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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Water Quality
Sustainable Stormwater Management

Green Infrastructure Plan released to shift investments from grey to green infrastructure
Water Network
Expanding water conservation programs
Energy
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

Rate per 1000 people

Source: Centers for Disease Control; NYS Department of Health; analyzed by NYC Department of Health and Mental Hygiene
Worked with Legislature and Council to reduce pollution from #2 and #4 heating oils
Climate Change

MILLIONS OF METRIC TONS OF CO_2e

2005  2030

1. EFFICIENT BUILDINGS 16.5 MMT/yr
2. CLEAN POWER 10.7 MMT/yr
3. SUSTAINABLE TRANSPORTATION 6.1 MMT/yr

Source: New York City Mayor’s Office of Long-Term Planning and Sustainability
<table>
<thead>
<tr>
<th></th>
<th>Baseline 1971-2000</th>
<th>2020s</th>
<th>2050s</th>
<th>2080s</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Air Temperature</strong></td>
<td>55°F</td>
<td>+ 1.5 to 3°F</td>
<td>+ 3 to 5°F</td>
<td>+ 4 to 7.5°F</td>
</tr>
<tr>
<td><strong>Precipitation</strong></td>
<td>46.5 in</td>
<td>+ 0 to 5%</td>
<td>+ 0 to 10%</td>
<td>+ 5 to 10%</td>
</tr>
<tr>
<td><strong>Sea Level Rise</strong></td>
<td>NA</td>
<td>+ 2 to 5 in</td>
<td>+ 7 to 12 in</td>
<td>+ 12 to 23 in</td>
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<tr>
<td><strong>Rapid Ice-Melt Sea Level Rise</strong></td>
<td>NA</td>
<td>~ 5 to 10 in</td>
<td>~ 19 to 29 in</td>
<td>~ 41 to 55 in</td>
</tr>
</tbody>
</table>

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