

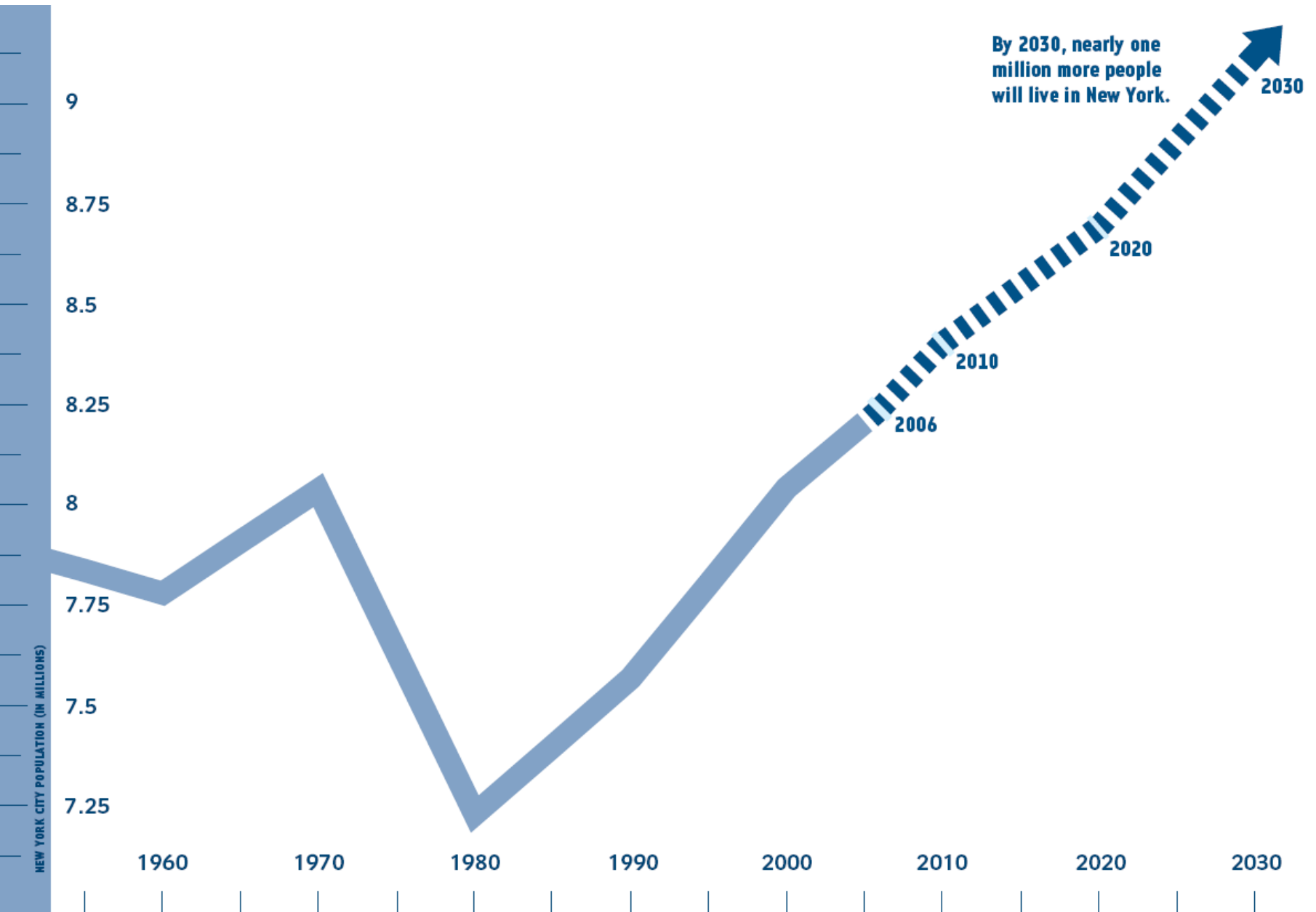


**A GREENER, GREATER
NEW YORK**



The City of New York
Mayor Michael R. Bloomberg

By 2030, nearly one million more people will live in NYC

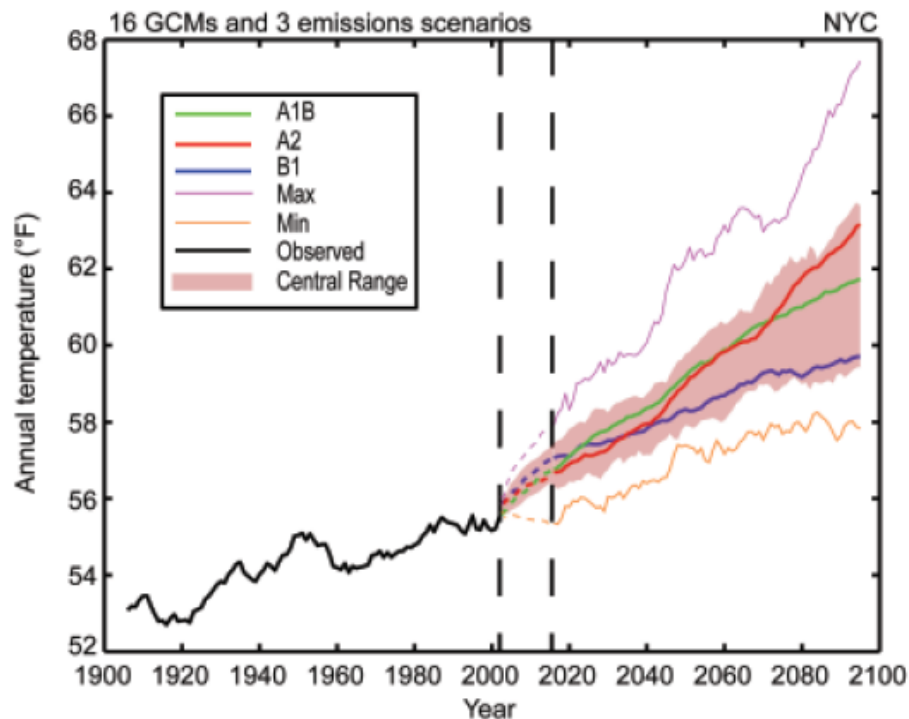


New York City's infrastructure is old and getting older

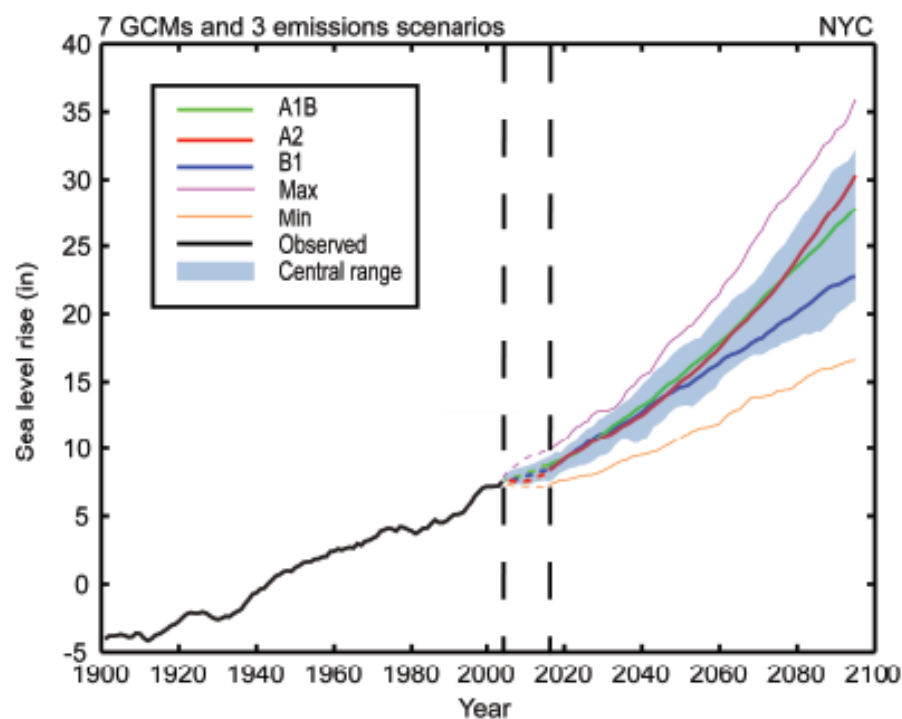


New York City also faces challenges from climate change

NYC Projected Mean Annual Temperature



NYC Projected Sea Levels



Source: NYC Panel on Climate Change

In 2007, Mayor Bloomberg released a comprehensive sustainability plan to create a greener, greater city



PlaNYC focuses on nine key issues:



Housing



Open Space



Brownfields



Water Quality



Water Network



Transportation



Energy



Air Quality



Climate Change

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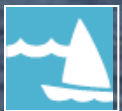


Air Quality



Climate Change

Water Quality

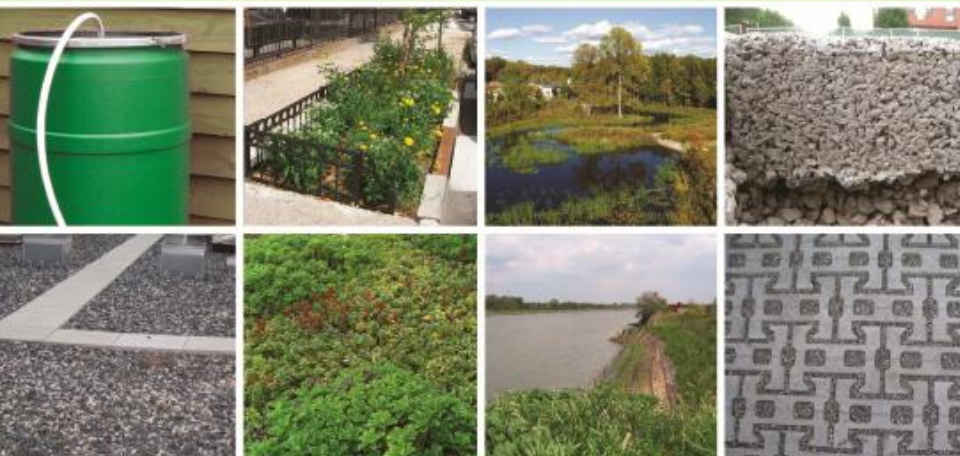
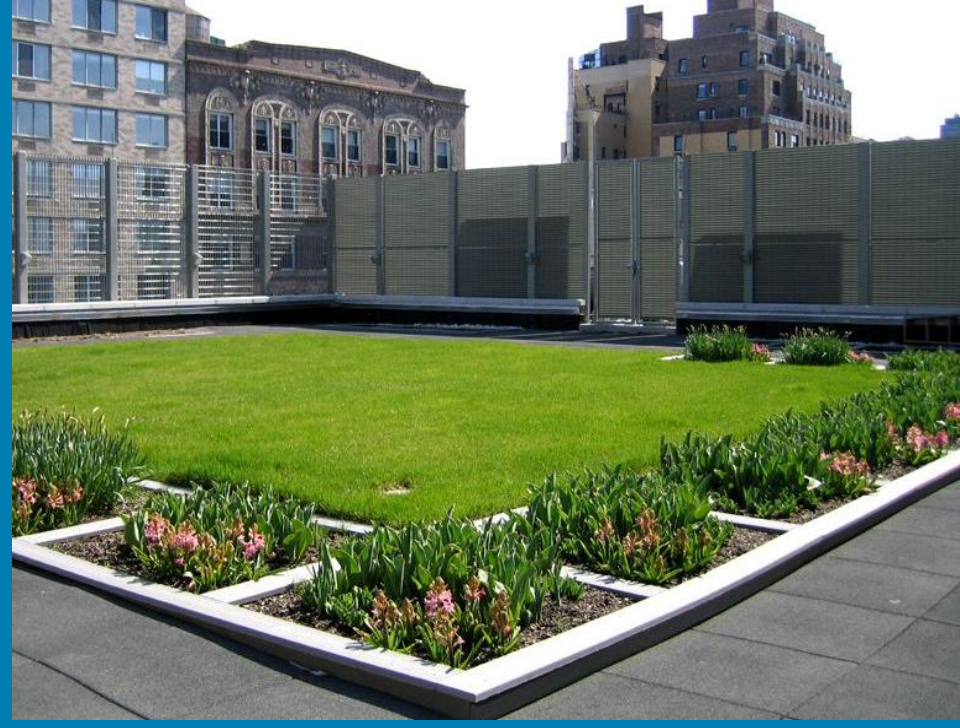




NYC GREEN INFRASTRUCTURE PLAN

A SUSTAINABLE STRATEGY FOR CLEAN WATERWAYS

Michael R. Bloomberg, Mayor
Cas Holloway, Commissioner



**Green Infrastructure Plan released
to shift investments from grey to green infrastructure**

Water Network





**Expanding water
conservation programs**

Energy



THE NEW YORK CITY

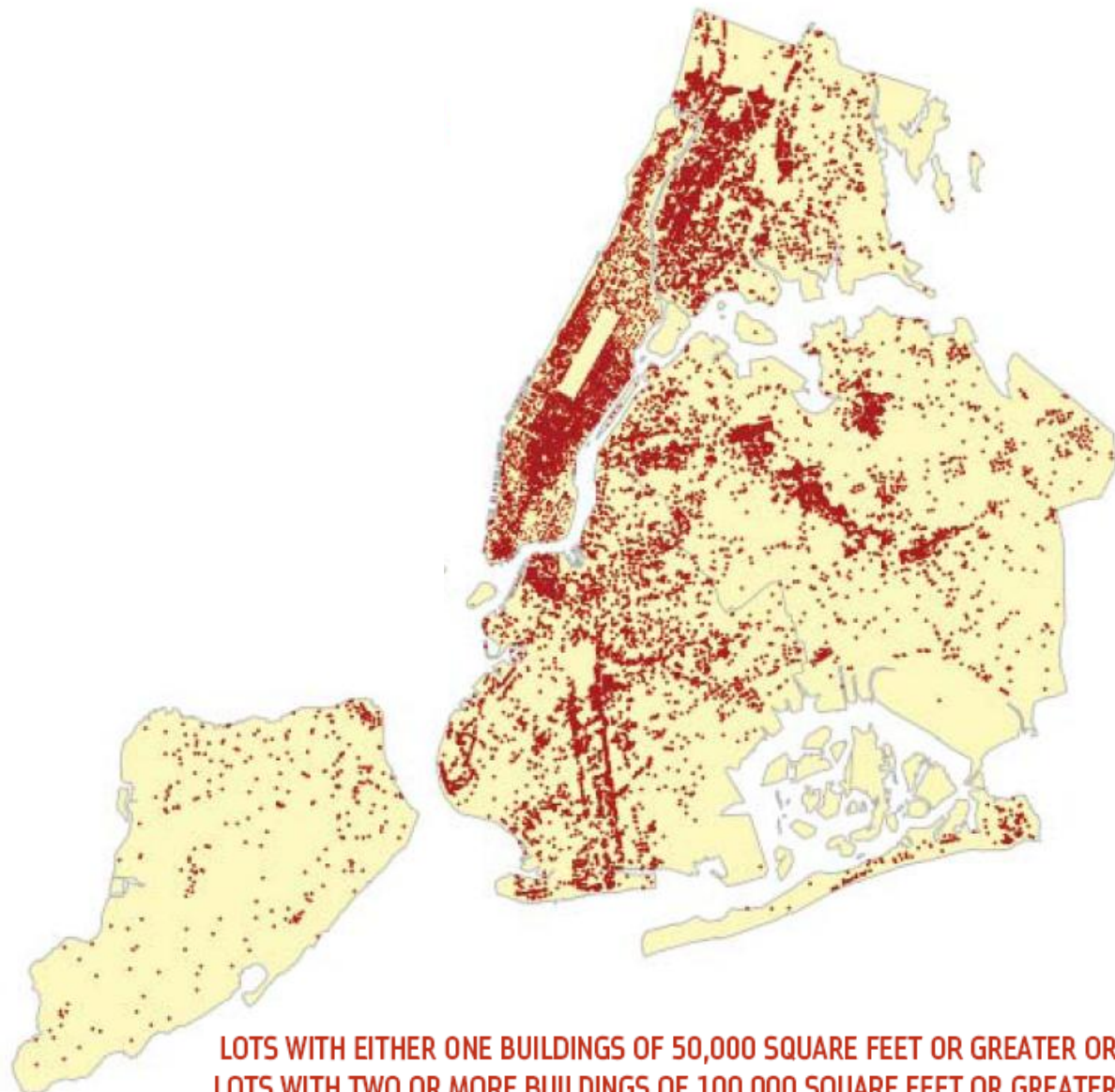
GREENER, GREATER BUILDINGS PLAN

1 New York City
Energy Code

2 Lighting Upgrades and
Sub-Metering

3 Benchmarking

4 Audits and
Retro-Commissioning



LOTS WITH EITHER ONE BUILDINGS OF 50,000 SQUARE FEET OR GREATER OR
LOTS WITH TWO OR MORE BUILDINGS OF 100,000 SQUARE FEET OR GREATER



Landmark legislation enacted requiring ongoing
energy efficiency improvements in large buildings

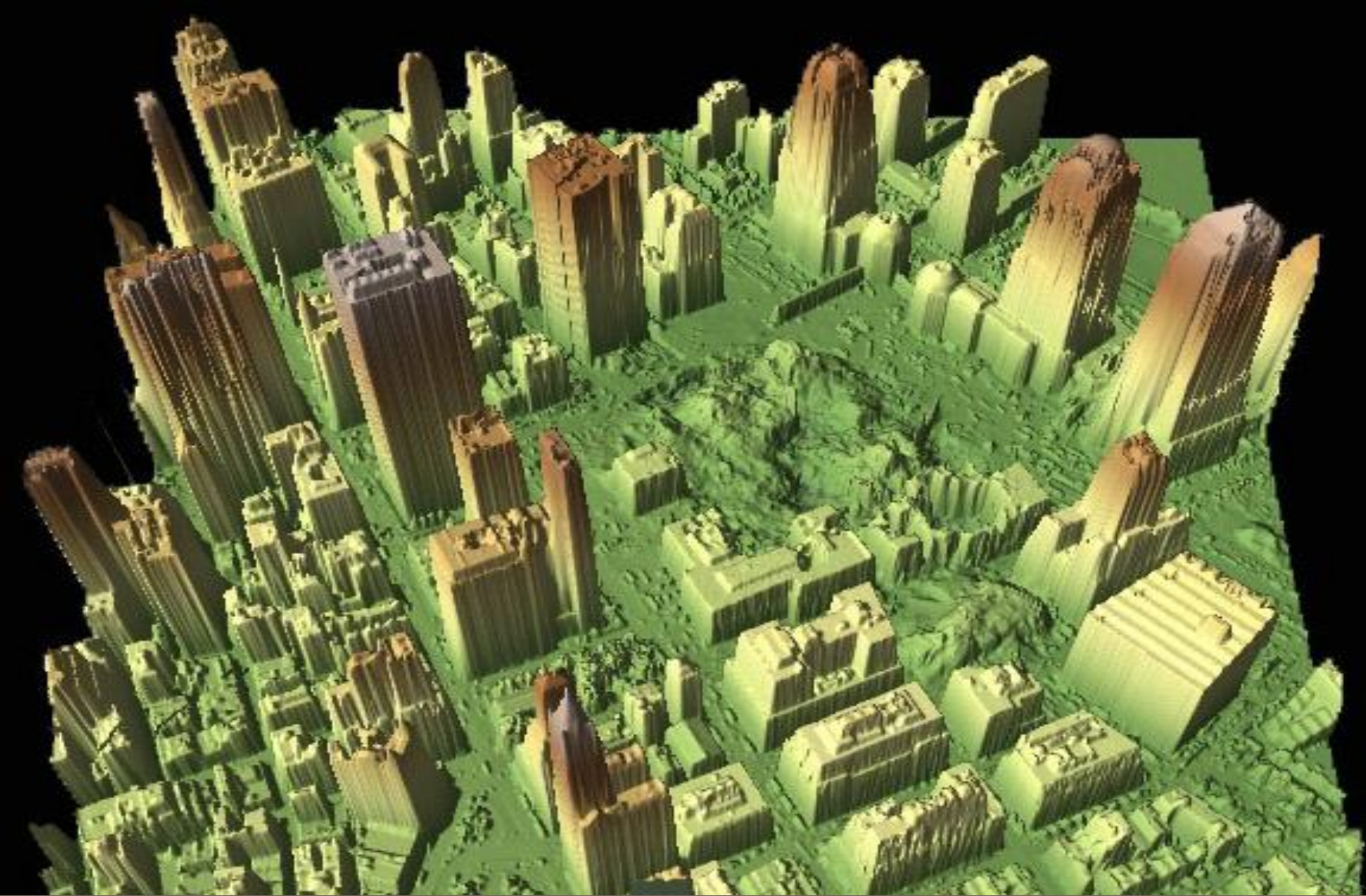


Over 1 million sq ft of roofs “coated” through
NYC Cool Roofs program





**“Solar Empowerment Zones” launched
to increase the use of solar energy**

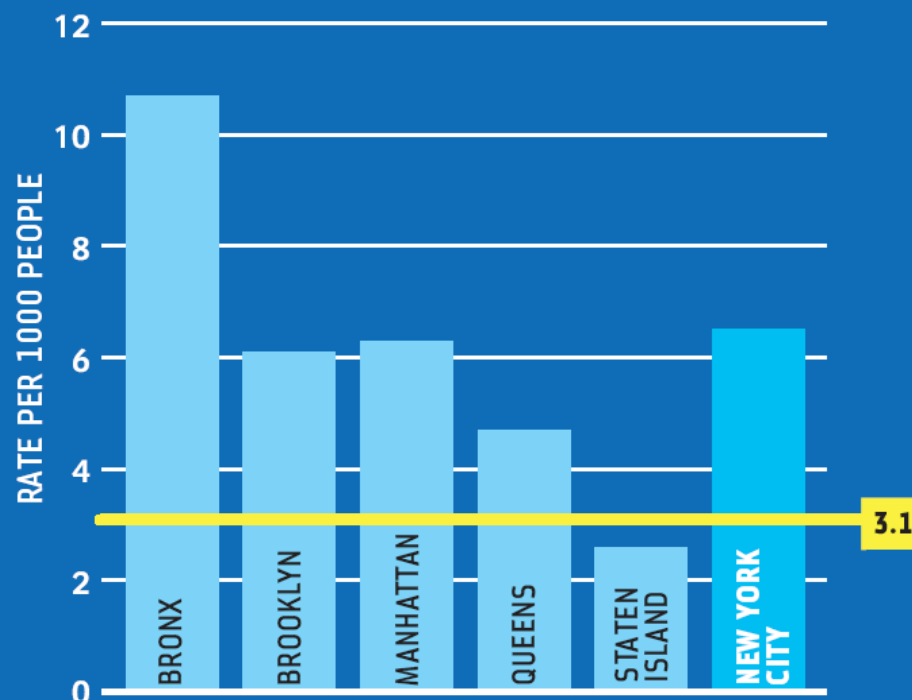


Creating an online Solar Map to identify
buildings' solar potential

Air Quality

Asthma Hospitalizations Children age 0 to 14 years, 2004

■ NATIONAL AVERAGE



Source: Centers for Disease Control; NYS Department of Health;
analyzed by NYC Department of Health and Mental Hygiene

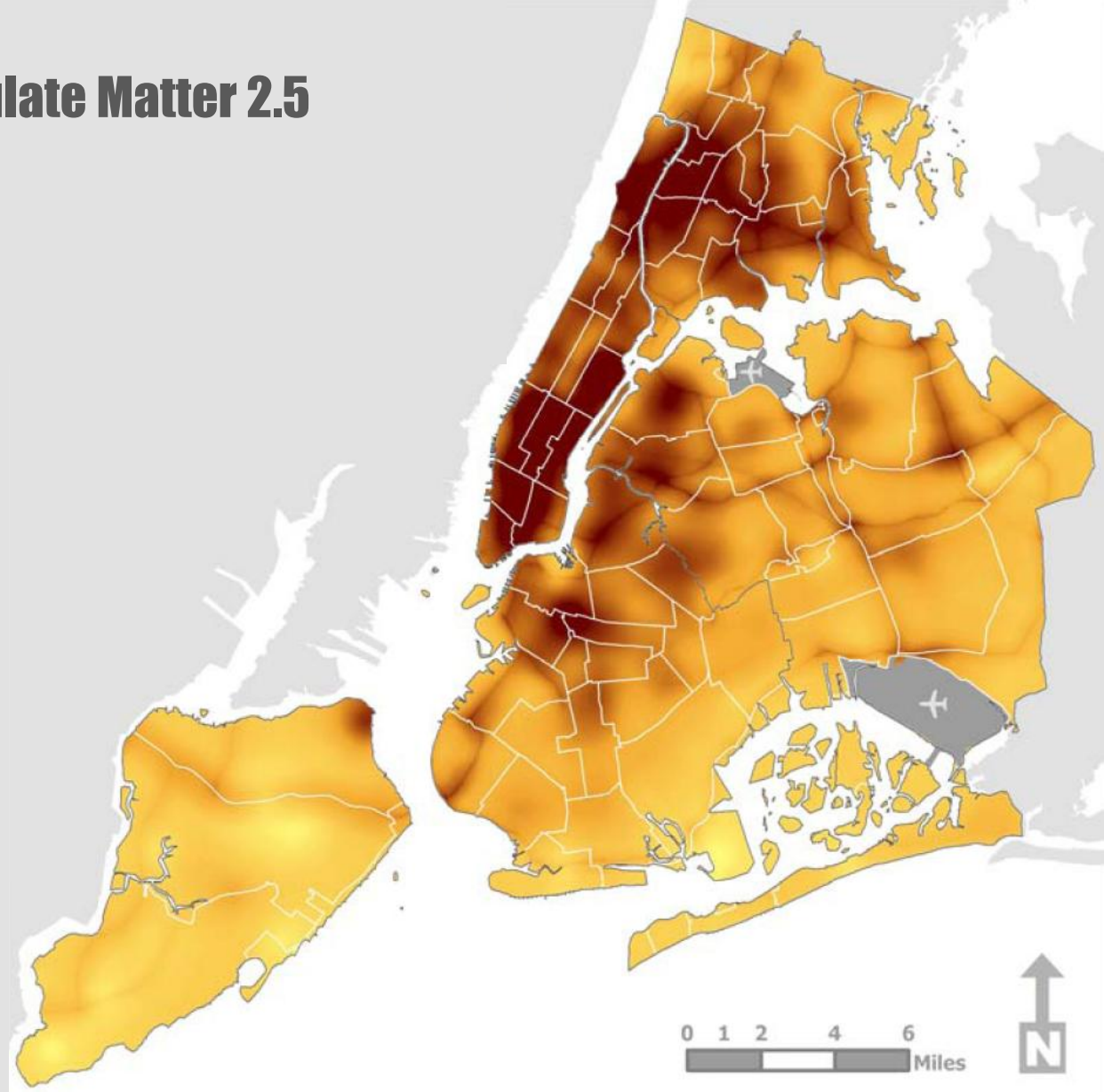


Concentrations of Particulate Matter 2.5 by Community Board

PM_{2.5}

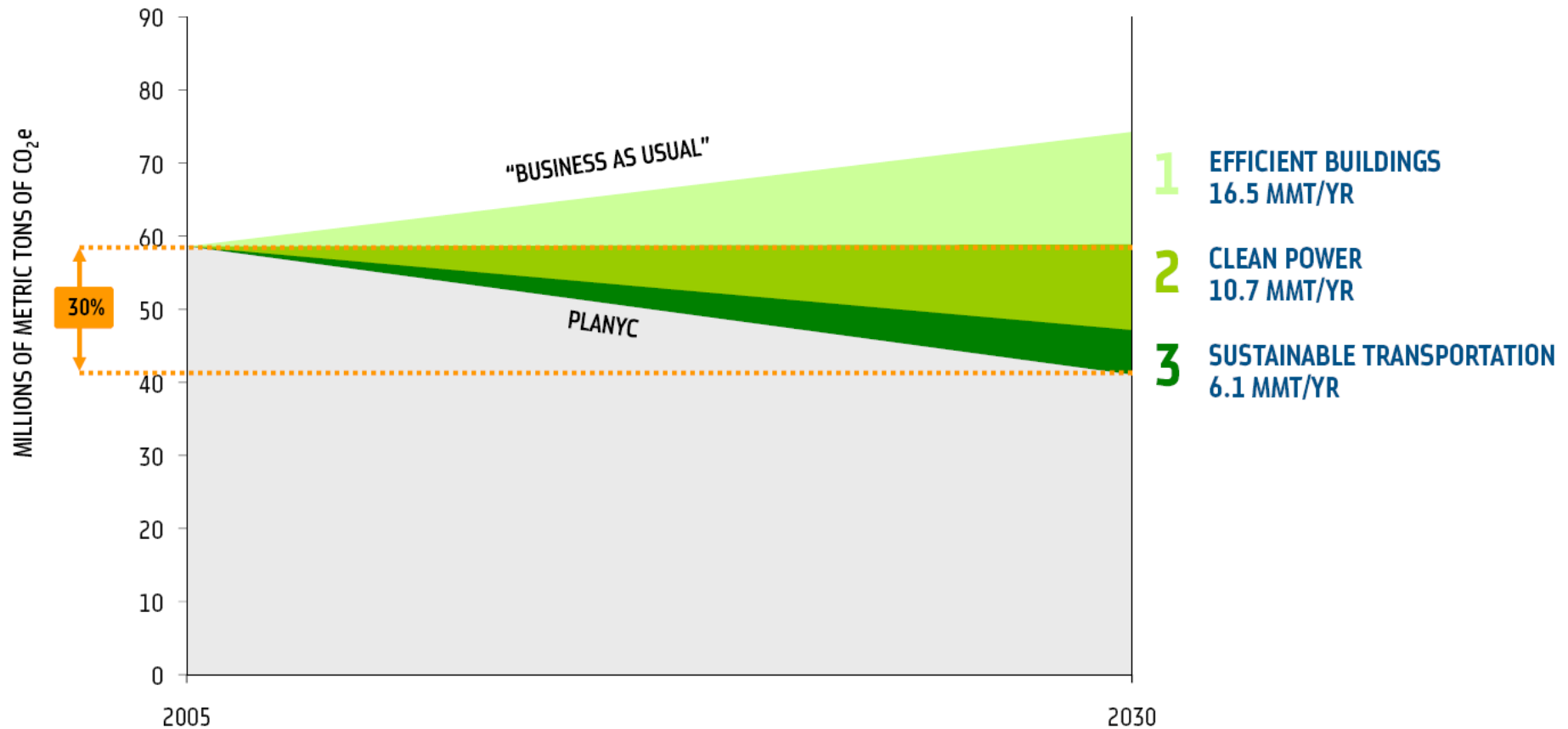


 Community Districts



**Worked with Legislature and Council
to reduce pollution from #2 and #4 heating oils**

Climate Change



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



	BASELINE 1971-2000	2020s	2050s	2080s
Air Temperature²	55°F	+ 1.5 to 3°F	+ 3 to 5°F	+ 4 to 7.5°F
Precipitation²	46.5 in	+ 0 to 5%	+ 0 to 10%	+ 5 to 10%
Sea Level Rise^{2,3}	NA	+ 2 to 5 in	+ 7 to 12 in	+ 12 to 23 in
Rapid Ice-Melt Sea Level Rise⁴	NA	~ 5 to 10 in	~ 19 to 29 in	~ 41 to 55 in

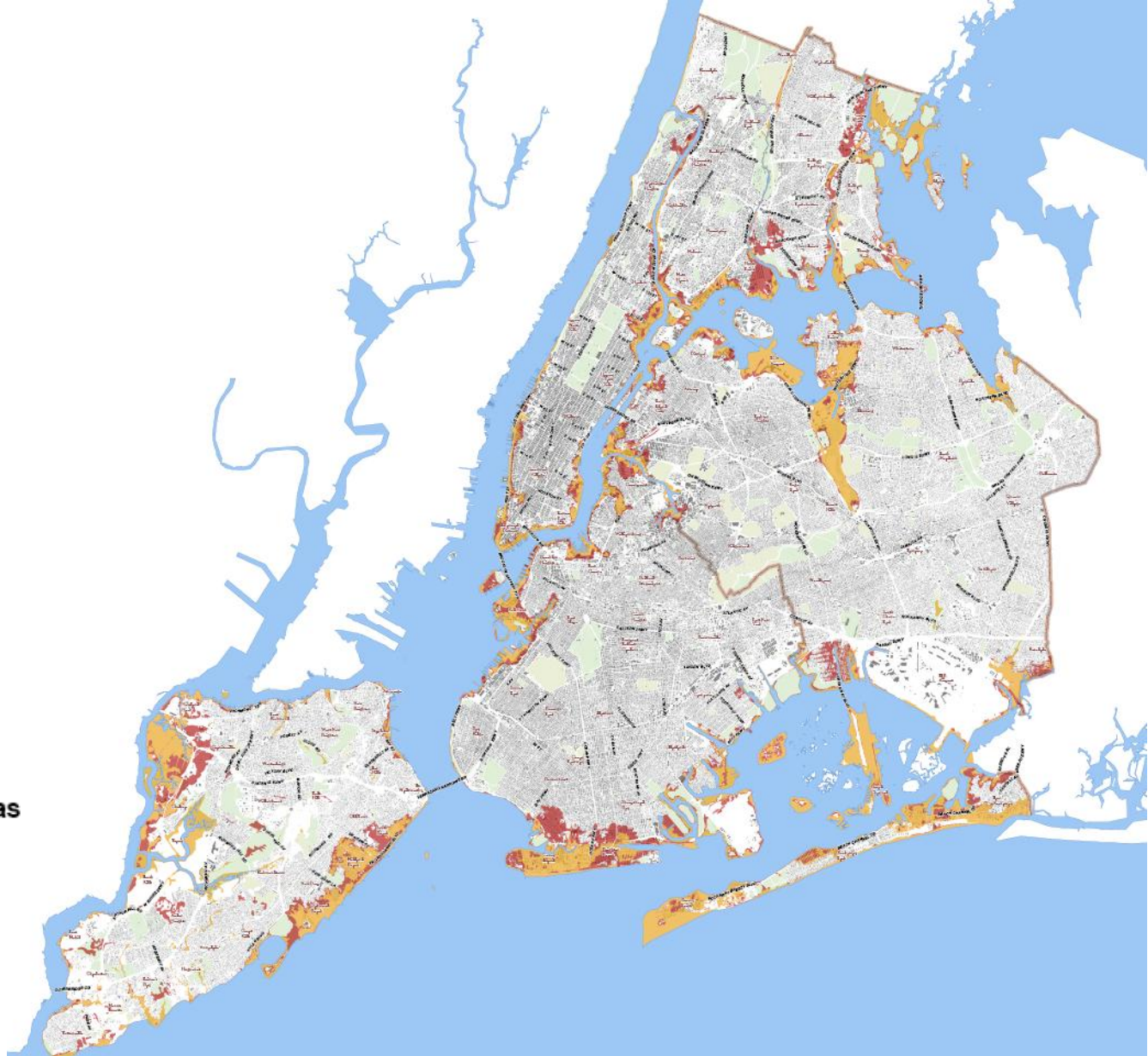
Source: New York City Panel on Climate Change Climate Risk Information



**Developed the City's first official
climate change projections**

DFIRM Flood Hazard Zone Areas

- 500-year (0.2% probability)
- 100-year zone
- Building
- Park
- Cemetery



**Sea levels are projected to
rise 1 to 2 feet by 2100**



111 recommendations covering:

- Health & Toxicity
- Energy & Carbon Emissions
- Building Resilience
- Resource Conservation
- Water Efficiency
- Stormwater
- Urban Ecology



**Asked to UGC to convene the
Green Codes Task Force**

