



Making Buildings Better for Everyone

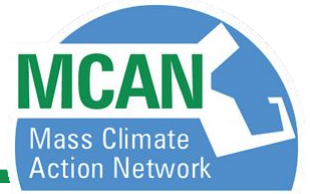
**YOU can change the way buildings are built around
the world for the better.**

What is MCAN?



- Founded in 2000
- We provide a network and expertise to help town level groups take action on climate locally
- A network of organizations (our 50+ chapters) and advocates at the town and city level
- Work to make community level change and turn that into state and national level change.

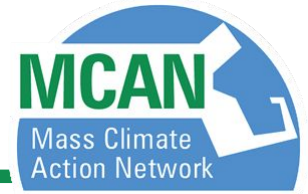
Climate Change is Happening



Tornados in Springfield, MA



The national picture?



Trump's pick for EPA already rolling back climate change protections

By Scott Bronstein, Drew Griffin and Collette Richards, CNN

Updated 10:44 PM ET, Mon December 3, 2018



EPA administrator for climate change skeptic Pruitt

AMERICA

Trump Announces U.S. Withdrawal From Paris Climate Accord

June 1, 2017 - 10:54 AM ET



CAMILA DOMONOSKE



COLIN DWYER



Donald J. Trump

@realDonaldTrump



Following

The concept of global warming was created by and for the Chinese in order to make U.S. manufacturing non-competitive.

RETWEETS

24,831

LIKES

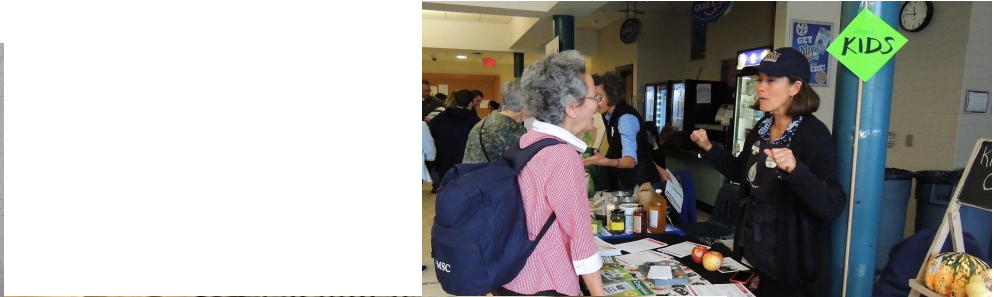
14,654



2:15 PM - 6 Nov 2012



It's all about the local action!



Local has always led on climate change

We have the tools



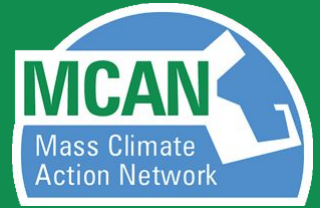
Why Better Building Codes?



Buildings contribute to climate change

In MA, buildings are responsible for **over half** of all energy consumption and are responsible for **over 40%** of carbon pollution.





In Massachusetts, we have two building codes, promulgated by the Board of Building Regulations & Standards (BBRS):

- 1) The base code is the metaphorical floor for new construction**
- 2) The stretch code is the ceiling.**

We have the solutions!



How do we improve
the **base code**?

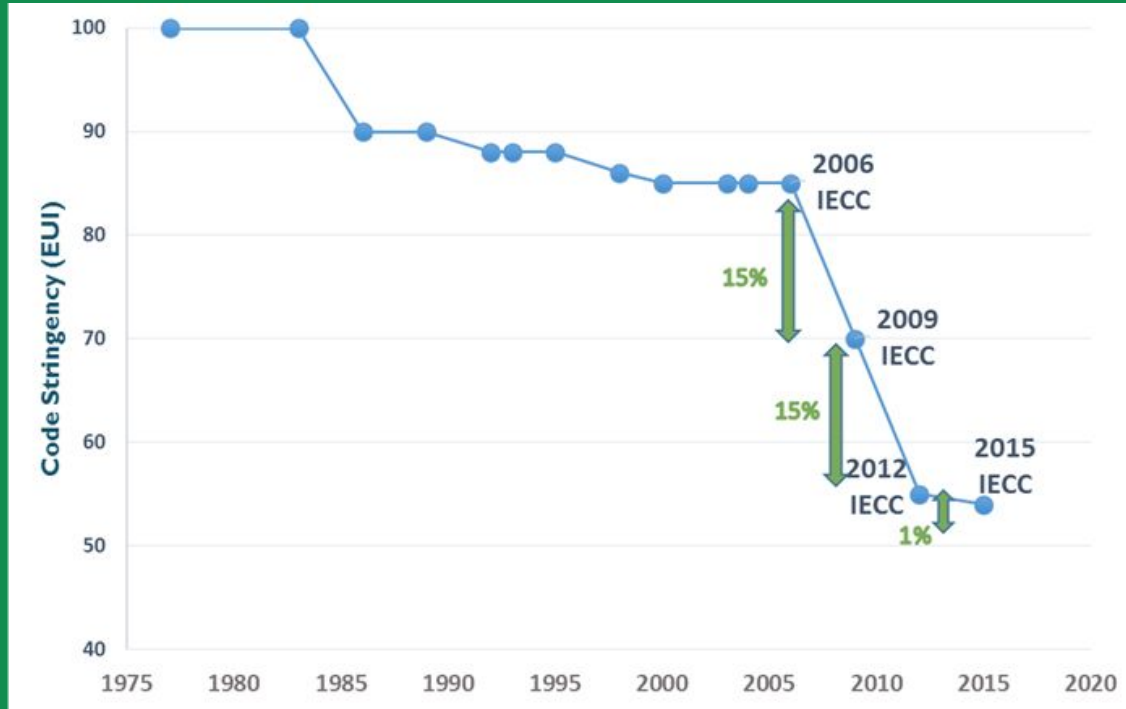
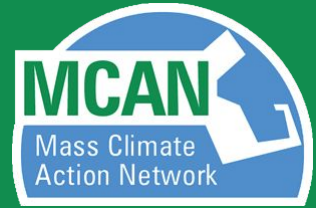
The IECC

(International Energy
Conservation Code)

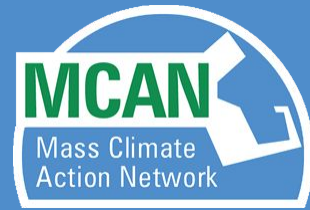
How do we improve
the **stretch code**?

**Net zero
stretch code**

Reforming the 2021 IECC



Who is going to vote to improve the IECC?



- Members of city councils or boards of selectmen
- Members of planning departments
- City and town managers
- Sustainability directors
- Energy committees & commissions



During the last code cycle **only about 400 officials nationwide** voted on the IECC.

This year, advocates across MA worked to register **nearly 100 pro-efficiency departments (up to 532 officials)**, meaning the **2021 IECC** will be a **significant leap forward**.



VOTING TIMELINE



JAN 1ST

2019 registration opens



MARCH 29TH

Deadline for Primary Representative registration



SEPT 23RD

Deadline for Governmental Members to confirm their roster



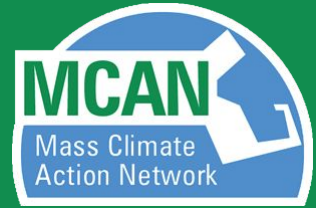
NOV 13TH

Voting opens to determine 2021 IECC



NOV 27th

Final day to vote

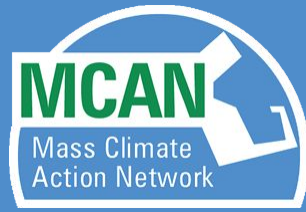




We have until
September 23rd to
maximize our votes,
making sure we have a
better, more efficient,
and more equitable
building code for
everyone.



Net Zero stretch code

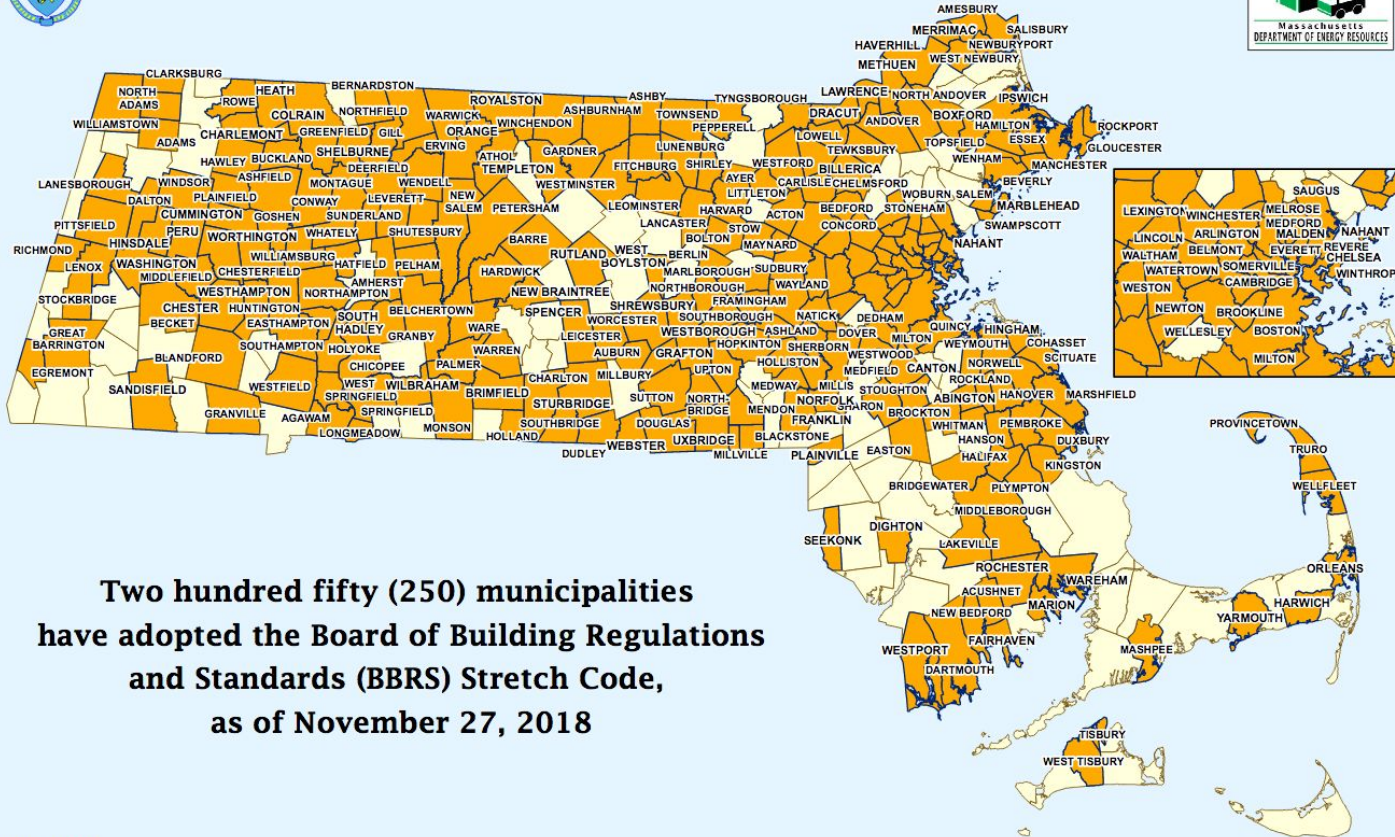


To help the communities in MA do the Net Zero planning they want to do, we need a *Net Zero stretch code* now.





Stretch Code Adoption, by Community



**Two hundred fifty (250) municipalities
 have adopted the Board of Building Regulations
 and Standards (BBRS) Stretch Code,
 as of November 27, 2018**

How does changing the stretch code work?



Legislature

Governor Baker



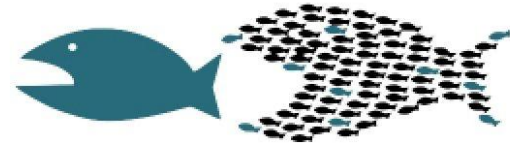
The BBRS (Board of Buildings Regulations & Standards)



BBRS's Energy Advisory Committee



Don't panic,



ORGANIZE!

Who do we need to engage to get a Net Zero stretch code?



- **Legislators**
- **Municipal Leaders**
- **Non-Profits**
- **Architects & industry experts**
- **Advocates**

Legislative Action!



H.2865/S.1935

AN ACT TO ESTABLISH A NET ZERO STRETCH ENERGY CODE

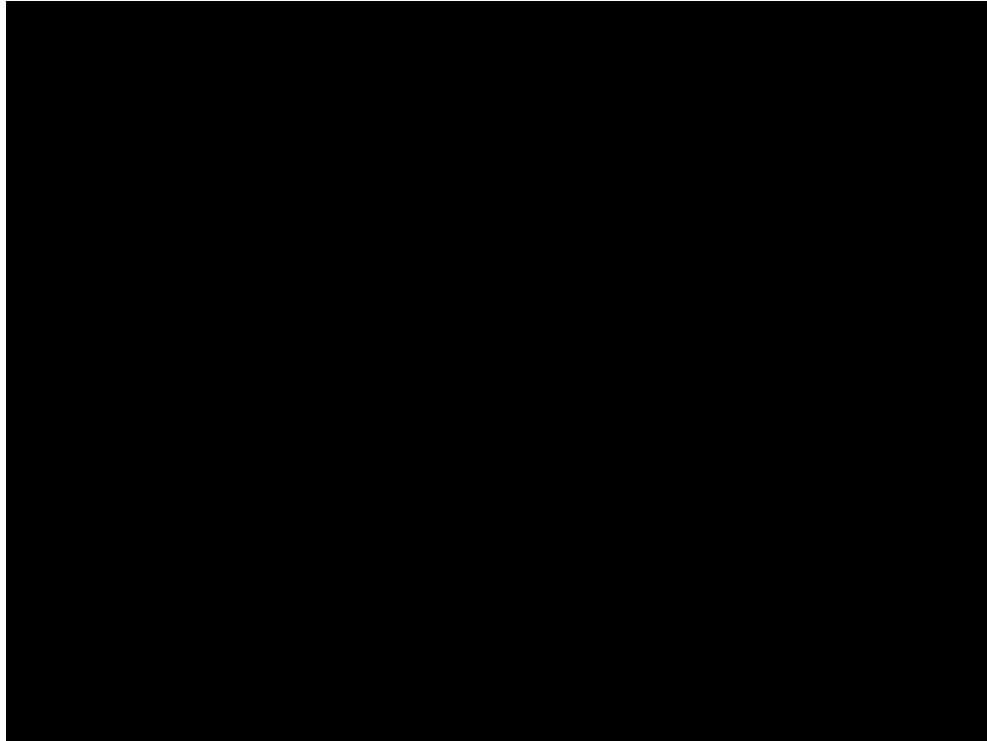
SPONSORS: REP GOUVEIA & SEN COMERFORD

- Net zero carbon
- Phase-in period for green communities
- Input from EJ communities

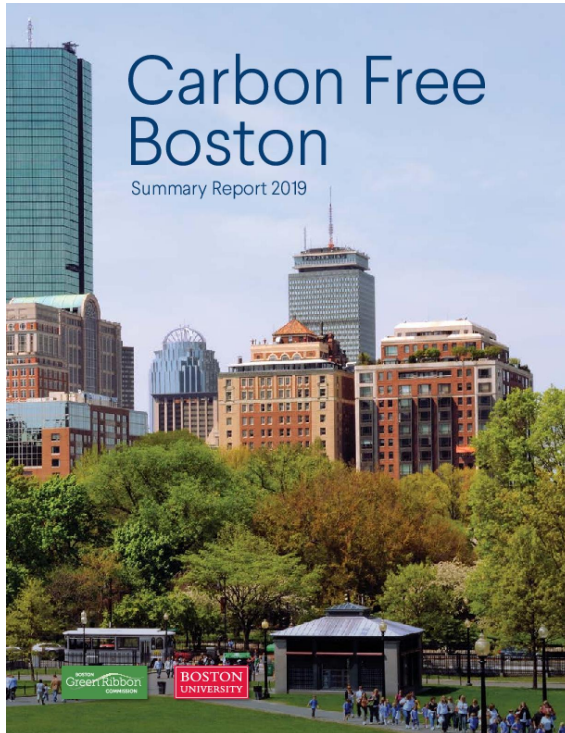
Organizing at the statehouse



Dr. Gaurab Basu speaks on health impacts of Net Zero buildings at legislative briefing



Engaging municipal leaders



OPINION | MATT O'MALLEY

To save our climate, start with our buildings

By Matt O'Malley Updated August 12, 2019, 5:00 a.m.





NET ZERO STRETCH CODE

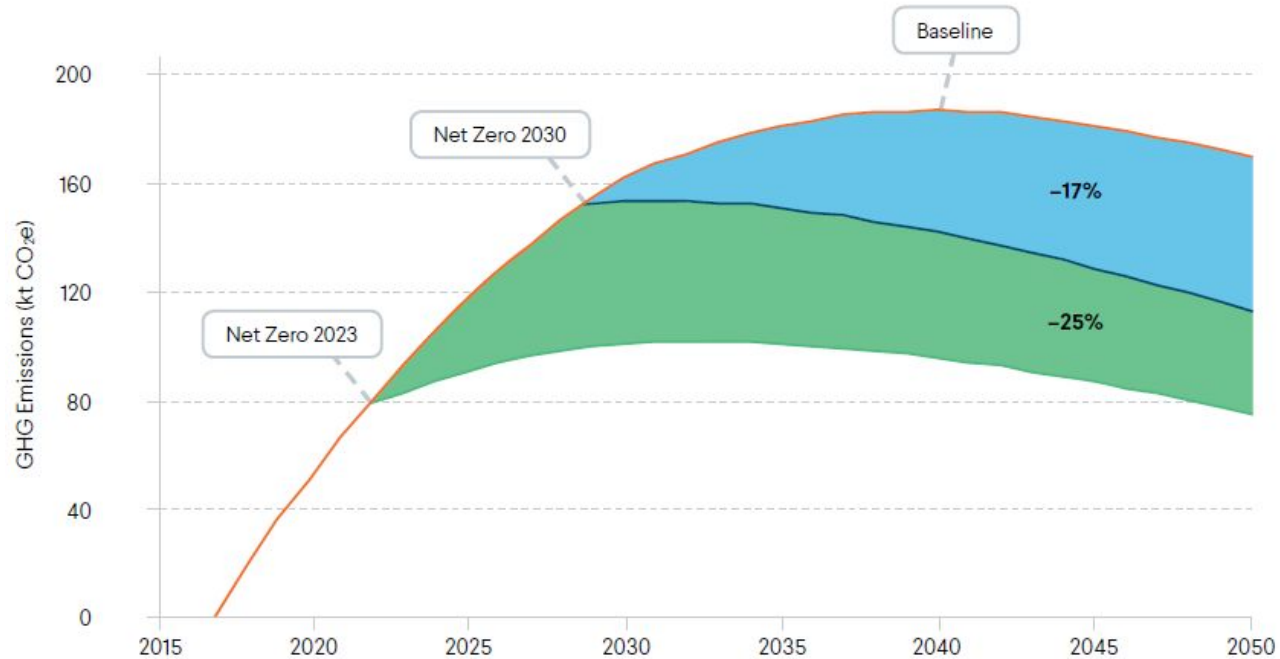
Cities of Boston, Cambridge, and Somerville

“The Cities propose that the [Massachusetts Board of Building Regulation and Standards] update the stretch code so that it is phased to meet Net Zero or comparable standards.”

~ Mayor Walsh, City Manager DePasquale,
Mayor Curtatone
May 28, 2019

CARBON FREE BOSTON: NET ZERO CARBON NEW CONSTRUCTION

Emissions from Cumulative New Construction



Convening with other non-profits



Architects & Industry Leadership



Now is a pivotal moment. Net Zero Stretch Code legislation has been proposed in the Massachusetts House and Senate, and draft code language is currently being developed by the Board of Building Regulations and Standards (BBRS). The Net Zero Stretch Code is currently the greatest single opportunity to support reduced building emissions in MA. There is momentum behind the Net Zero Stretch Code, but it is far from guaranteed that it will be implemented. A demonstration of Massachusetts building industry support has a crucial role to play to ensure success.

At the previous USGBC MA Roundtable, we set a course to build a tidal wave of support. We have completed phase one: writing the support letter. You can [read the letter here](#), and even be one of the first to [sign on in support](#).

Now, please join us on Sept 6th for our upcoming USGBC MA Buildings and Energy Roundtable: Net Zero Stretch Code Support Mobilization and help us shift into phase two: mobilizing to gather signatories from building industry professionals, companies, and organizations across the state. We need boots on the ground to make this happen. You could be your company's champion, getting buy-in from leadership and speaking with your colleagues. You could reach out to your networks of like-minded professionals that will do the same. Please join us, it is time for the earth the shake!

Interested in getting
involved? Email
jknowles@brplusa.com



Zero Energy Buildings in Massachusetts: Saving Money from the Start

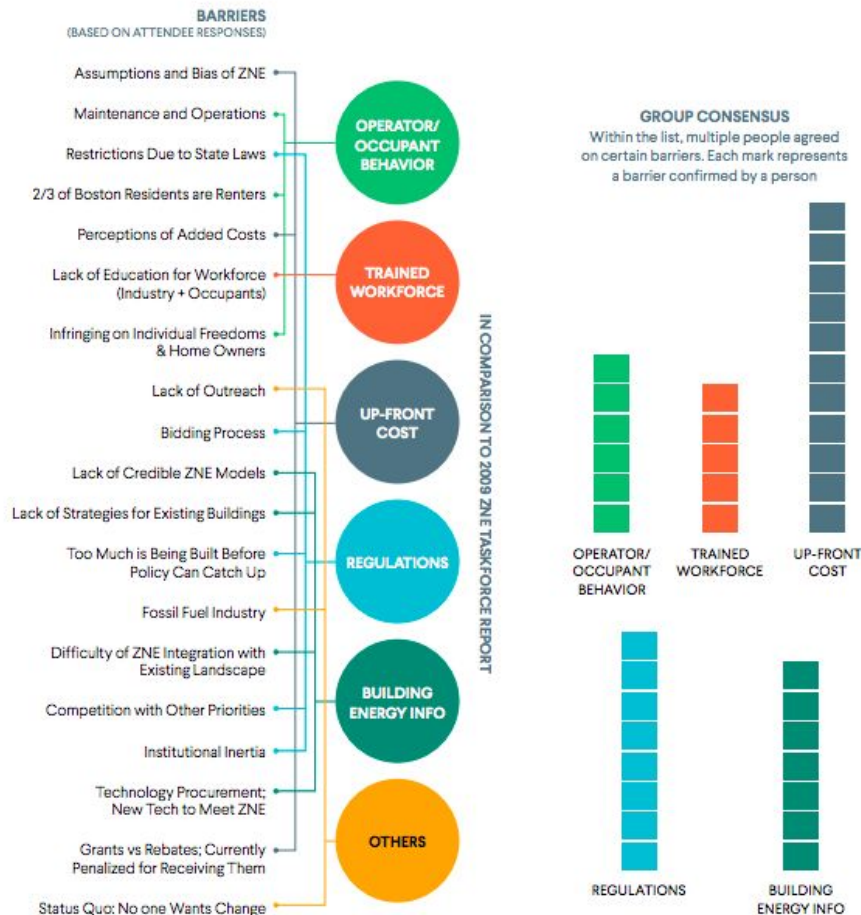
2019 Report



USGBC
MASSACHUSETTS

FIGURE 41

Barriers to ZE: "What obstacles are you facing pertaining to ZE?"



<https://usgbcma.org/wp-content/uploads/2019/09/ZeroEnergyBldgMA2019.pdf>

This report dispels the myth that zero energy buildings are too expensive.

USGBC's Key Findings

1. ZE buildings are being built in Massachusetts today with virtually no up-front costs
2. Return on investment for ZE in Existing and New Office Buildings can begin in as little as one year for ZE ready buildings
3. Building energy demand can be reduced 44 – 54 percent across all building types with technology that's readily available today.

Policy Recommendations?

COMMERCIAL ACTION: Create a zero energy stretch code as a compliance path to the state energy code and establish date-specific targets for mandatory zero energy code in MA, while also advocating for similar efforts nationally.

LEVEL: State

LEGISLATIVE CHANGE NEEDED? The Board of Building Regulations and Standards has sole authority to promulgate the Massachusetts State Building Code (MSBC). However, legislative codification of zero code target dates would help ensure success.



**We have the momentum.
Now it's time to take action...**

Next Steps?



- Join architectural sign-on letter supporting Net Zero stretch code
- Letters to BBRS, Governor Baker & Speaker DeLeo from local municipal officials
- Show your support by offering testimony at upcoming **11/5** BBRS public comment hearing





Join us to make Net Zero buildings
a reality in Massachusetts
and beyond.

rebecca@massclimateaction.net