

NYC'S A NEW LENS FOR HOUSING PLAN A GREEN HOUSING PLAN



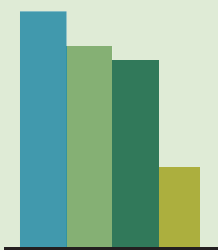
A New Lens for NYC's Housing Plan:

The next housing plan is an opportunity for communities and policymakers to widen the conversation beyond counting units, articulate new metrics, and develop a shared vision of housing policy for NYC.

Combating climate change is a global imperative, but the consequences of inaction are felt acutely right here at home. New York City confronts more extreme weather every year. Historically hotter days put those experiencing homelessness, low-income households, and seniors at greater risk of illness and death. Wetter months exacerbate chronic health conditions for residents living in damp and poorly ventilated homes. Rising sea level dramatically increases the risk of flooding over greater swaths of New York's coast, displacing families, driving down property values, and pushing up insurance premiums. **Extreme weather events like Hurricane Sandy, which claimed the lives of 43 New Yorkers and inundated nearly 90,000 buildings containing 300,000 households, are projected to strike with greater frequency.**

A housing plan that centers around green building principles could accelerate the city's efforts to combat climate change. **Urban density is an advantage for minimizing carbon emissions and is necessary to compensate for housing lost along New York's coast.** Policies encouraging flexible design and occupancy would allow for nimble adaptation to the changing environment and extend the life of our buildings. Measuring the success of a housing plan in terms of environmental justice, efficient use of resources, and sustainability would produce a safer, healthier, and more resilient New York.

CLIMATE CHANGE IS HERE. NYC'S HOUSING PLAN MUST HELP TURN THE TIDE.



Energy use in **residential buildings** (31%) is the biggest contributor to NYC's greenhouse gas emissions—more than **transportation** (30%), **commercial buildings** (26%), and **other sources** (12%)

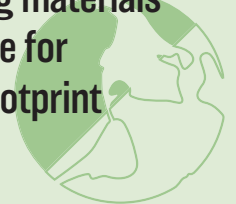
82% of NYC's residential units were built before the state or city adopted an energy code

AVERAGE NYC TEMPERATURES ARE PROJECTED TO INCREASE BY 5.7°F AND THE NUMBER OF DAYS ABOVE 90°F TO DOUBLE BY THE 2050s



If we do nothing to curb climate change, NYC could reach **3,300** heat-related deaths each year by 2080

Carbon emissions related to building materials and construction will be responsible for **HALF** of the world's entire carbon footprint from new construction by 2050



The latest flood map increased the number of housing units in the floodplain by 37% to more than **318,000** units.

20% of NYCHA's portfolio is within the floodplain.

REVISED FLOOD MAPS AND NEW FEMA RISK RATINGS COULD NEARLY DOUBLE INSURANCE PREMIUMS. **2x**

80% of the rental units in the 100- and 500-year floodplains are public, subsidized, or rent stabilized

