● Energy Policy, Planning ● Transportation ● Energy Resiliency and Emergency Response

- Support and promote a variety of energy related projects
- Provide education, training and technical assistance
- Host workshops; conferences; convene and facilitate
- Collaborate with local governments, organizations, agencies

TRAINING, EDUCATION & TECHNICAL ASSISTANCE

What: Energy Codes; HERS Rating, Building Analyst; Green realtor; Energy Audits; Home Energy Score; Energy Codes; Benchmarking; Building Energy Management; Resiliency; Performance Contracting

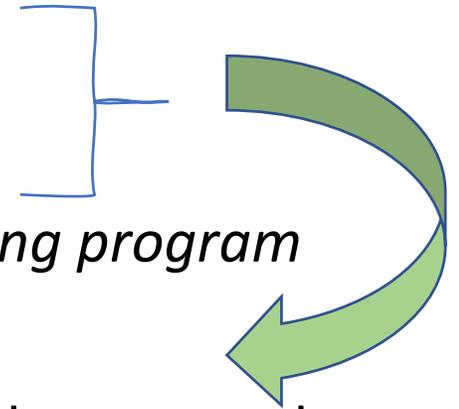
40+ Partners including:

- WVU School of Engineering and Industrial Extension
- Marshall University Energy Mgmt Program
- Bridgevalley CTC
- Penn College of Tech, Clean Energy Center
- Workforce WV
- US DOL Apprenticeship Prgs
- WV Community and Technical College System
- Coalfield Development
- WV Code Officials
- State Fire Marshal
- WV Homebuilders Association
- WV ASHRAE
- Energy Efficient WV
- Northeast Energy Efficiency Partnership
- Midwest Energy Efficiency Alliance

State Energy Efficiency Initiative

House Bill 2667: Energy Savings in Public Buildings: Set energy use reduction goal...25% by 2030

- *Benchmark and Inventory: Target 600 buildings per year*
- *Catalog deferred Maintenance: Target 600 buildings per year*
- *Audit utility accounts: Target 5000 accounts per year*
- *Establishes Guaranteed Energy Savings Performance Contracting program*



EE Workforce Strategic plan:

1. develop and disseminate a *Roadmap* and workforce development plan to address public facilities statewide.
2. Build understanding and support among key stakeholders to renovate state buildings across the state as a statewide economic development initiative that reduces operating costs and provides valuable jobs.
3. Provide training to marginalized and at-risk individuals in energy related fields



Evolution of Energy Reduction Legislation

2018 - WV K12 Energy Benchmarking Initiative –funded by USDOE



2020 - House Committee Resolution 128 – Study impact of utility cost to State agencies



2021 - *House Bill 2667: Energy Savings in Public Buildings*

Sets an energy use reduction goal...25% by 2030 tasks WVOE with establishing an energy savings program and contracting program



EE Strategic plan and Workforce Development Roadmap – by 2025



Funding for State Energy Office

+ Formula or Priority Funding for State Energy Offices

Amount	Program	Notes and Action Items
\$500 million	SEP Energy Security	-SEP Formula funding to State Energy Offices (in addition to FY22 SEP appropriations) -Impacts several funding streams
\$150 million	Energy Efficiency and Conservation Block Grant	Total EECBG funding of \$550 million 28% (\$150M) to State Energy Offices via the EECBG formula
\$100 million	Energy Efficiency Revolving Loan Fund Capitalization Grant Program (INSULATE)	SEP Formula funding for RLF for commercial/residential buildings
\$150 million	<i>Energy Efficiency Revolving Loan Fund Capitalization Grant Program (INSULATE)</i>	<i>For only 15 states with highest per- capita residential/commercial energy consumption OR highest annual per capita energy-related carbon emissions; provided via SEP formula</i>

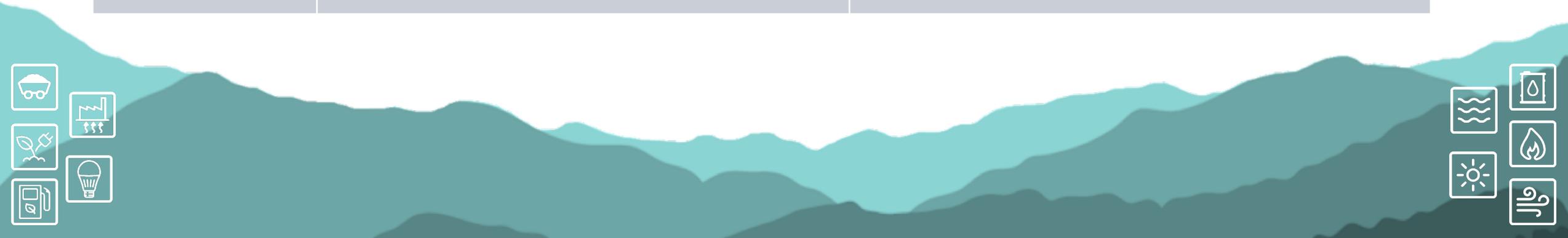
\$16Million



Funding for State Energy Offices

+ High-Priority Potential or Competitive

Amount	Program	Notes and Action Items
\$40 million	Energy Auditors Training Grant Program	Competitive - ONLY State Energy Offices eligible; max of \$2 million per state
\$225 million	Building Energy Codes and Technical Assistance Training	Competitive program States (and others) eligible; consider planning/partners now. \$2M
\$2.5 billion	Grid Infrastructure, Resilience, and Reliability	Via a TBD formula to states (not defined) WV is seeing a minimum \$4M



Funding for State Energy Offices

+ High-Priority Potential or Competitive

Energy Related Funding from Inflation Reduction Act (IRA)

\$45.5 Million	HOPE for HOMES Act Program (Section 50121)	NASEO estimate; exact allocation to be issued by DOE.
\$45.5 Million	High Efficiency Electric Home Rebate Program (Section 50122)	NASEO estimate; exact allocation to be issued by DOE.
\$1 Billion (all states)	Building Energy Codes Program (Section 50131)	Competitive for planning, adoption, compliance ASHRAE 90.1-2019/IECC 2021



Where we're going

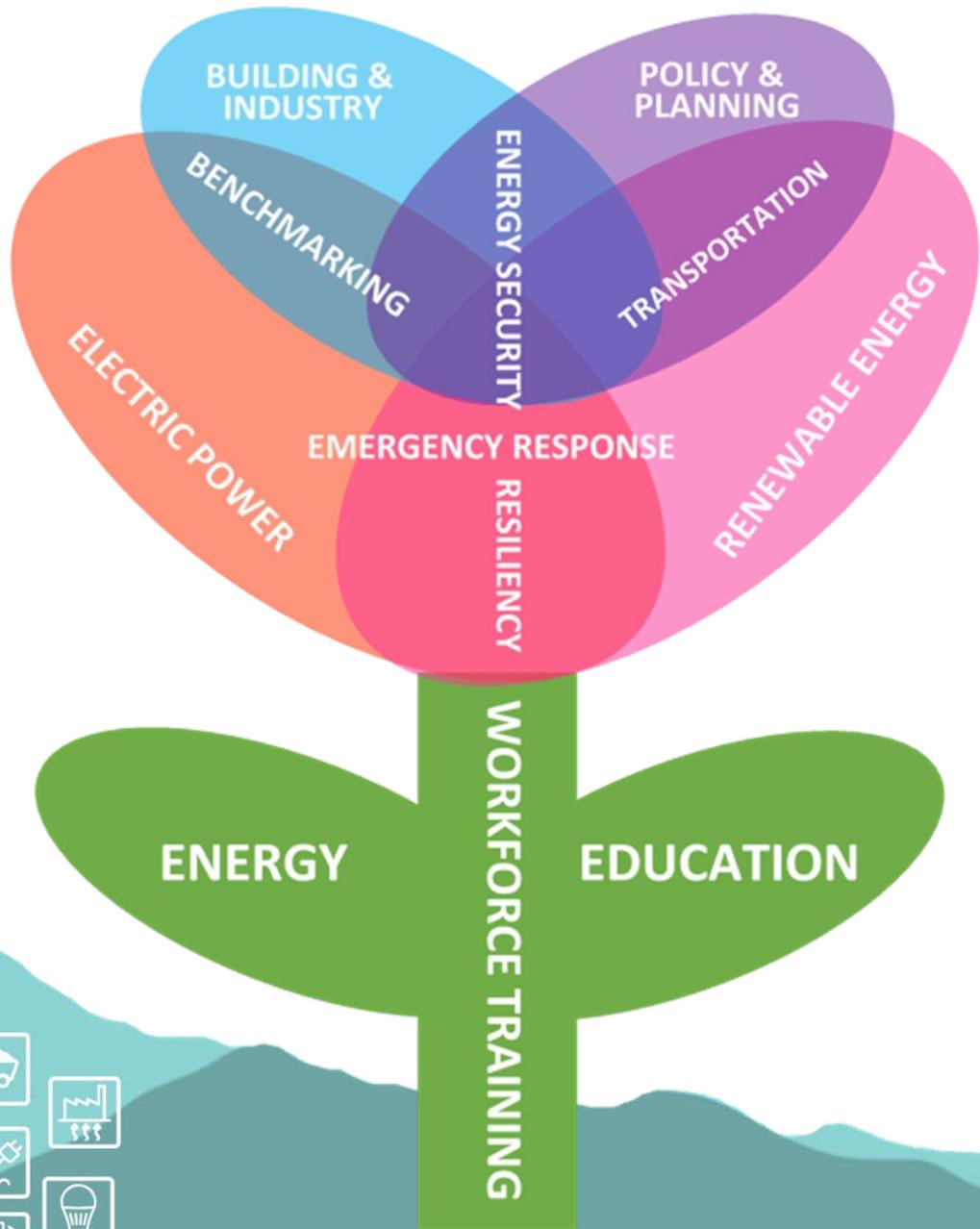
- **Goal**: Grow WV's energy workforce 20% by 2027
- New partnerships  statewide energy and climate technologies program
 - Virtual & live classes; mobile EE training laboratory
 - Pathways for certifications and credentialing
 - Apprenticeship programs for participants and employers

(1)train 2,000 candidates

(2)place 1,000 jobseekers in quality energy cluster jobs;

(3)retain 1,000 workers with the services needed to support state initiative





QUESTIONS or INFO

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