



BUILDING
PERFORMANCE
ASSOCIATION

XAVIER WALTER

State Outreach

xwalter@building-performance.org

ACTIVITIES IN THE MOUNTAIN STATE



Classroom and in-field trainings with diverse groups in a variety of settings.

Schools, Job sites, Real Estate Offices, Nonprofits, and community meet-ups.



Consumer awareness, education, and technical support

Connecting communities through energy efficiency and healthy homes



Stakeholder engagement from the ground-up

Legislative, Regulatory, Advisory, and active listening



Promotion of a Just Transition while respecting the present

Working with fossil fuel advocates, focus on the coalfields, power plant closures



Benchmarking and data collection to better inform decisions

Commercial, State owned buildings, code adoption, and utility programs



CODE TRAINING IN WV

Direct engagement:
179 people in 2021
148 people in 2019/2020
Training/Technical support

Indirect engagement:
Thousands of individuals
via trade shows and
community events.

Code Process
engagement with
multiple stakeholders at
the Fire Marshalls
Office

Over 100 BPI Building
Science Principles
Certificates

Established statewide network
of energy auditors and Raters.





STARTED WITH A NEEDS ASSESSMENT

- The WV Home Builders Association Foundation identified several individuals and multiple home types around the State for RESNET HERS ratings. Collected data and benchmarks years ahead of code changes.
- Sent 5 people to *Southface* for RESNET HERs Rater training and providership.
- *Later funded an additional 10 individual Raters and 5 BPI Building Analysts*
- Identify resources on the ground to do the work and the needs (or temperature) of the community.
- Partner with state and local organizations to ensure their buy-in and provide relevant technical help.
- NAHB, ASHRAE, ACCA, Code Officials Association (COA) and others....

UTILIZE SEP TO SET THE STAGE FOR IIJA



Conduct assessments –
Identify data points for
success measurement.



Focus on leveraging funds
for a common project
(Workforce, DOL, BBB,
SBA, Foundations, etc)



Reply upon those
passionate about what they
are doing.



Grow your team with
people on the ground, let
them do the work and hold
them accountable.



Plan for 3-5 years, some
targets may have a plateau



Set clear goals, however
large or small



INFRASTRUCTURE INVESTMENT JOBS ACT (IIJA)

DOE FACT SHEET: THE
BIPARTISAN
INFRASTRUCTURE DEAL
WILL DELIVER FOR
AMERICAN WORKERS,
FAMILIES AND USHER IN
THE CLEAN ENERGY
FUTURE | DEPARTMENT
OF ENERGY

SEC. 40502.
Revolving Loan
Fund

SEC. 40503.
Energy Auditor
Training Grant

SEC. 40109.
State Energy
Program

SEC. 40552.
Energy Efficiency
and Conservation
Block Grant

SEC. 40511.
Codes
Implementation

SEC. 50551
Weatherization
Assistance
Program

40511 - CODES AND RESILIENCE \$225,000,000

- Cost effective codes implementation and resilience
- Local and utility energy efficiency programs
 - Home Energy Score
 - Provide training and materials to contractors
- Additions or alterations to existing buildings
 - Health and safety measures

SEC. 40511. COST-EFFECTIVE CODES IMPLEMENTATION FOR EFFICIENCY AND RESILIENCE.

(a) IN GENERAL.—Title III of the Energy Conservation and Production Act (42 U.S.C. 6831 et seq.) is amended by adding at the end the following:

SEC. 303. COST-EFFECTIVE CODES IMPLEMENTATION FOR EFFICIENCY AND RESILIENCE.

(a) DEFINITIONS.—In this section:

(1) ELIGIBLE ENTITY.—The term 'eligible entity' means—

(A) a relevant State agency, as determined by the Secretary, such as a State building code agency, State energy office, or Tribal energy office; and

(B) a partnership.

(2) PARTNERSHIP.—The term 'partnership' means a partnership between an eligible entity described in paragraph (1)(A) and 1 or more of the following entities:

(A) Local building code agencies.

(B) Codes and standards developers.

(C) Associations of builders and design and construction professionals.

(D) Local and utility energy efficiency programs.

(E) Consumer, energy efficiency, and environmental advocates.

(F) Other entities, as determined by the Secretary.

(3) SECRETARY.—The term 'Secretary' means the Secretary of Energy.

(b) ESTABLISHMENT.—

(1) IN GENERAL.—The Secretary shall establish within the Building Technologies Office of the Department of Energy a program under which the Secretary shall award grants on a competitive basis to eligible entities to enable sustained cost-effective implementation of updated building energy codes.

(2) UPDATED BUILDING ENERGY CODE.—An update to a building energy code under this section, including an amendment that results in increased efficiency compared to the previously adopted building energy code, shall include any update made available after the existing building energy code, even if it is not the most recent updated code available.

(c) CRITERIA; PRIORITY.—In awarding grants under subsection (b), the Secretary shall—

(1) consider—

(A) prospective energy savings and plans to measure the savings, including utilizing the Environmental Protection Agency Portfolio Manager, the Home Energy Score rating of the Office of Energy Efficiency and Renewable Energy of the Department of Energy, the Energy Star Building rating methodologies of the Environmental Protection Agency, and other methodologies determined appropriate by the Secretary;

(B) the long-term sustainability of these measures and savings;

(C) prospective benefits, and plans to assess the benefits, including benefits relating to—

(i) resilience and peak load reduction;

(ii) occupant safety and health; and

(iii) environmental performance;

(D) the demonstrated capacity of the eligible entity to carry out the proposed project; and

(E) the need of the eligible entity for assistance; and

(d) ELIGIBLE ACTIVITIES.—

(1) IN GENERAL.—An eligible entity awarded a grant under this section may use the grant funds—

(A) to create or enable State or regional partnerships to provide training and materials to—

(i) builders, contractors, and subcontractors, architects, and other design and construction professionals, relating to meeting updated building energy codes in a cost-effective manner; and

(ii) building code officials, relating to improving implementation of and compliance with building energy codes;

(B) to collect and disseminate quantitative data on construction and codes implementation, including code pathways, performance metrics, and technologies used;

(C) to develop and implement a plan for highly effective codes implementation, including measuring compliance;

(D) to address various implementation needs in rural, suburban, and urban areas; and

(E) to implement updates in energy codes for—

(i) new residential and commercial buildings (including multifamily buildings); and

(ii) additions and alterations to existing residential and commercial buildings (including multifamily buildings).

(2) RELATED TOPICS.—Training and materials provided using a grant under this section may include information on the relationship between energy codes and—

(A) cost-effective, high-performance, and zero-net-energy buildings;

(B) improving resilience, health, and safety;

(C) water savings and other environmental impacts; and

(D) the economic impacts of energy codes.

(e) AUTHORIZATION OF APPROPRIATIONS.—There is authorized to be appropriated to the Secretary to carry out this section \$225,000,000 for the period of fiscal years 2022 through 2026.

(b) CONFORMING AMENDMENT.—Section 303 of the Energy Conservation and Production Act (42 U.S.C. 6832) is amended, in the matter preceding paragraph (1), by striking "As used in" and inserting "Except as otherwise provided, in".

ENERGY CODES ARE LIFE SAFETY CODES

Energy savings subsidize increased building costs over time

The real benefit is a healthier home, a better consumer product, and economic development

Thank you,
Xavier Walter

xwalter@building-performance.org

609-504-2119

