

Welcome to the waiting room. We'll begin shortly.

A yellow-green rectangular graphic with a background of overlapping, semi-transparent chevron shapes pointing to the right. In the top left corner is the 'neep' logo. Below it, the text 'READY, SET, SCALE.' is written in a white, uppercase, sans-serif font. The main title, 'Changing Opportunities for Appliance Standards', is written in a large, bold, white, sans-serif font. At the bottom, the date and time 'APRIL 26 | 11 AM EST' are written in a white, uppercase, sans-serif font.

neep

READY, SET, SCALE.

**Changing Opportunities  
for Appliance  
Standards**

APRIL 26 | 11 AM EST

Reminder: Today's webinar will be recorded and a copy will be emailed to you.



# Welcome



**Arah Schuur**  
**Executive Director**



# Overview



**Darren Port**  
**Senior Codes &**  
**Standards 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
- All lines will remain on mute—please type in your questions at any time
- Chat will be available for comments, discussion, and collaboration

Series Sponsor



# Funders



# 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 2017/2018/2019/2020/2021/2022

## District of Columbia

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

Partners in 2017/2019/2020/2021/2022

## Massachusetts

**State Partners:** Massachusetts Department of Energy Resources

Partners in 2019/2020/2021/2022

## 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 Jersey

**State Partners:** BPU

Partners in 2022

## New York

**State Partners:** NYSERDA

Partners in 2017/2018/2019/2020/2021/2022

## 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 2017/2018/2019/2020/2021/2022

## West Virginia

**State Partners:** West Virginia Office of Energy

Partners in 2020/2021/2022



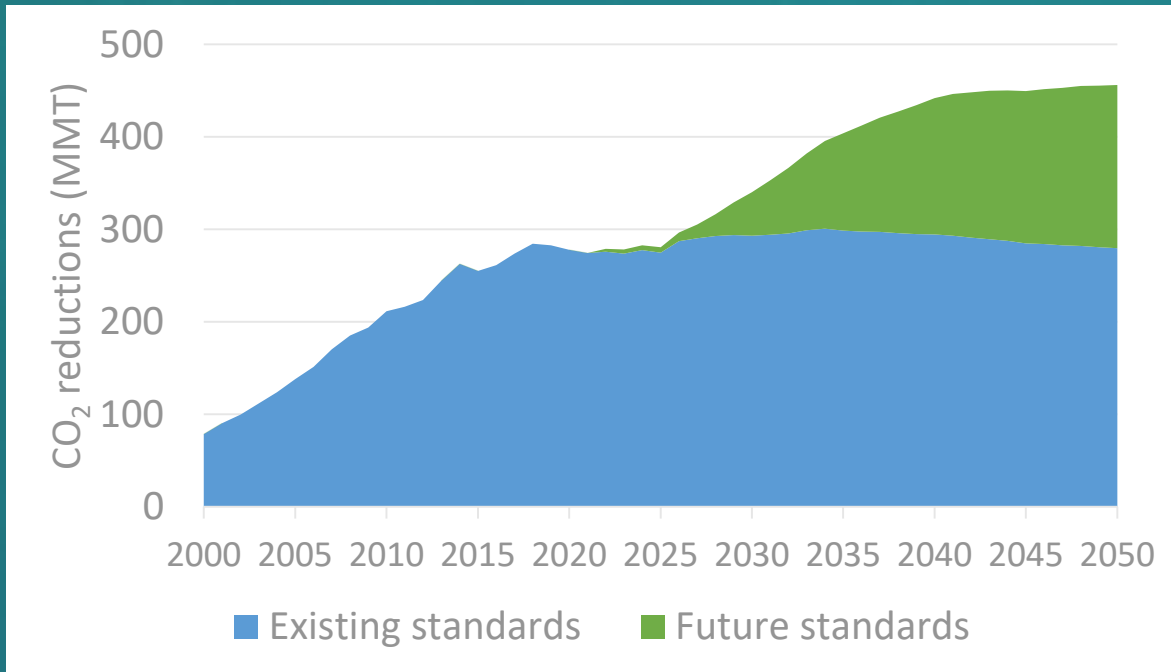


**ASAP**

**Andrew deLaski**

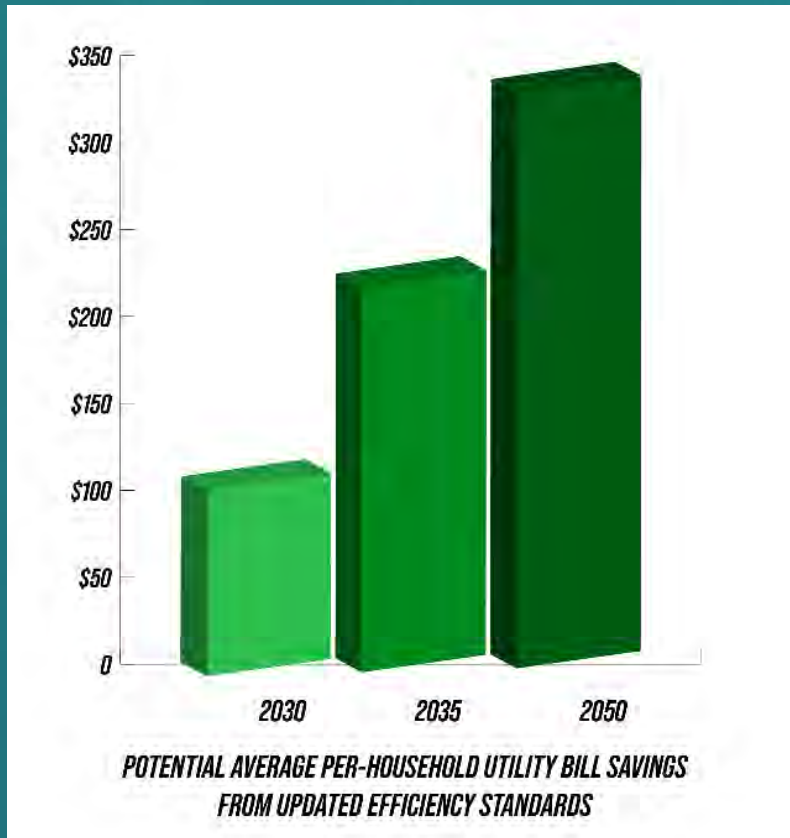
Executive Director

# Annual CO<sub>2</sub> emissions reductions



Cumulative CO <sub>2</sub> reductions	
From existing standards	
2000-2021	4.4 BMT
2022-2050	8.4 BMT
From potential future standards	
2022-2050	2.9 BMT

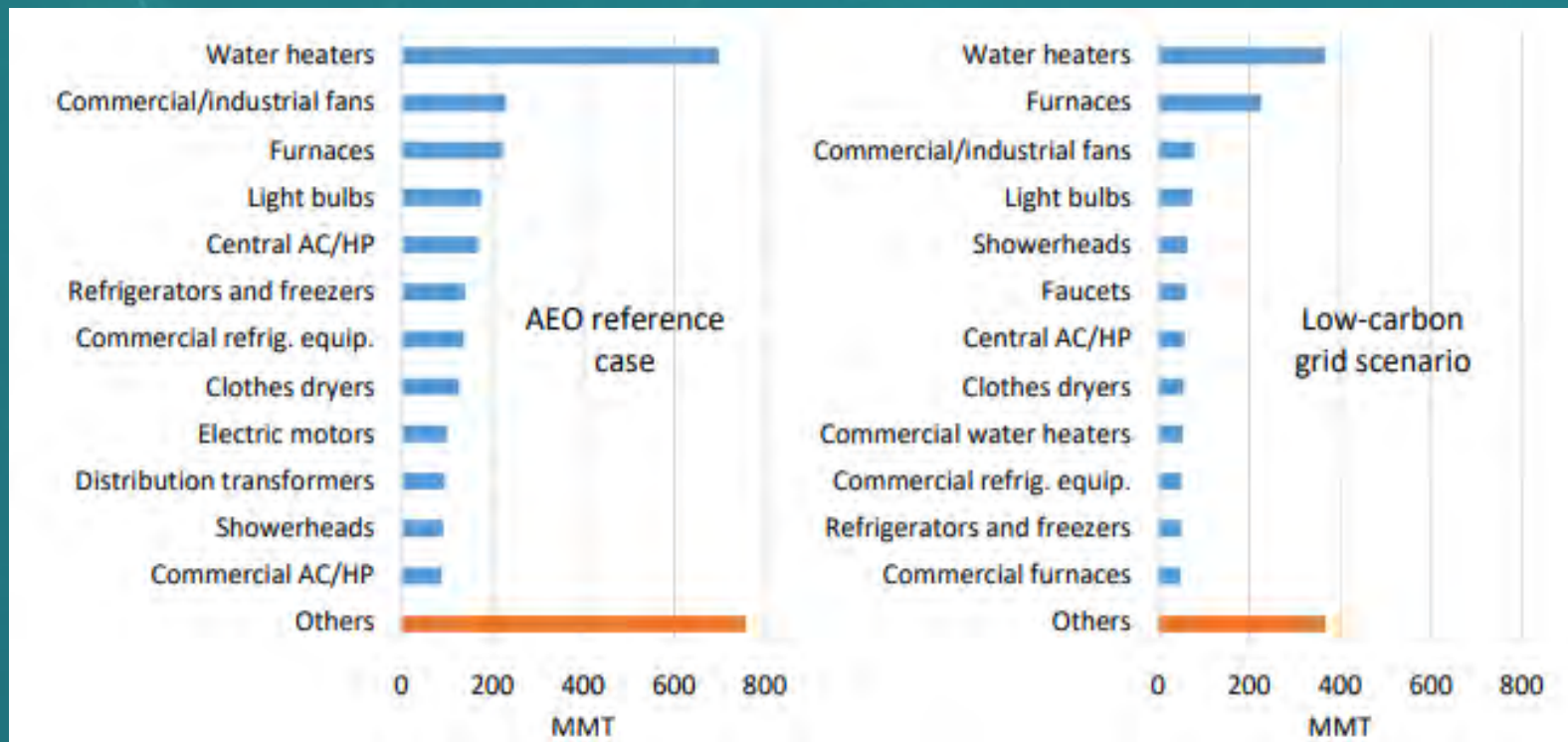
# Annual CO<sub>2</sub> emissions reductions



*“Updated standards for 47 product types could save the average U.S. households \$230 on their utility bills every year by 2035”*

This chart to the left demonstrates the monetary estimates of annual utility bill savings per average household if standards are updated, as analyzed in ASAP’s 2020 report *A Powerful Priority*

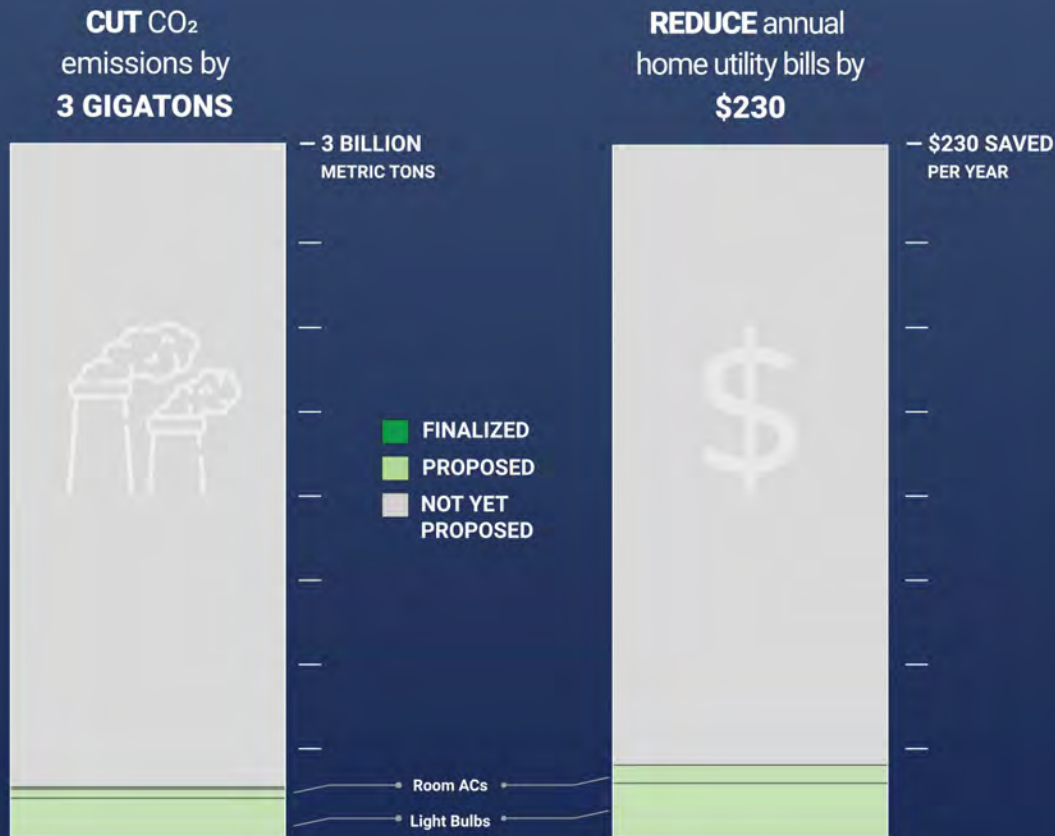
Potential cumulative CO2 reductions through 2050 for the top dozen products (and all others combined)\*



\*From ASAP/ACEEE [2020 report](#)

# President Biden's Progress Updating Appliance Efficiency Standards

By updating energy efficiency standards for 50 products by Jan. 2025, the Energy Department can:

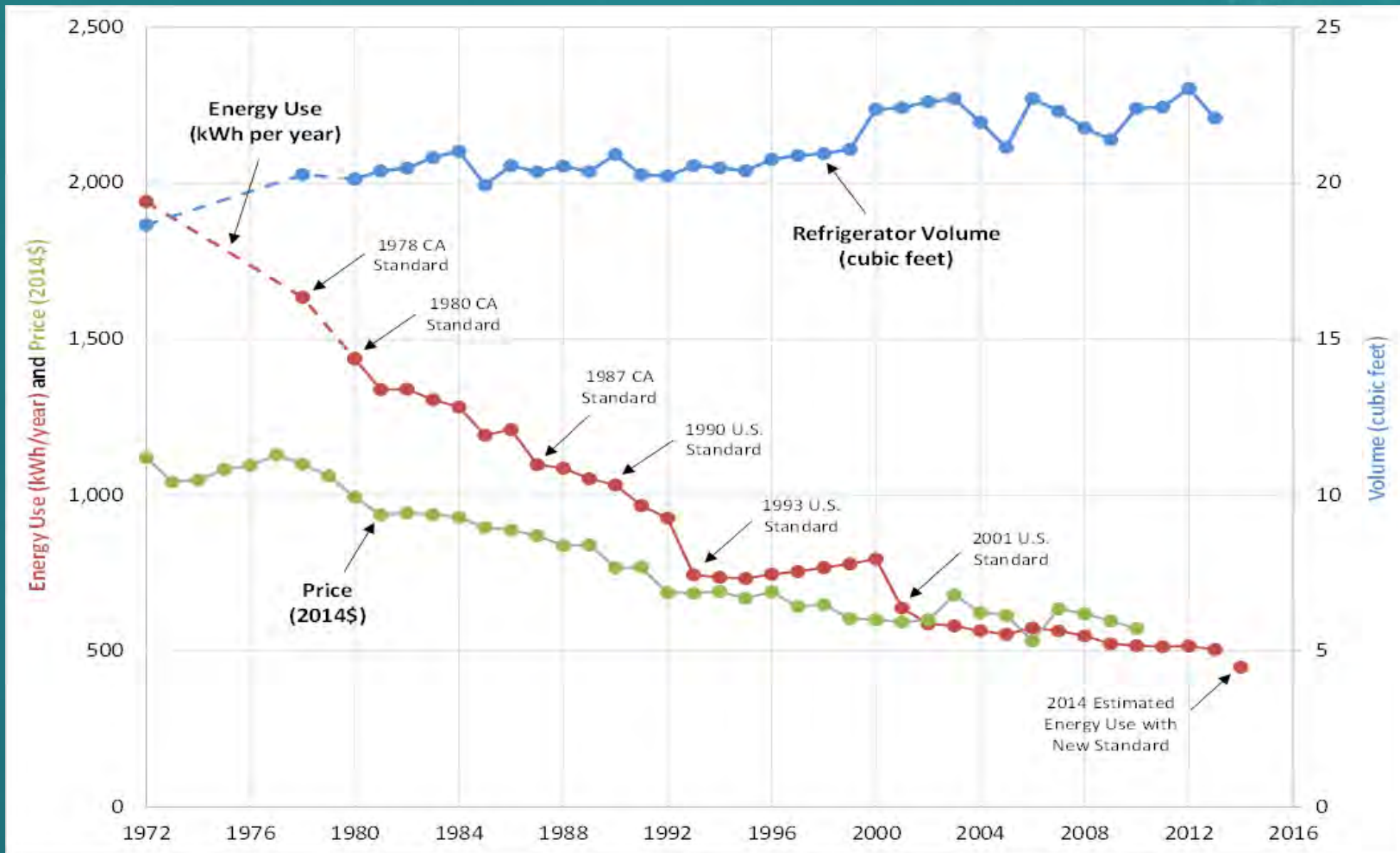


## Upcoming Rules under White House Review

STANDARD	UPCOMING ACTION	REVIEW DEADLINE
LIGHT BULBS <small>(common shapes meet rules)</small>	Final	<b>March 15</b>
COMMERCIAL WATER HEATERS	Proposed	May 1
HOME FURNACES	Proposed	May 24
LIGHT BULBS <small>(efficiency standard)</small>	Final	June 5
CLOTHES DRYERS	Proposed	June 9
POOL PUMP MOTORS	Proposed	June 22

*Deadline dates are 90 days after the White House Office of Information and Regulatory Affairs receives DOE's draft action, per Executive Order 12866.*

# Refrigerator Energy Use, Price and Volume



# Contact

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# Leah Louis - Prescott

Senior Associate of Carbon Free Buildings



## Appliances emit over five times as much NO<sub>x</sub> pollution as power plants in NE states



Power  
Plants

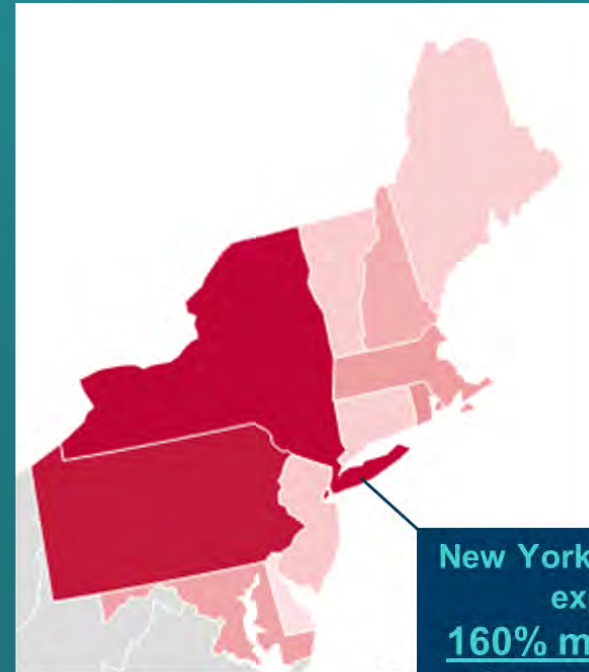
Appliances

# Benefits of Emission Standards



## Pollution Reduction

Protects health & reduces environmental injustice



Percent increase in residential gas pollution exposure, compared to Whites

0% 80% 160%

Created with Datawrapper

New Yorkers of Color are exposed to **160% more pollution** from residential gas combustion than White New Yorkers

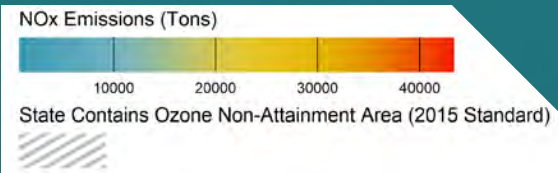
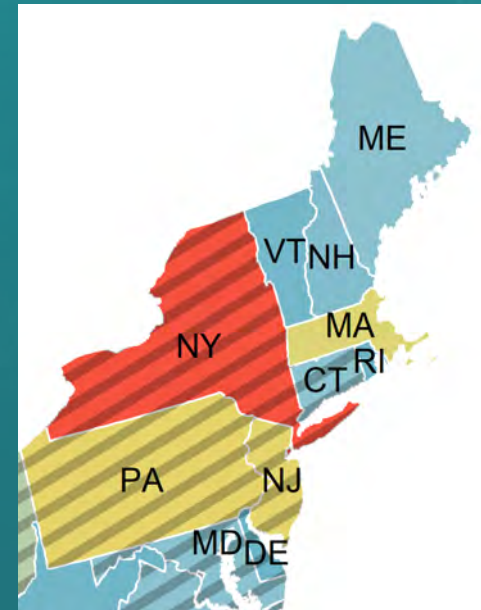
# Benefits of Emission Standards



## Pollution Reduction

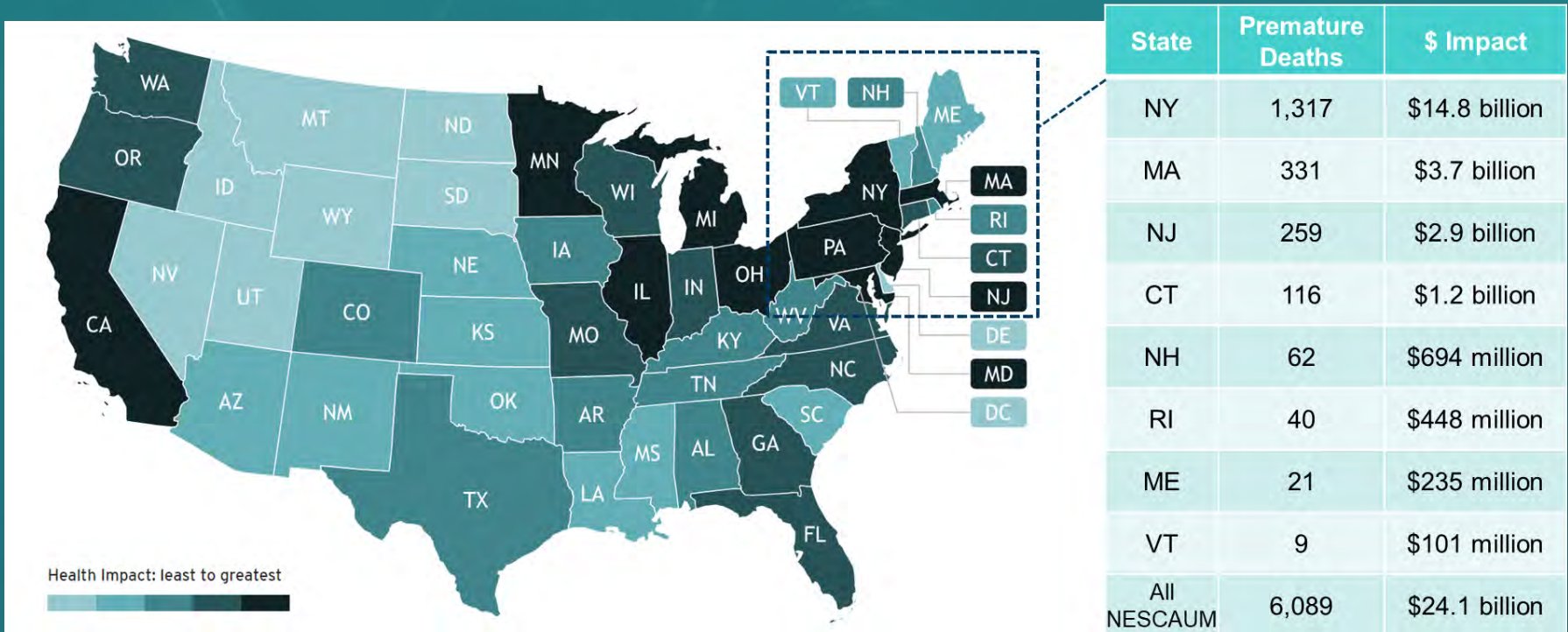
Protects health & reduces environmental injustice

Helps attain air quality standards



Source: EPA 2017 National Emissions Inventory and Green Book Nonattainment Areas

# Fossil fuel appliance pollution causes substantial health harms in NE states



Based on RMI analysis using median estimates from the results of 3 reduced complexity models used in: Jonathan J. Buonocore (Harvard T.H. Chan School of Public Health) et al., *A Decade of The U.S. Energy Mix Transitioning Away from Coal: Historical Reconstruction of the Reductions in the Public Health Burden of Energy*, 2021 Environ. Res. Lett. 16 054030, <https://doi.org/10.1088/1748-9326/abe74c>, as well as additional analysis from Jonathan Buonocore, Sc.D., the study's lead author.

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READY, SET, SCALE.

# Considerations for an Equitable Building Performance Standard

MAY 24 | 11 AM EST

# NEEP Summit 2022 | ScalingUP

June 13 – 15 | Baltimore Harbor East

