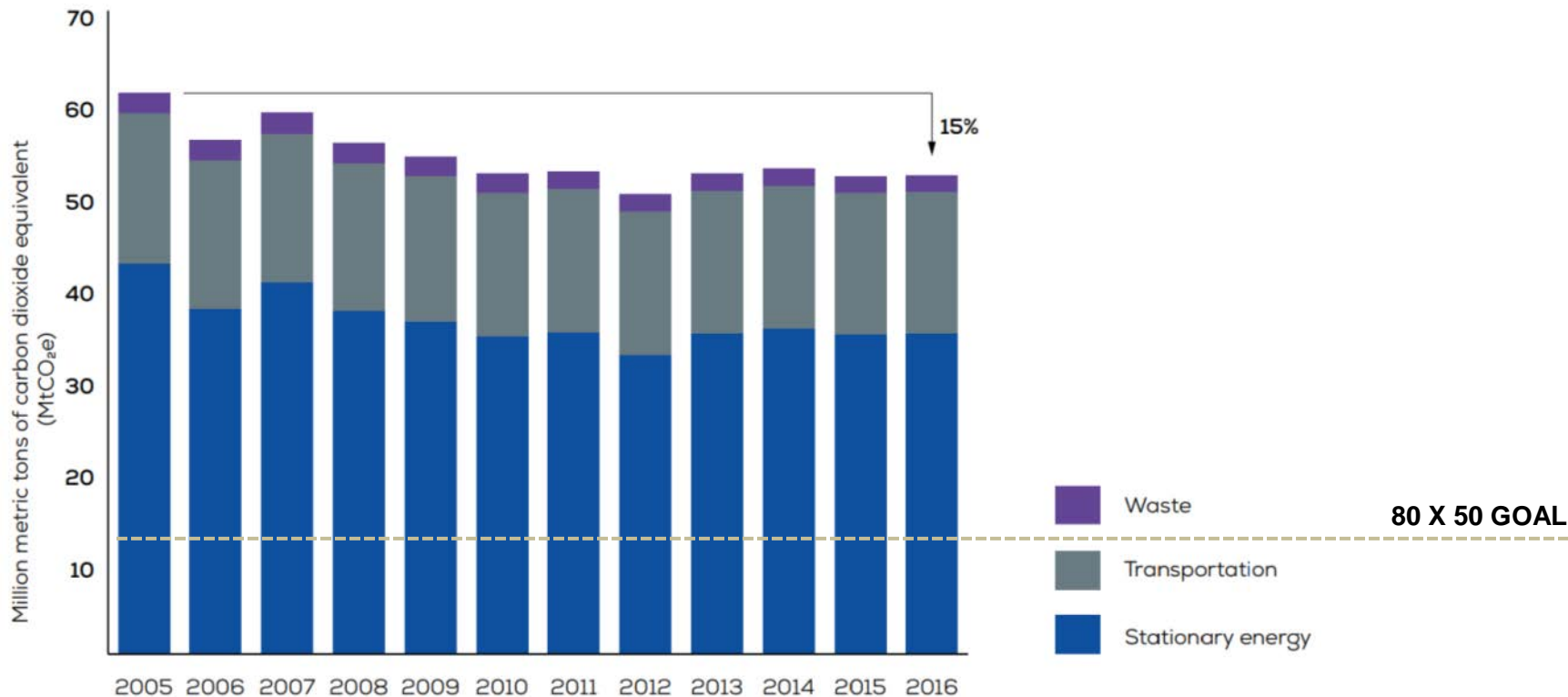


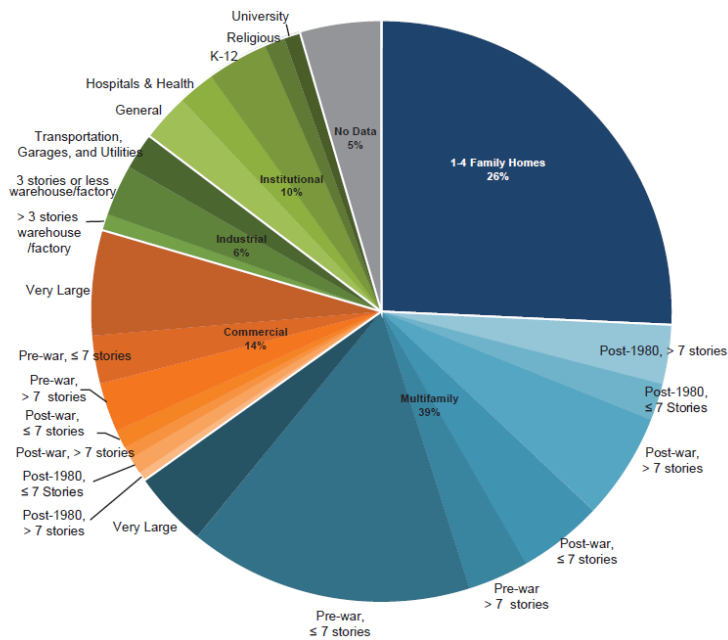


CITYWIDE ANNUAL GHG EMISSIONS BY SECTOR

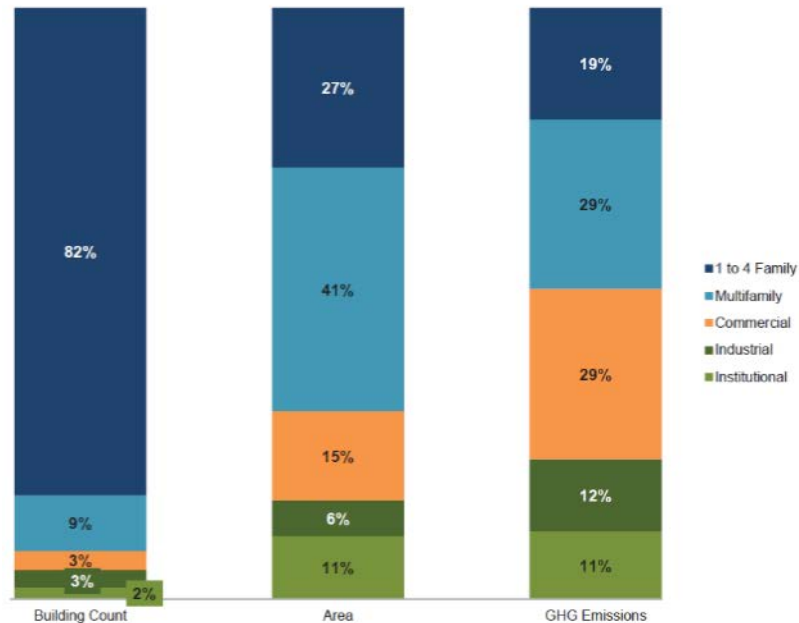




Distribution of Built Area by Building Typology

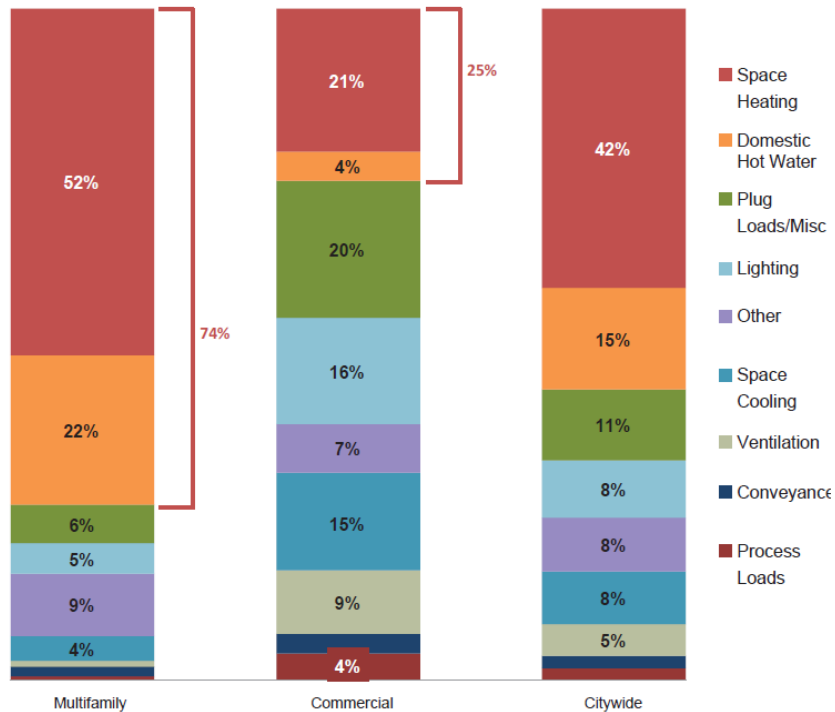


Building Uses by Building Count, Floor Area, and GHG Emissions

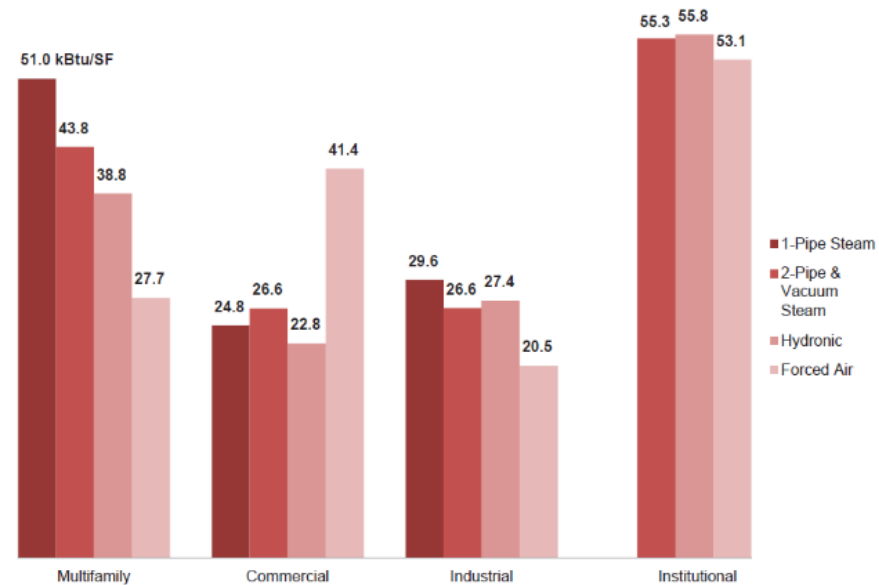




Building GHG Emissions by End Use



Median Heating EUIs by Heating System Type



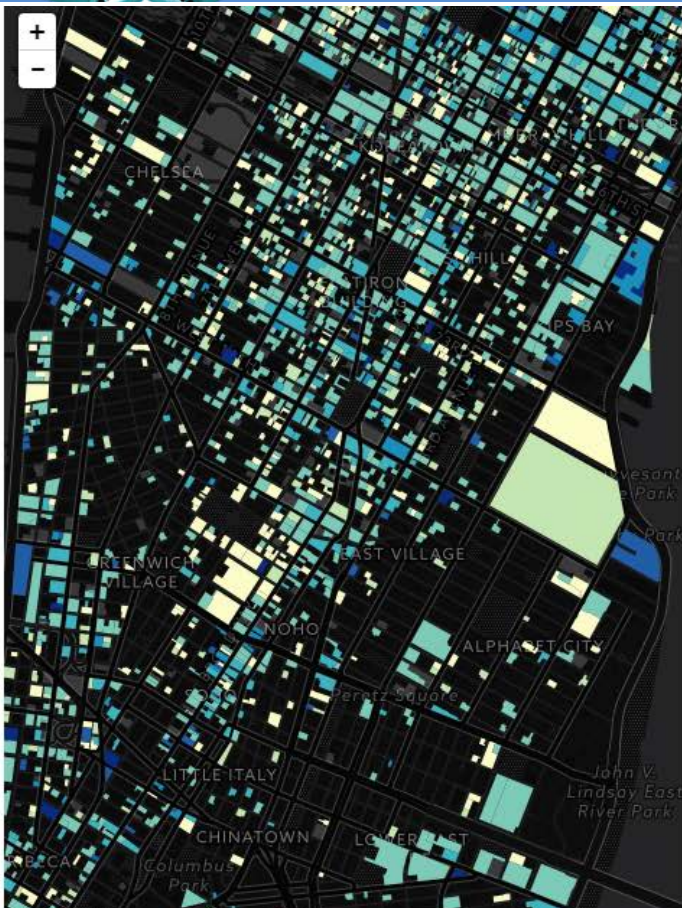
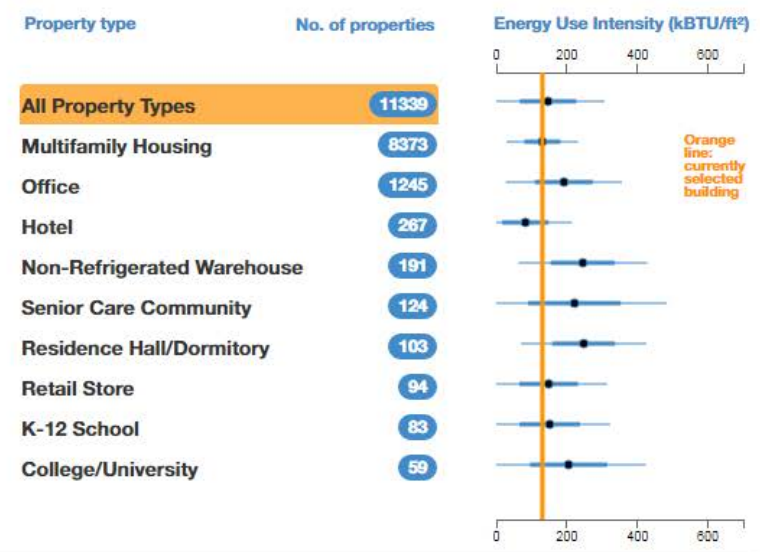


Energy Use Intensity | Water Use Intensity | Greenhouse Gas Intensity

Building Floor Area

Year built: to
 Floor area: to

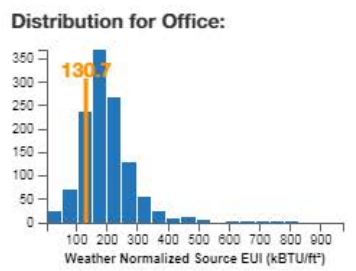
Reporting Year:



299 Broadway, Manhattan, 10007

Office
130.7
 Weather Normalized Source EUI (kBTU/ft²)

ENERGY STAR Score: 91
 Year built: 1904
 Gross Floor Area: 270,564 ft²
 Number of buildings on lot: 1
 Number of floors in primary building: 18



[Details](#)



SDL



Simulated annual energy use intensity (EUI) in Back Bay and South End

50

>350

EUI (kWh/m²)



Models of deep energy retrofit paths show that **40-60 percent energy reductions are possible using existing technologies and strategies.**



Commercial, Pre-war, ≤ 7 Stories

Citywide Building Area: 2.7%
Citywide Building-based GHG: 5.4%



1-4 Family Home

Citywide Building Area: 25.7%
Citywide Building-based GHG: 18.9%



Commercial, Pre-war, > 7 Stories

Citywide Building Area: 2.7%
Citywide Building-based GHG: 5.5%



Multifamily, Pre-war, ≤ 7 Stories

Citywide Building Area: 15.8%
Citywide Building-based GHG: 11.5%



Commercial, Post-war, > 7 Stories

Citywide Building Area: 0.7%
Citywide Building-based GHG: 1.3%



Multifamily, Post-war, > 7 Stories

Citywide Building Area: 5.9%
Citywide Building-based GHG: 4.3%



Commercial, Very Large

Citywide Building Area: 5.9%
Citywide Building-based GHG: 11.7%

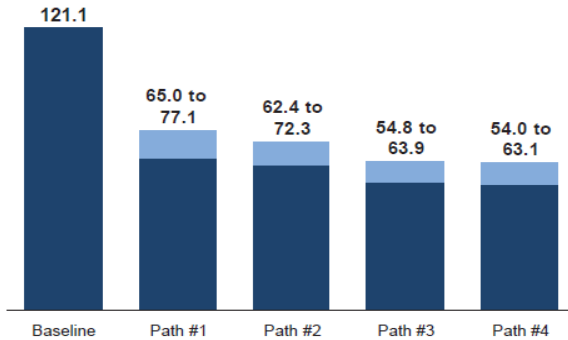


Multifamily, Post-1980, > 7 Stories

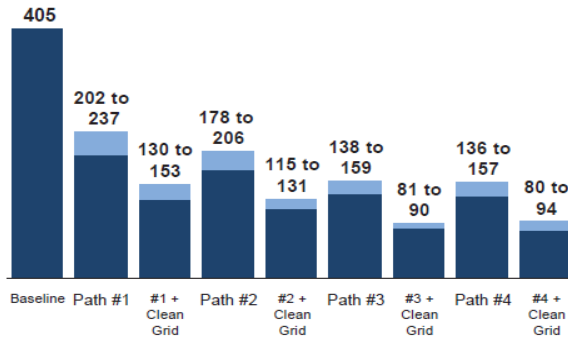
Citywide Building Area: 3.3%
Citywide Building-based GHG: 2.4%

Sample Deep Retrofit Path Results
Multifamily, Post-War, > Seven Stories

Path Source EUI Reduction (kBtu/SF)

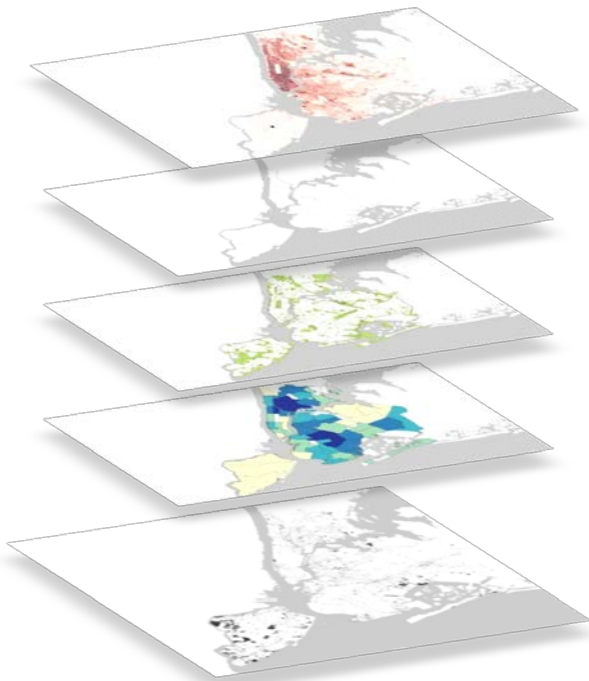


Path GHG Emissions Reduction (MtCO₂e)





Community Energy Map Layers:



Demand Densities
+

Distributed Energy
Resource Supply
Technical Potential
+

Physical &
Infrastructure
Constraints
+

Critical Facilities
+

Vulnerable Neighborhoods
=

Priority Areas for
Community
Energy (TBD)

- Solar PV & Solar Thermal
- Combined Heat and Power
- Ground Source Heat Pumps
- Water Source Heat Pumps
- Onshore Wind
- Industrial and Process Heat Recovery
- Con Ed District Steam

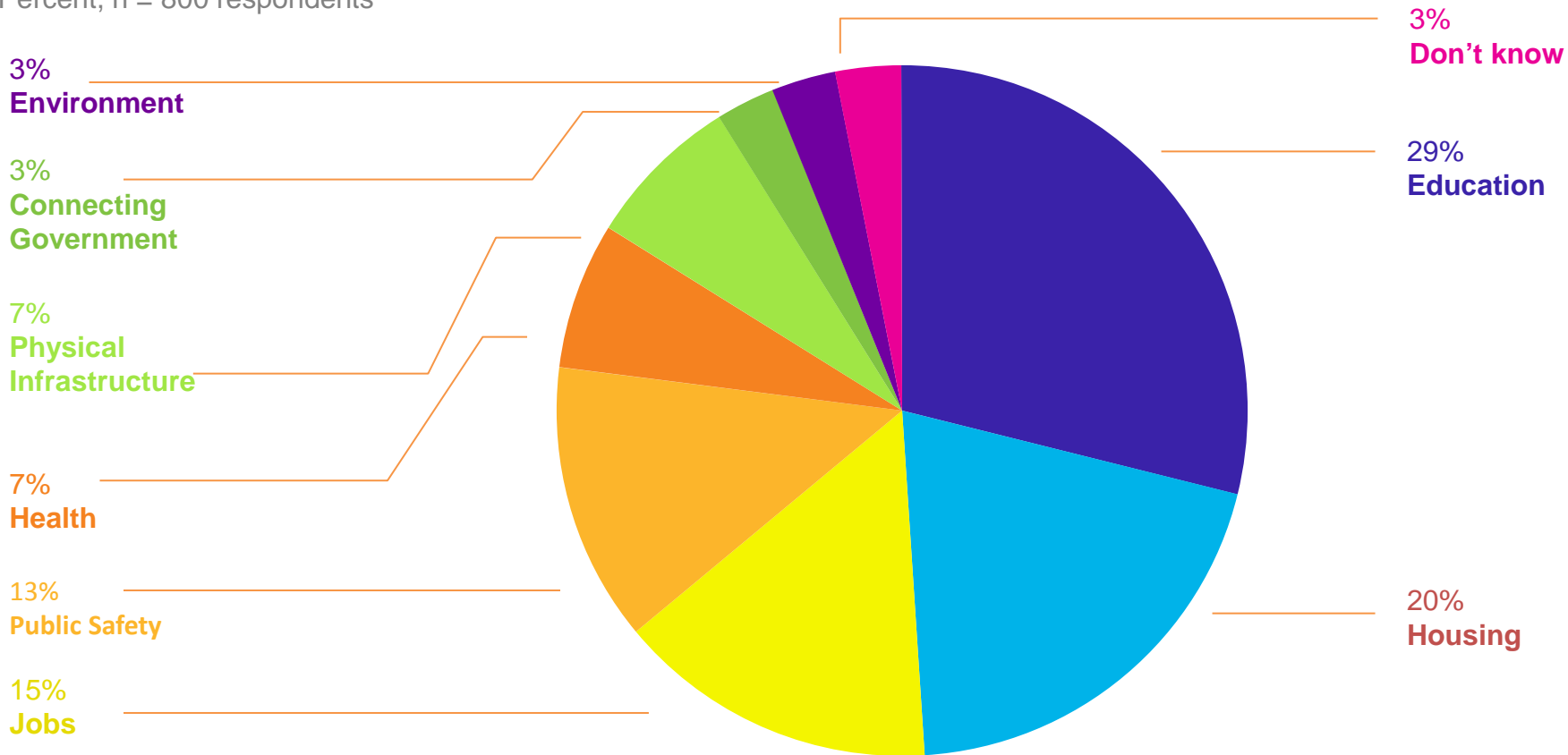
- Affordability
- Heat Risk
- Flood Risk
- Air Quality

**PlaNYC - 2007****OneNYC: Four Visions - 2015**



Most Important Issues According to New Yorkers

Percent, n = 800 respondents





QUALITY JOBS

ECONOMY AND INNOVATION

WORKFORCE DEVELOPMENT

LONG-TERM COST SAVINGS

HEALTH AND WELLBEING

SAFETY

AFFORDABILITY

ACCESS

COMMUNITY

LEAD BY EXAMPLE

RESILIENCY

RELIABILITY

NATURAL CAPITAL

Our Growing, Thriving City

New York City will continue to be the world's most dynamic urban economy where families, businesses, and neighborhoods thrive

Our Just and Equitable City

New York City will have an inclusive, equitable economy that offers well-paying jobs and opportunities for all New Yorkers to live with dignity and security

Our Sustainable City

New York City will be the most sustainable big city in the world and a global leader in the fight against climate change

Our Resilient City

Our neighborhoods, economy, and public services will be ready to withstand and emerge stronger from the impacts of climate change and other 21st century threats



Industry Expansion & Cultivation

New York City will have the space and assets to be a global economic leader and grow quality jobs across a diverse range of sectors



Workforce Development

New York City will have a workforce equipped with the skills needed to participate in the 21st century economy



Housing

New Yorkers will have access to affordable, high-quality housing coupled with robust infrastructure and neighborhood services



Thriving Neighborhoods

New York City's neighborhoods will continue to be thriving and well-served



Culture

All New Yorkers will have easy access to cultural resources and activities



Transportation

New York City's transportation network will be reliable, safe, sustainable, and accessible, meeting the needs of all New Yorkers and supporting the city's growing economy



Infrastructure Planning & Management

New York City's infrastructure and built environment will exemplify global economic, environmental, and social leadership



Broadband

Every resident and business will have access to affordable, reliable, high-speed broadband service everywhere by 2025



Early Childhood

Every child in New York City will be nurtured, will be protected, and will thrive



Integrated Government & Social Services

All New Yorkers will have access to high-quality, conveniently located, community-based City resources that promote civic engagement and enable them to thrive



Healthy Neighborhoods, Active Living

New Yorkers of all ages will live, work, learn, and play in neighborhoods that promote an active and healthy lifestyle



Healthcare Access

All New Yorkers will have access to the physical and mental healthcare services that they need



Criminal Justice Reform

Among large U.S. cities, New York will continue to be the safest and will have the lowest rate of incarceration, with a criminal justice system that leads the nation in fairness and efficiency



Vision Zero

New Yorkers will continue to embrace Vision Zero and accept no traffic fatalities on New York City streets