



Creating a Sustainable, More Energy-Efficient City: New York City Government's Approach

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New York City
Economic Development
Corporation

PlaNYC Sustainability Objectives

Land

- 1 Create** enough housing for our growing population
- 2 Ensure all New Yorkers have parks** within a 10-minute walk
- 3 Clean up all contaminated land** in New York City

Water

- 4 Develop water network** back-up systems
- 5 Open 90% of our waterways** and protect natural areas

Transportation

- 6 Improve travel times** by adding transit capacity for millions
- 7 Achieve "State Of Good Repair"** on our transportation system

Energy

- 8 Provide cleaner more reliable power** to every New Yorker

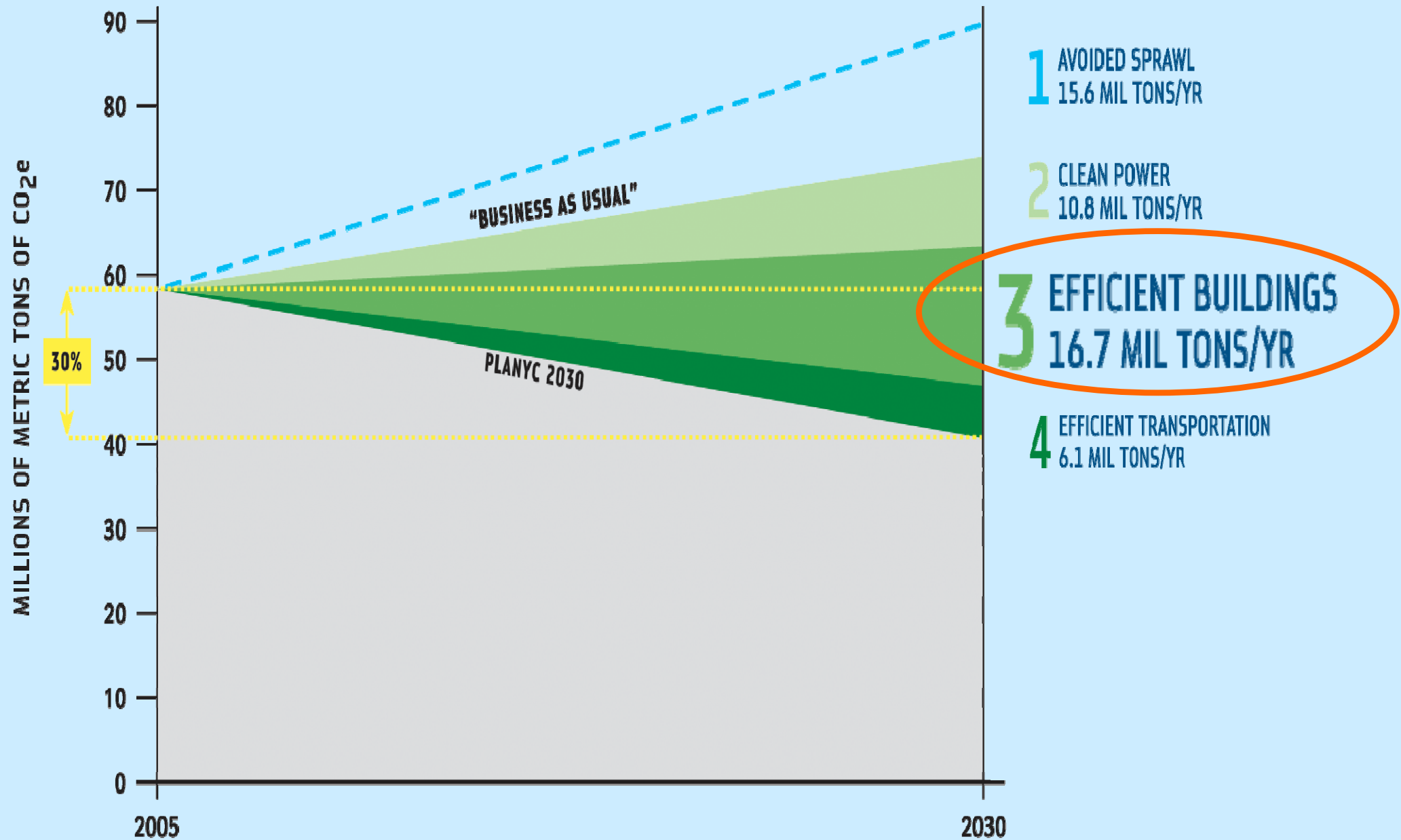
Air

- 9 Achieve the cleanest air** of any big city in America

Climate Change

- 10 Reduce global warming emissions** by 30% by 2030

Projected Citywide Greenhouse Gas Reductions



Why Existing Buildings Are So Critical

- 85% of the buildings NYC has today, we will have in 2030
- 50-85% of energy consumption in commercial buildings comes from tenant-controlled operations, maintenance, and appliances (in residential buildings, tenants control only 25-50% of consumption)
- In NYC, ~ 80% of GHG emissions are attributable to existing buildings (this is unique to NYC; in other locations, transportation is the primary contributor and existing buildings account for an average of ~30% of GHG emissions)

How Will We Address Existing Buildings

1. Address **City-owned** property (buildings, fleets) and operations
2. Address **all non-government-owned** property and operations (city-wide)

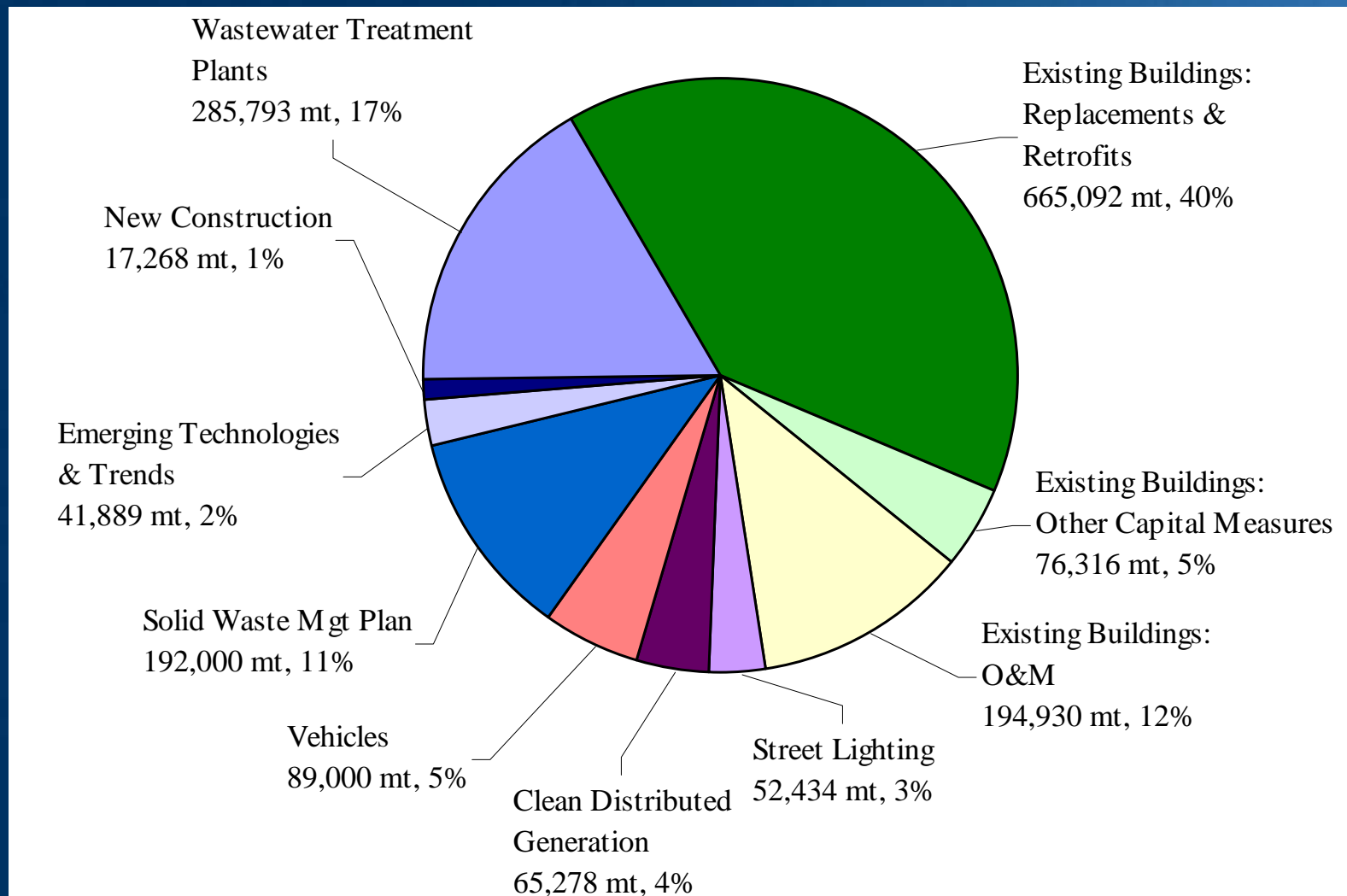
1. Addressing City-Owned Properties

Leading by Example: NYC is addressing emissions in City-owned properties, operations, and vehicle fleets:

- Mayor Bloomberg set a **more aggressive goal** for City-owned properties than city-wide properties (30% x 2017 vs 30% x 2030)
- Established an **Energy Conservation Steering Committee** with representation from various agencies
- **Analyzed** opportunities for energy- and emission-savings:
 - Financial analysis (investment required, payback, etc.)
 - Energy-savings and emissions-reduction analysis
- Developed an **implementation plan** ("Ten Year Plan") outlining a strategy for achieving emissions reductions goals
- Established a **process** for submitting, reviewing, and approving energy-saving projects from City agencies

Achieving Our Emissions Reductions Targets

- The City's "Ten Year Plan", produced by the Energy Conservation Steering Committee outlines the types of projects the City intends to engage to reach its goal



2. Addressing all other properties (city-wide)

To achieve the goal for emissions reductions citywide (30% by 2030), the City government is:

- **Revising local policy and regulations:** Developing and introducing green building legislation; leading an effort to “green” the NYC building code, etc.
- **Maximizing New York State-administered programs and incentives:** Working collaboratively with the PSC, local utilities, NYSERDA
- **Launching “Mayoral Challenges”:** Sector-by-sector, hosting and facilitating “Challenges” that ask large energy-consumers in non-governmental sectors to match the Mayor’s commitments.
- **Launching educational and awareness campaigns:** Conducting outreach and seminars on energy-savings opportunities; leveraging GreeNYC’s reach to promote energy efficiency
- **Promoting incentives:** Promoting tax abatement incentives such as the solar and green roof property tax abatements