



## PlANYC will provide cleaner, more reliable power for every New Yorker by upgrading our buildings and energy infrastructure; thereby improving our air quality and reducing greenhouse gas emissions

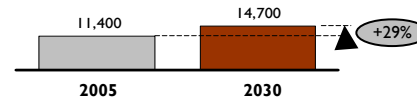
With current trends, New York City's demand for electricity will increase by a projected 29%, while overall electricity consumption is projected to increase by 44%.

Even with this rise in demand, it is unlikely the energy market will provide sufficient new clean, efficient power plants due to risk, lack of incentives, and other barriers, leaving us reliant on an aging fleet of plants.

In total, this could result in an increase in our annual energy bills of \$3 billion (or \$300-400 per household) and 6-8 million more tons of CO<sub>2</sub> emissions by 2015.

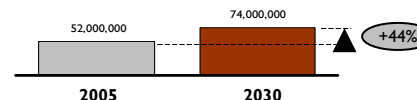
**Electrical capacity requirement forecast**

Summer peak load, MW



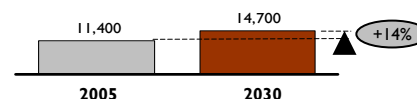
**Electrical consumption forecast**

MWh per year



**Heating fuels demand forecast**

MMBtu per year



## ENSURING RELIABLE ENERGY, CREATING A HEALTHIER ENVIRONMENT

**We're recommending an aggressive, integrated plan to meet these goals:**

- o Significantly reduce energy consumption and peak demand through a comprehensive energy efficiency strategy
- o Upgrade the aging NYC power supply sector with clean efficient capacity
- o Create the organizational mechanisms and policies to secure a role in New York City energy planning
- o Taking on the responsibility and accountability for New York City's energy needs

## REDUCTION OF ENERGY CONSUMPTION & PEAK DEMAND

**For both environmental and economic reasons, our first step toward a comprehensive energy policy must be evaluating how to maximize our energy efficiency.**

- Reduce energy consumption by City government by investing 10% of the City's energy costs into energy efficiency programs
- Strengthen energy building codes for New York City
- Create an energy efficiency Authority for New York City
- Prioritize five areas for targeted incentives: government & institutional, commercial & industrial, residential, new construction, and appliances and electronics
- Expand participation in peak load management programs and real-time pricing
- Launch an energy awareness and training campaign to reduce demand

## INCREASE SUPPLY OF CLEANER ENERGY SOURCES

**Flattening consumption will not happen overnight. Despite our efficiency efforts, by 2015 we will need at least 900 MW of new generating capacity just to keep up with rising demand and expected power plant retirements. PlaNYC create a cleaner supply of energy by:**

- Facilitate repowering, construct power plants and dedicated transmission lines through long-term power purchase agreements
- Expand Clean Distributed Generation ("Clean DG") by reducing barriers and facilitating district energy
- Support expansion of natural gas infrastructure
- Foster the market for renewable energy with incentives for and purchases of renewable energy

## IMPROVE ENERGY PLANNING TO LOWER OUR RATES

**We need a more comprehensive, coordinated, and aggressive planning effort, focused on the specific needs of New York City. A New York City Energy Planning Board would be responsible for:**

- **Comprehensive planning:** To review and approve energy plans that includes supply and demand strategies to meet the city's needs.
- **Reducing demand:** Set demand reduction targets as part of the city's overall energy plan and recommend funding levels.
- **Expanding supply:** Set supply targets and would facilitate the supply of new clean power to the city by enabling a process to issue long-term contracts to energy supply developers.

For more information: [www.nyc.gov/planyc2030](http://www.nyc.gov/planyc2030)