



PlaNYC: A Greener, Greater New York

Greenhouse gases are produced primarily through the burning of fossil fuels for energy.

Greenhouse gases such as carbon dioxide and methane trap the sun's energy. Increasing concentrations of greenhouse gas emissions in the atmosphere are responsible for global climate change.

Climate change will impact New York City directly.

Changes to the Earth's climate are expected to result in rising sea levels, increased storm severity, and increased temperatures in New York City.

All elements of PlaNYC contribute to reaching the goal of reducing global warming emissions by 30% by 2030.

ACHIVING REDUCTION TARGET

The 30% reduction target—**33.1 million metric tons per year** by 2030—would be achieved through three primary means:

- **Clean power** – Improvements in New York City's electricity supply will **save 10.6 million metric tons of carbon dioxide equivalent (CO₂e) per year** through replacement of old power plants, promotion of distributed generation, and promotion of renewable power
- **Efficient buildings** – Reduced energy consumption in buildings will **save 16.4 million metric tons of CO₂e per year** through improvements in existing buildings' efficiency, requiring new buildings to be more efficient, increasing appliance efficiency, greening the City's building and energy codes, and increasing energy awareness through education, training, and quality control
- **Sustainable transportation** – Enhancing New York City's transportation system will **save 6.1 million metric tons of CO₂e per year** through reduced vehicle use due to improved transit, improved efficiency of private vehicles and taxis, and decreased CO₂ intensity of fuels.

GROWTH IS GREENHOUSE GAS REDUCTION STRATEGY

900,000 new residents of New York City by 2030 will result in an **additional annual reduction of 15.6 million metric tons of CO₂e per year** through avoided sprawl. On average, Americans emit more than three times the CO₂e per capita than New Yorkers.

ADAPTING TO CLIMATE CHANGE

The City will embark on a broad effort to adapt to the unavoidable impact of a changing climate. New York City will prepare for climate change through three initiatives:

- Create an **interagency task force** to protect vital infrastructure
- Work with neighborhoods to **develop site-specific strategies**
- Launch a **citywide strategic planning process** for climate change adaptation