



NYC AND THE NYSTRETCH CODE

October 4, 2018

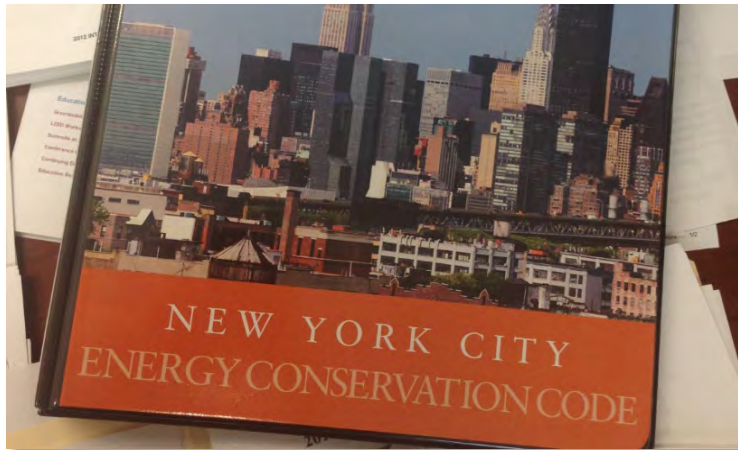
AGENDA

- 1. Introduction to the Department**
- 2. New York City Climate Goal- 80 x 50**
- 3. Priming the market**
- 4. NYCECC and Local Law 32 of 2018**
- 5. What does the NYStretch Code mean for NYC?**

WHO WE ARE

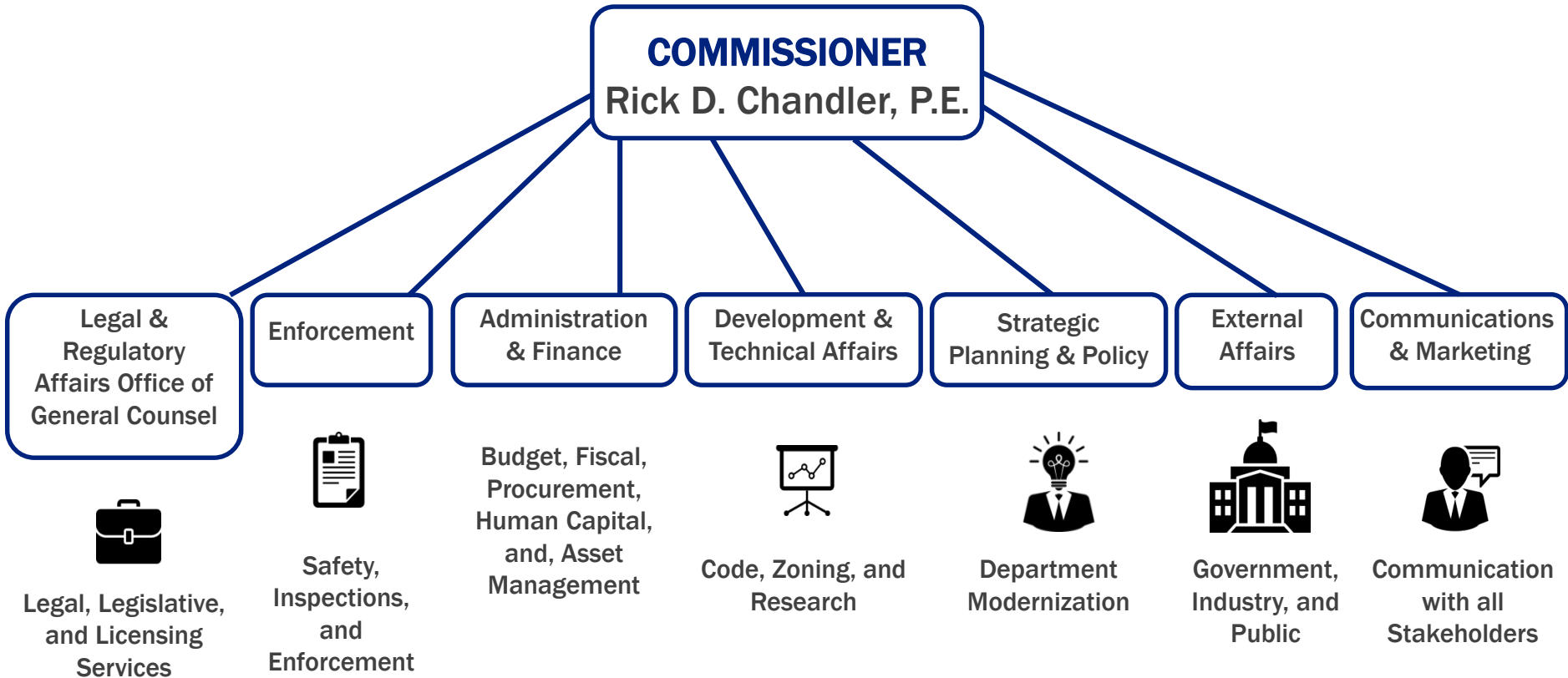
- **Team of professionals dedicated to the safety of all who build, work and live in New York City.**
- **Committed to providing efficient service**
 - Streamlined
 - Understandable
 - Transparent
 - Consistent

WHAT WE DO



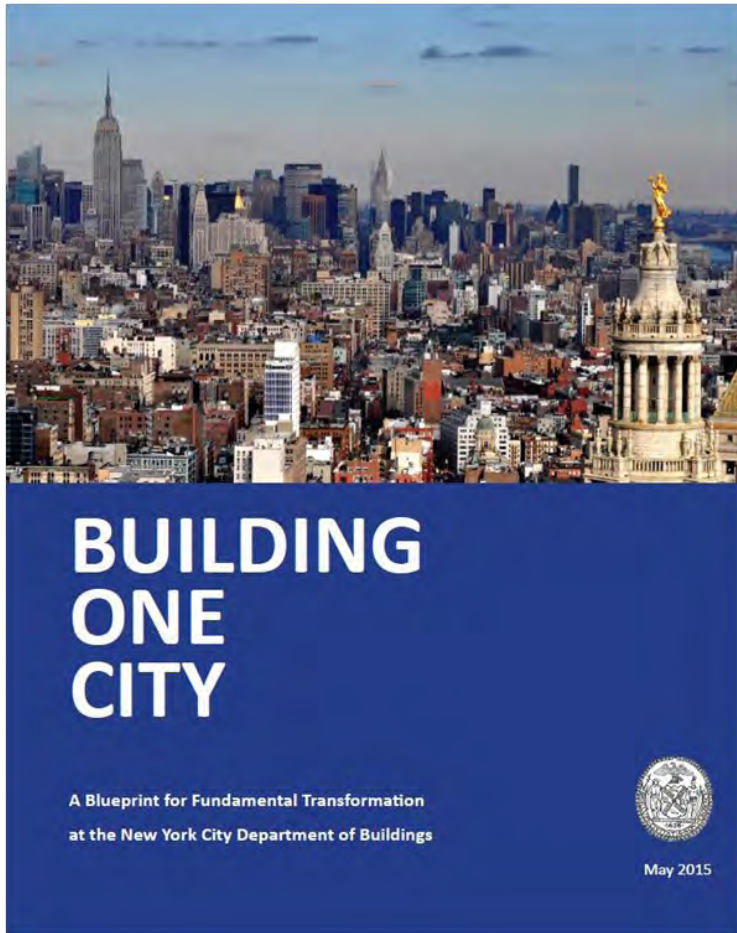
- Ensure the safe and lawful use of over **one million buildings** and construction sites throughout the City
- Facilitate **safe** and **responsible** development by enforcing the NYC Building Code and Zoning Resolution
- Conduct emergency response and hold construction professionals accountable

THE DEPARTMENT



Over 1,500 Employees

BUILDING ONE CITY PLAN



GOALS

- **100%** of applications, reviews, payments, and scheduling can be **completed online**
- Status of all projects is **accessible** and **transparent** – **with alerts when we take action**
- Highest **risk** and highest **priority** work are targeted **first** with resources

DOB BY THE NUMBERS

ACTIVITY HIGHLIGHTS: FY 2018



Borough
Filings

68,564



HUB
Filings

18,852



DOB NOW
Filing
Reviews

13,232



Active
Permits

172,666



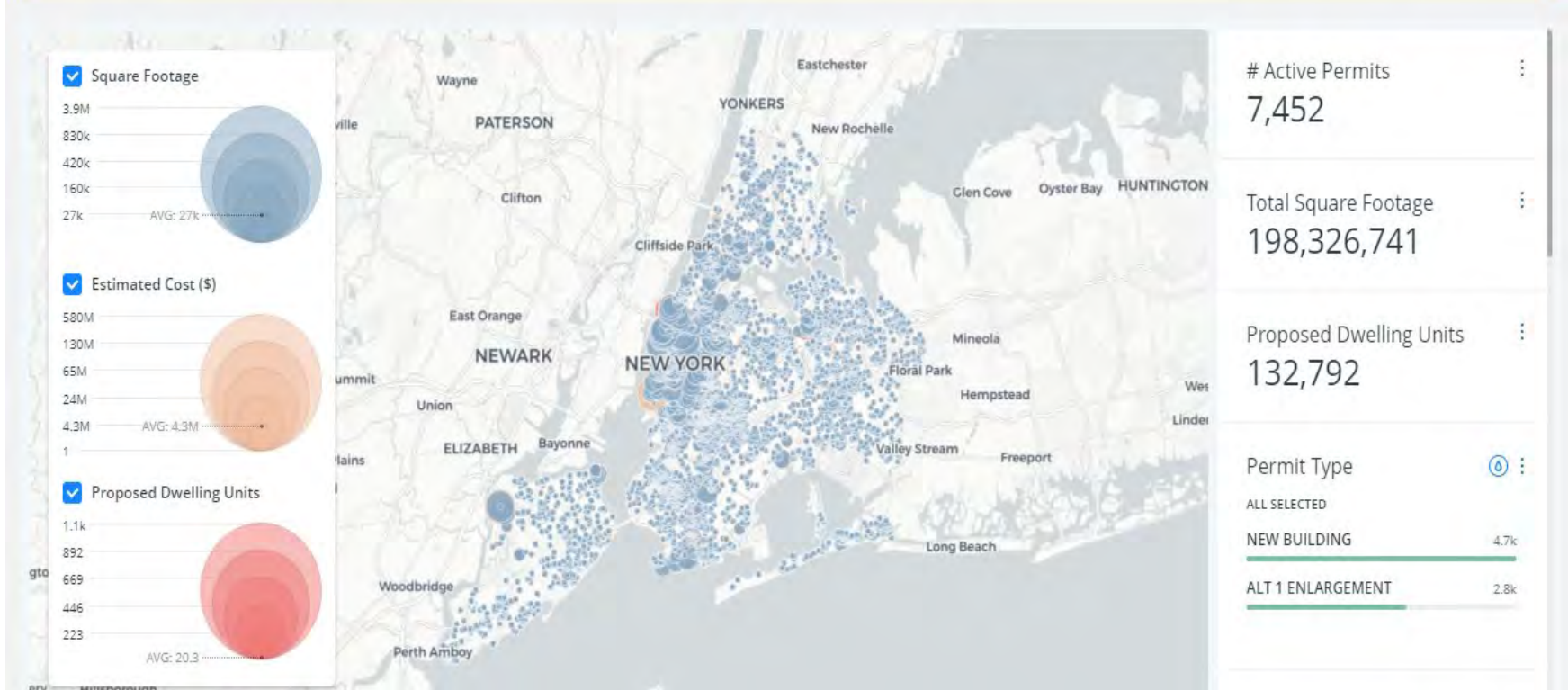
New Floor
Area

42,810,347

DOB BY THE NUMBERS

NYC Active Major Construction [About](#)

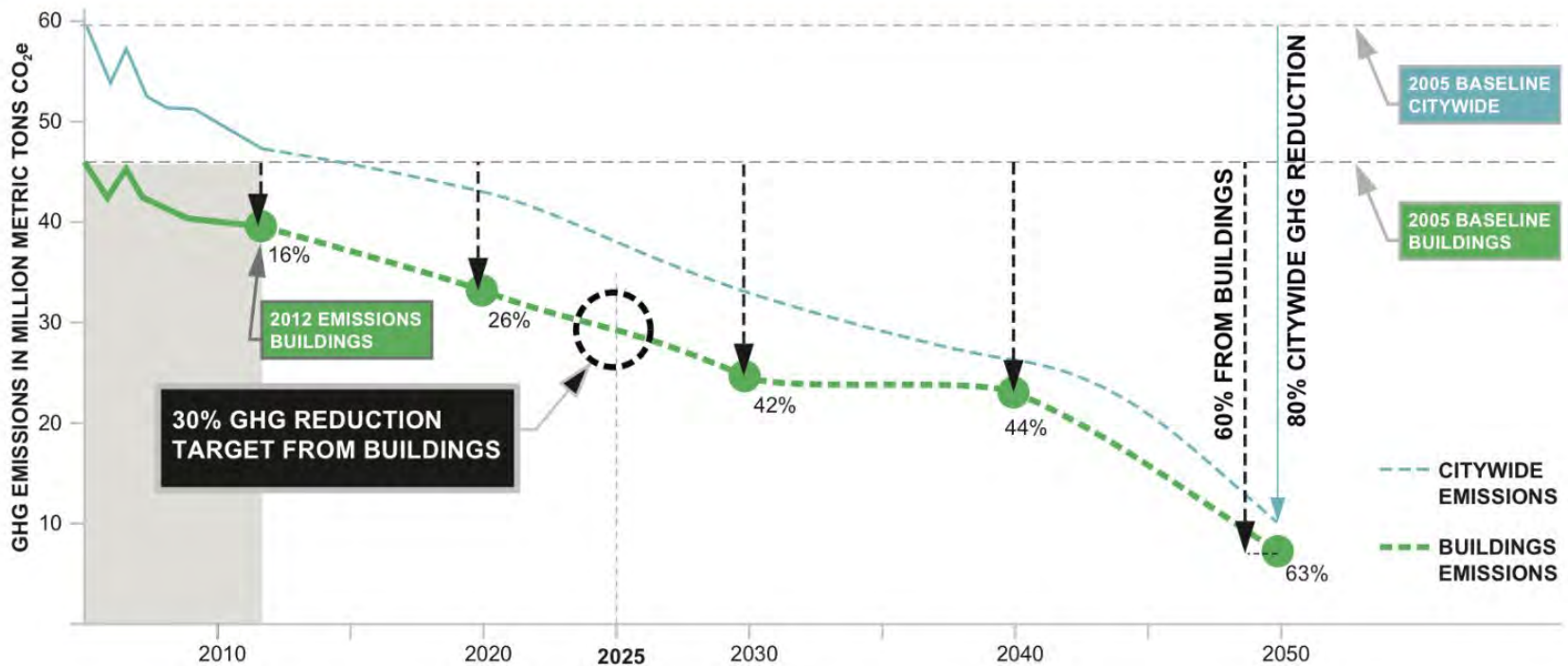
updated on 8/28/2018



LOCAL LAW 66 OF 2014- 80 x 50

NYC's Carbon Goal

Pathways for Reductions in Greenhouse Gas Emissions from Buildings



Source: New York City Mayor's Office of Long-Term Planning and Sustainability

LOCAL LAW 31 OF 2017

- Amended the city charter to include low energy intensity building requirements for “certain capital projects”



RETROFIT ACCELERATOR



Free, personalized advisory services that streamline the process of making energy efficiency improvements.

NYC
Mayor's Office
of Sustainability
Mayor Bill De Blasio

#ONENYC



RETROFIT ACCELERATOR

- Key component of NYC's commitment to 80x50
- Launched in September 2015
- Cut GHG emissions by est. 1M metric tons by 2025
- Save New Yorkers \$360M per year by 2025 in utility costs

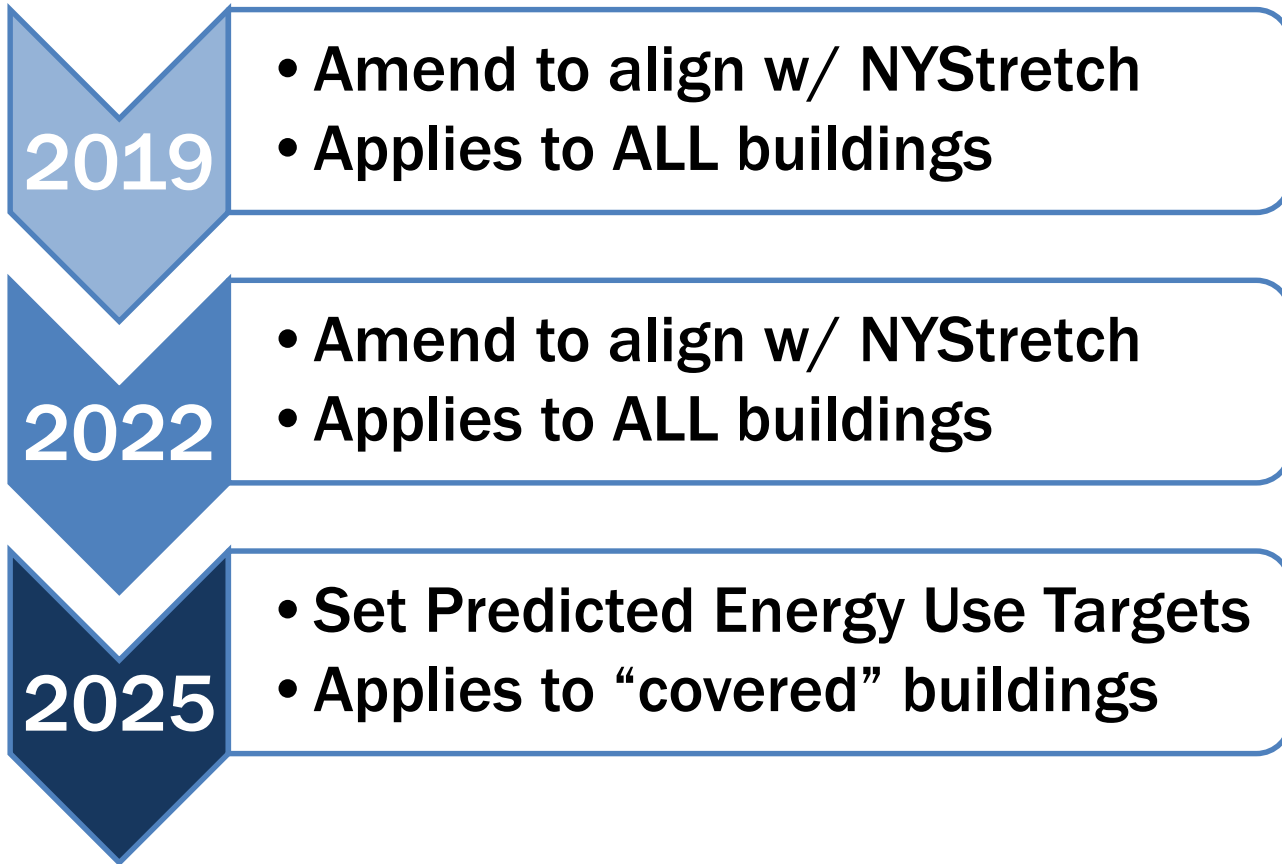


LOCAL LAW 32 OF 2018

- Requires periodic recommendations on adoption of more stringent energy efficiency requirements for certain buildings

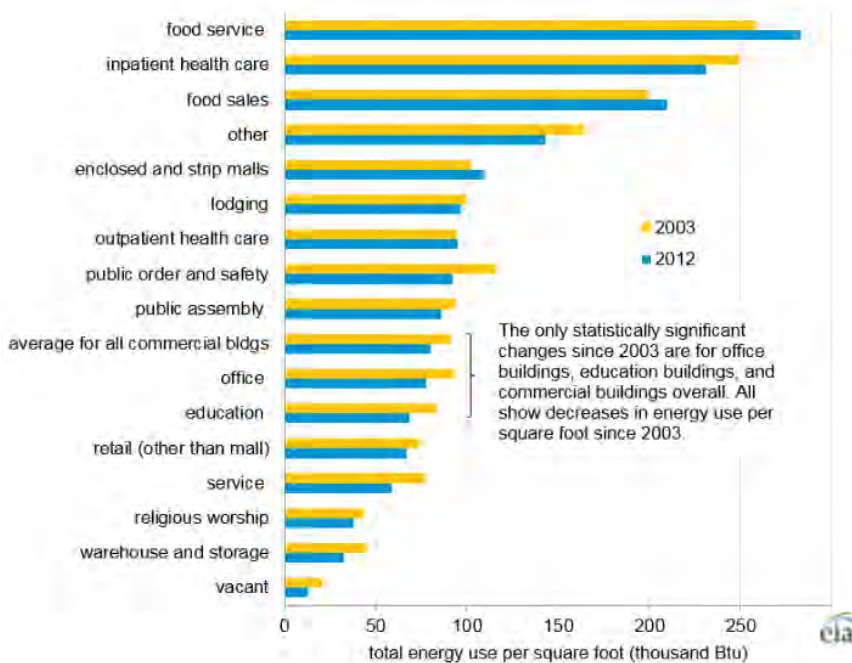


LOCAL LAW 32 OF 2018



LOCAL LAW 32 OF 2018

Predicted Energy Use Targets Report



Source: U.S. Energy Information Administration, Commercial Buildings Energy Consumption Survey

- New Metric and targets by building type
- Results of modeling
- Impact on costs
- Implementation recommendations

NYSTRETCH CHANGES FOR NYC

BIG PICTURE CHANGES



- Decreased u-factors for opaque assemblies in Commercial requirements (9-25%)
- Decreased u-factors for fenestration (4-5%)
- Decreased LPDs for most building/space types
- NYStretch adopted several measures already in the 2016 NYCECC

NYSTRETCH CHANGES FOR NYC

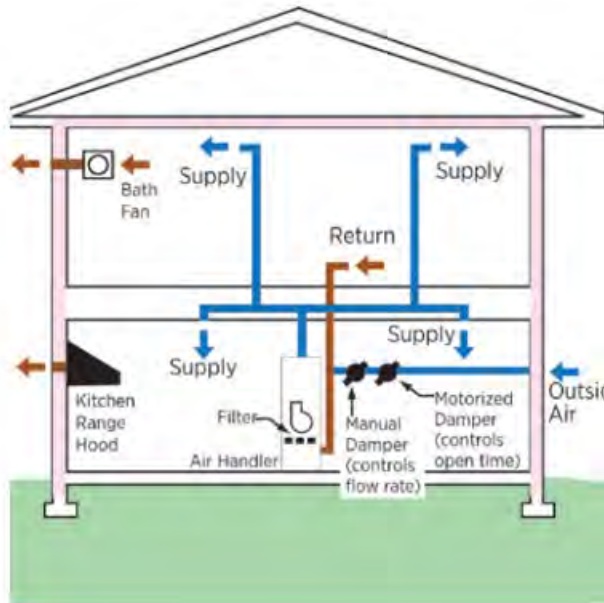
BIG PICTURE CHANGES



- Envelope “backstop” for commercial construction 50,000 sq.ft. and over
- Thermal breaks or continuous insulation at balcony slabs and parapets (Mandatory)
- Service Hot Water- renewable or site-recovered energy requirements for systems with 1MM BTUH or more

NYSTRETCH CHANGES FOR NYC

BIG PICTURE CHANGES



Source: US DOE Building America Top Innovations Hall of Fame Profile- Low-Cost Ventilation in Production Housing, PNNL-SA-90581, January 2013

- Mech. ventilation will be *mandatory* for residential construction
- Supply of heated water- limits on distance or volume, heat recovery, or recirculation systems required
- Additional energy efficiency credits for residential

2019 NYCECC

- Energy Code Advisory Committees to begin work soon, proposed bill to be considered by City Council next year
- Anticipating an effective date not earlier than the fourth quarter of 2019
- Effective date is tied to the NY State Energy Conservation Construction Code



An aerial photograph of a dense urban skyline, likely New York City, with a semi-transparent blue overlay. The text "THANK-YOU!" is centered in the middle of the image.

THANK-YOU!

NYCTM
Buildings

build safe | live safe