



# NYC Greener, Greater Buildings Plan: Policy Snapshot

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- Proposed on Earth Day 2009
- Passed by City Council Dec. 9, 2009
- Signed by Mayor Bloomberg Jan. 5, 2010

## Six-Point Plan

- Audits and Retrocommissioning
- Energy & Water Rating and Disclosure
- Lighting Upgrades and Tenant Space Sub metering
- Creation of NYC Building Energy Code
- Workforce Development and Training Program (NYSERDA)
- Financing Initiatives

## Forecast: Impact and Benefits

- 80% of NYC's carbon footprint comes from building-related emissions
- 85% of existing buildings in NYC will still be around in 2030
- Affects 22,000 buildings
- Will reduce emissions by 4.75%, the largest reduction from any single program in PlaNYC initiative
- Will save consumers and building owners \$700M annually in energy costs
- Will create more than 10,000 jobs in the construction and building sectors

## Audits & Retrocommissioning

- First of its kind
- Applies to buildings 50,000 SF+
- Initial compliance begins 2013-2022 (staggered)
- Required every 10 years
- Gov't buildings may also be required to retrofit
- Exemptions:
  - LEED EB 2009 certification
  - ENERGY STAR label in prior years
  - Compliance with prescriptive measures for “simple buildings” with less intensive mechanical equipment (multifamily)

## Building Rating & Disclosure

- Applies to buildings 50,000 SF+
- Annual benchmarking through EPA ENERGY STAR Portfolio Manager
  - Energy + water (auto meter reading equipment)
  - Begins 5/1/2011
- Disclosure through public web site
  - Begins 9/1/2012
- NYC working with utilities to facilitate automatic uploading of utility bills into Portfolio Manager

## Lighting Upgrades and Sub Metering

- Lighting: Bring lighting up to current code in buildings 50,000 SF+ by Jan. 1, 2025
- Sub metering: Install sub meters in tenant space of 10,000 SF or greater in buildings 50,000 SF+ by Jan. 1, 2025
  - Issue monthly reports to tenants in sub metered spaces explaining energy consumption

## NYC Energy Code

- Establishes citywide energy code based on state energy code
  - Closes loophole in current code: Requires upgrades to systems or sub-systems upon partial renovation of those systems
- Could be in effect by end of 2010

## Policy Snapshot: US Federal, State, Local

- State/local: Building energy rating & disclosure laws passed in:
  - California
  - Washington State
  - Seattle
  - District of Columbia
  - Austin, TX
- Federal: DOE National Building Rating Program developing home energy label, then commercial
  - Waxman-Markey, Boxer/Kerry + Senate Energy Bill



# Thank you



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