



The webinar will begin shortly



NEEP Allies and Funders Webinar

February 10, 2022





Welcome

Jessica Augat
Industry Relations
& Event Manager



Jennifer Wassan
Development Manager



Things to Note

- This webinar is being recorded
- In NEEP's ongoing effort to improve accessibility to both our work and events, we have enabled the closed captioning, the control to disable this feature is located in the lower right corner
- The slides and recording will be sent to all funders
- All lines will remain on mute—please type in your questions at any time
- Chat will be available for comments, discussion, and collaboration
- Antitrust statement: Participants shall comply with competition law requirements and shall not enter into any discussion, activity or conduct that may violate any applicable competition law.

Allies Network



State Partners



Connecticut

State Partners: CT DEEP, CT Energy Efficiency Board, Eversource Energy, United Illuminating Company, Southern Connecticut Gas and Connecticut Natural Gas

Partners in 2017/2018/2019/2020/2021

District of Columbia

State Partners: Department of Energy and Environment and DC Sustainable Energy Utility

Partners in 2017/2019/2020/2021

Massachusetts

State Partners: Massachusetts Department of Energy Resources

Partners in 2019/2020/2021

New Hampshire

State Partners: NH Office of Strategic Initiatives, NH Public Utilities Commission, Eversource Energy, NH Electric Coop, Unitil and Liberty Utilities

Partners in 2017/2018/2019/2020

New York

State Partners: NYSERDA

Partners in 2017/2018/2019/2020/2021

Rhode Island

State Partners: RI Office of Energy Resources, National Grid RI, RI Department and Education and RI Energy Efficiency & Resource Management Council

Partners in 2017/2018/2019/2020/2021

Vermont

State Partners: Efficiency Vermont

Partners in 2017/2018/2019/2020/2021

West Virginia

State Partners: West Virginia Office of Energy

Partners in 2020/2021

Funders





Massachusetts 2022-2024 Energy Efficiency Investment Plan



Arah Schuur
Executive Director

Foundational Massachusetts Policies



2008: Green Communities Act

- 2010-2012 Three Year Plan
- 2013-2015 Three Year Plan
- 2016-2018 Three Year Plan

2018: An Act to Advance Clean Energy

- 2019-2021 Three Year Plan

2021: An Act Creating A Next-Generation Roadmap For Massachusetts Climate Policy

- 2022-2024 Three Year Plan

DPU Order Summary



Approved Massachusetts' Program Administrators 2022-2024 Energy Efficiency Investment Plan

- **Budget:** ~\$4.0 billion
- **Benefits:** ~\$9.0 billion
- **GHG reduction:** 845,000 metric tons (by 2030)

Approved programs, metrics, and a new performance incentive construct designed to deliver:

- equity
- electrification
- “standard” energy efficiency
- ...and value

Social Value of GHG Emissions Reductions




AESC 2021 Supplemental Study

Update to Social Cost of Carbon
Recommendation

Prepared for AESC Supplemental Study Group

October 12, 2021

A teal arrow points from the bottom right towards the date 'October 12, 2021'.

\$128/ton?

\$393/ton?

Performance Incentives: New Framework



- Performance incentives provide financial return for achieving goals: % of total budget, based on benefits achieved
- DPU
 - approved separate components for equity, strategic electrification, and “traditional” goals
 - added value component back
 - reduced performance incentive pool by 10%



Equity

- Energy Efficiency Advisory Committee's (EEAC) Equity Working group recommendations identified 38 target communities
- DPU
 - Created their own test to define target communities
 - Approved new “hard to reach” programs, metrics, tracking
 - Approved robust workforce programs
 - Approved equity-based performance incentive component



Greater Boston Area Energy Burden.
NEEP Recognizing Energy Inequities for Building Decarbonization

Strategic Electrification



- Big heat pump goals
 - Supported by workforce development, customer education campaign
- Strong focus on weatherization + electrification – mandatory for enhanced incentives
- Path-to-Zero all-electric new construction



Other Notable Programmatic Components



- Reinstated all cost-effective EE measures
 - residential lighting
 - gas and propane heating
 - combined heat and power (CHP)
- Did not approve budget for residential energy scorecards
- Did not approve solar, solar inverters, biofuel systems as energy efficiency measures
- Minor expansion / back to the drawing board on demand response programs
 - Approved: Battery storage
 - Approved: Thermostat + A/C control (opt-in only)
 - Needs more details: EV chargers
 - Rejected: Solar inverter for power factor regulation



Fundamental Changes to Ratepayer Funded Energy Efficiency



- Caution about significant bill impacts and ratepayer burden
- Emphasis on finding other sources of revenue
- Fixed program budgets – no changes unless conservation can be demonstrated
- Signaled the end of revenue decoupling for electric utilities

“Investments in traditional energy efficiency programs result in savings on a participant’s bill through reduced energy usage, which will persist for the lives of the energy efficiency measures installed... This participant effect, however, will soon no longer be a feature of the electric Three-Year Plans.”

For more information contact Public Policy Manager Erin Cosgrove
ecosgrove@neep.org



NEEP Summit - Scaling UP
Early June | Baltimore



Codes and Standards

Andrea Krim
Building Policy
Manager



Darren Port
Senior Codes &
Standards Manager

Building Energy Codes



2009

WV → 2015

2015

ME → 2021

CT → 2021

NH → 2018

DC → 2021

2018

MA → 2021*

NY → 2021*

MD → 2021

NJ → 2021

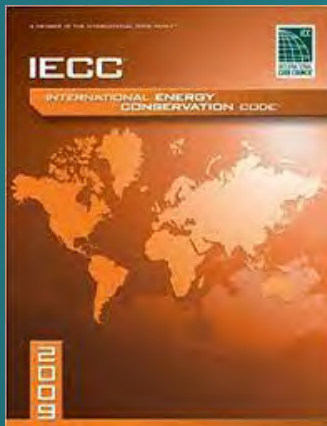
VT → 2021*

DE → 2021

PA → 2021

RI*

*Updating stretch codes



Appliance Standards



Passed/Signed (Dec 2020 to date)

- DC, MA, ME, RI, NJ

Rulemaking 2022

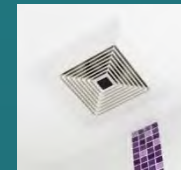
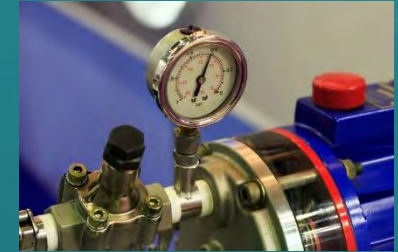
- CT

Introduce or Reintroduce 2022

- MD, NY, PA, VT

State Appliance Standards Database (SASD)

www.neep.org/SASD





Energy Efficiency and Equity



Emme Luck
Energy & Climate Associate

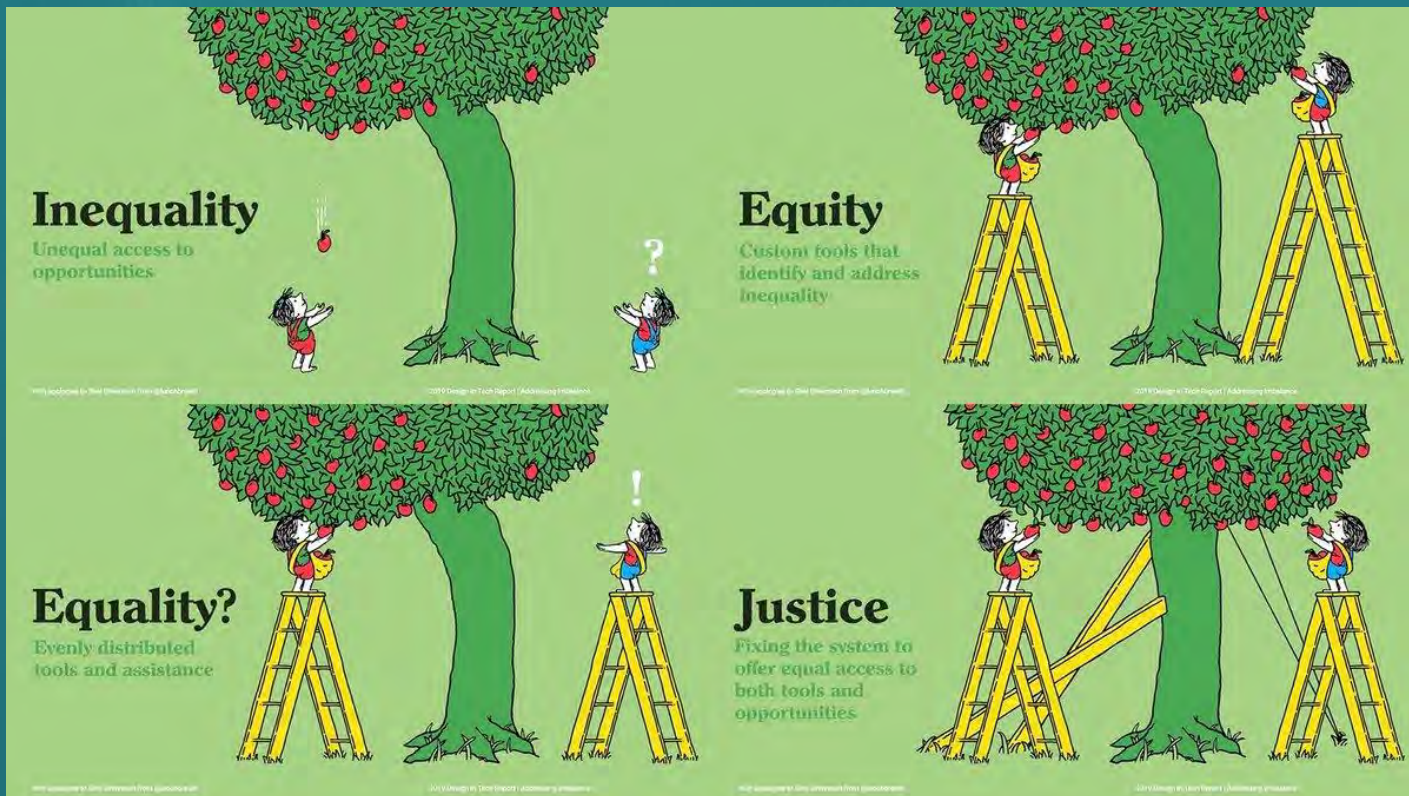


Recognizing Energy Inequities for Building Decarbonization

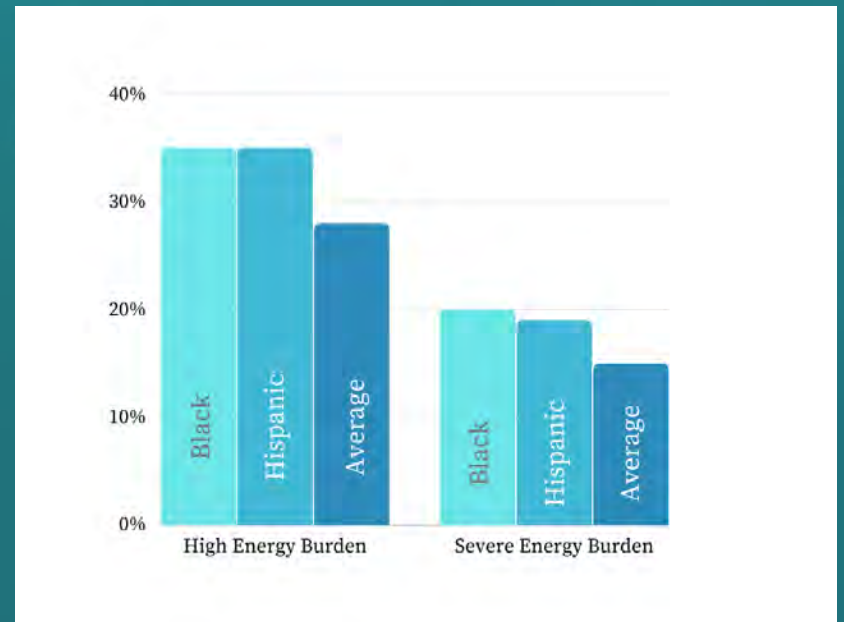
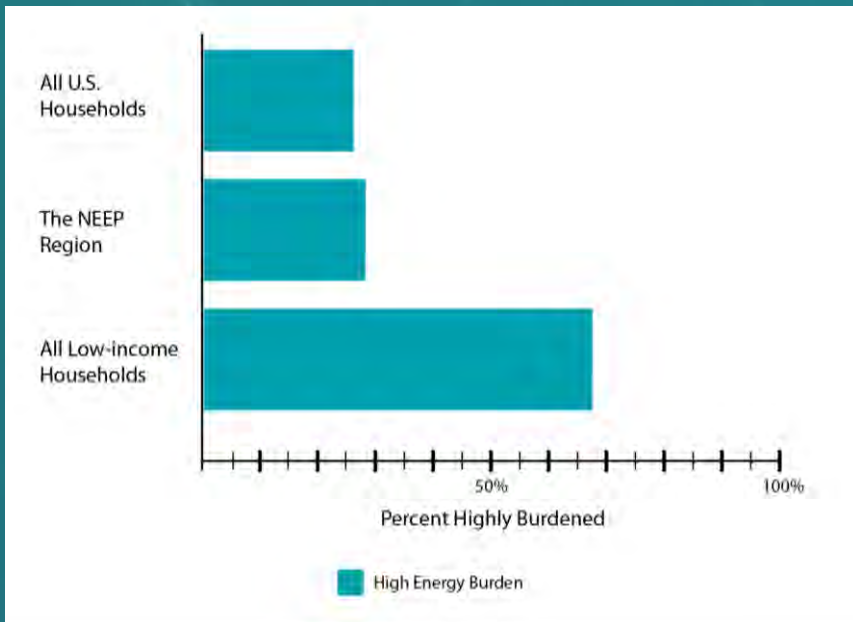
The StoryMap

Equity is Not The Same as Equality

"Equity takes into account that people have different access to resources because of systems of oppression and privilege. Equity seeks to balance that disparity." – [the Avarna Group](#)

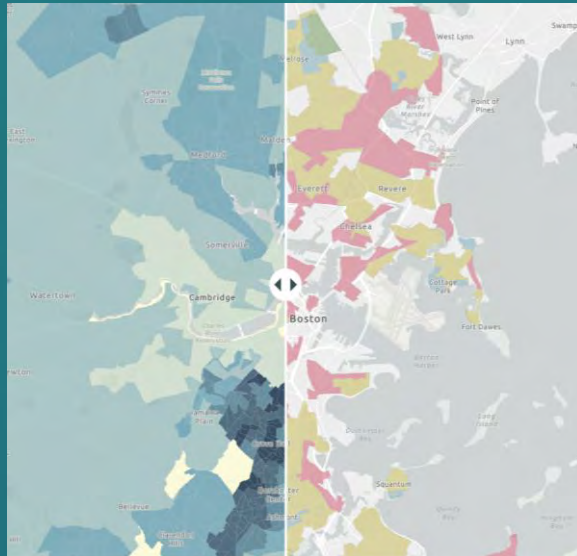


U.S. Household Energy Burdens

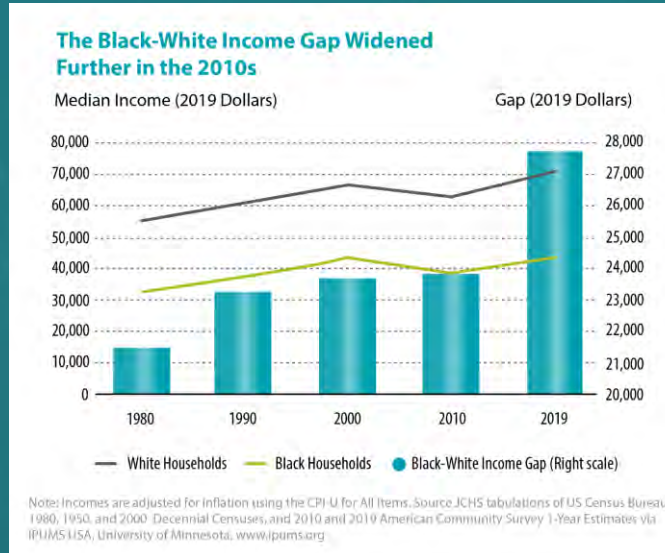


Root Causes of Energy Inequities

Redlining and Segregation



Income Inequalities



Aging Housing Stock



Energy Inequities Cause Health Disparities

Social Determinants of Health



Exacerbating Practices



- Utility Rate Structure
- Program Design
- Landlord-Tenant Split Incentive
- Treatment of Manufactured Housing
- Costs and Financing
- Weatherization Program Limitations
- Workforce Inequalities



Near-Term Strategies for Centering Energy Equity

The Brief

Near-Term Strategies

- Equity Committees
- Community Participation and the Spectrum of Engagement to Ownership
- Racial Equity or Health Impact Assessments
- Approaches to Measuring Equity
- Cost-Benefit Analyses
- Evaluation, Measurement, and Verification
- Restorative Justice
- Retrofitting Homes for Health and Efficiency
- Rental Registries, Minimum Efficiency Standards, and Anti-Displacement Policies
- Equitable Workforce Development



Cost-Benefit Analyses and Evaluation, Measurement, and Verification



CBA

- Quantify full costs and benefits of program impacts
- Include non-energy benefits

EM&V

- Shift framework to consider effects beyond spending and savings
- Include metrics to allow for comprehensive evaluation of equity metrics

Restorative Justice

“Restorative justice is a process where all the stakeholders affected by an injustice have an opportunity to discuss how they have been affected by the injustice and to decide what should be done to repair the harm” - John Braithwaite



Retrofitting Homes for Health and Efficiency

- *Coming Q2*
- Health & energy efficiency
- Whole-home retrofits
- One-stop-shop model
- Example programs

Approaches to Measuring Equity

- *Coming Q3*
- Explore metrics to center equity in CBA and EM&V
- *Input needed!*



Policy Update



Chase Macpherson
Community Decarbonization Associate

- **SB528/HB708, Climate Solutions Now Act of 2022**
 - Mandates Energy Efficiency Savings Targets for EmPOWER Programs for 2024 and beyond
 - Est. Net-Zero GHG emissions goal state-wide by 2045
 - New schools and capital projects using state funds must be constructed to be a “High Performance Building”
- **SB524/HB108, Energy Efficiency Performance Targets and Low-Income Housing**
 - Est. Energy Savings Target of .4% per year for low income programs in the state.
 - Require the DHCD to develop a plan to coordinate and leverage funding for energy efficiency plus other home upgrades and create a plan to provide retrofits to all low-income households by 2030.
- **SB471, FUTURE Act**
 - Requires each public senior higher education institution to be carbon neutral on or before January 1, 2025, and January 1, 2035
 - Requires the institutions to designate someone to implement and monitor progress

- **HB549, Relative to Systems Benefit Charge**
 - Seeks to restore the state's energy efficiency programs after the recent Commission's order
 - Modifies system benefits charge so that it will be permanent and adjust year to year
 - Re-instates New Hampshire's EE programs and creates certainty in future planning
 - Mandates that at least 20% of the EE funds collected be spent on low-income energy efficiency programs

- **S0284, An Act Relating to Weatherization**
 - Sets state goal of weatherizing 120,000 housing units by 2031
 - Establishes a Weatherization Working Group to facilitate and accelerate implementation
- **S0148, An Act Relating to Environmental Justice In Vermont**
 - Creates an Environmental Justice State Policy -- the state is responsible for pursuing EJ for its residents and ensuring it does not unfairly burden low income and BIPOC communities
 - Defines environmental benefits and burdens for the state and “meaningful participation”

- **A09008, Governor Hochul's State Budget**
 - Proposes funding for building code updates and strengthening code enforcement
 - Funding for benchmarking buildings across the state
 - Proposes changes to appliance standards
 - Bans the use of fossil fuels in new construction as of 2027



Regulatory Proceedings

Request for comments:

- Connecticut, Comprehensive Energy Strategy
 - Virtual Meeting: February 17, 2022
 - Comments Due: March 3, 2022
- Maryland, United Benefit Cost Analysis for Distributed Energy Resources
 - Comments Due: February 16, 2022
 - Hearing on Comments: February 23, 2022

For more information contact Public Policy Manager Erin Cosgrove at ecosgrove@neep.org



Building Performance Standards



John Balfe
**Senior Buildings &
Community Solutions
Manager**

Federal Activities

- BPS for Federal Buildings
 - Initiative announced in 2021
- Buildings Performance Standards Coalition
- Updates to ENERGY STAR Portfolio Manager
- New Resources
 - Announced in January 2022



Regional Progress



- Boston, MA Passed in September 2021
 - Passed in Sept 2021
- Montgomery County, MD
 - Legislation introduced; regulations to be issued by June 1, 2022 (proposed)
- Cambridge, MA
 - Amendments proposed to BEUDO



Building Energy Analysis Manager (BEAM)



- Facilitating BEPS and Benchmarking Compliance
- Coming Soon: The Center for Building Performance Standards
- 2022 BEPS Workshop



Upcoming Webinar

A promotional graphic for a webinar. It features a yellow-green background with a faint, repeating pattern of the word 'Nexus' in a light blue color. The text is white and centered. In the top right corner of the graphic is a small version of the 'neep' logo.

neep

READY, SET, SCALE.

**Nexus of Codes
and Building
Performance
Standards**

FEBRUARY 22 | 11 AM EST

Thursday, April 7
11:00 a.m. – 12 p.m.

Thank you!
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