Achieving "Zero Emission Tokyo"

Japan Climate Initiative Event at COP27

~Now is the Time to Accelerate Action : Japanese Non-state Actors' Path to Net-Zero

November 2022

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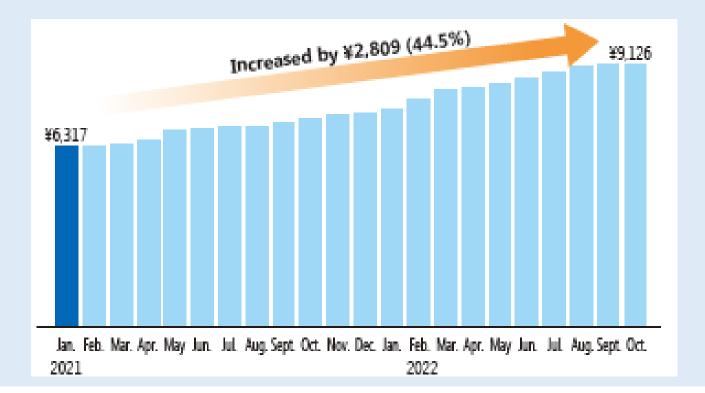
Decarbonization and Energy Security



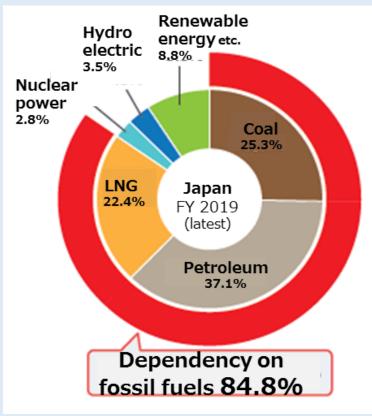
Now is the time to accelerate effective actions

CLIMATE ACTION

Electricity prices of Tokyo Electric Power Company (TEPCO)



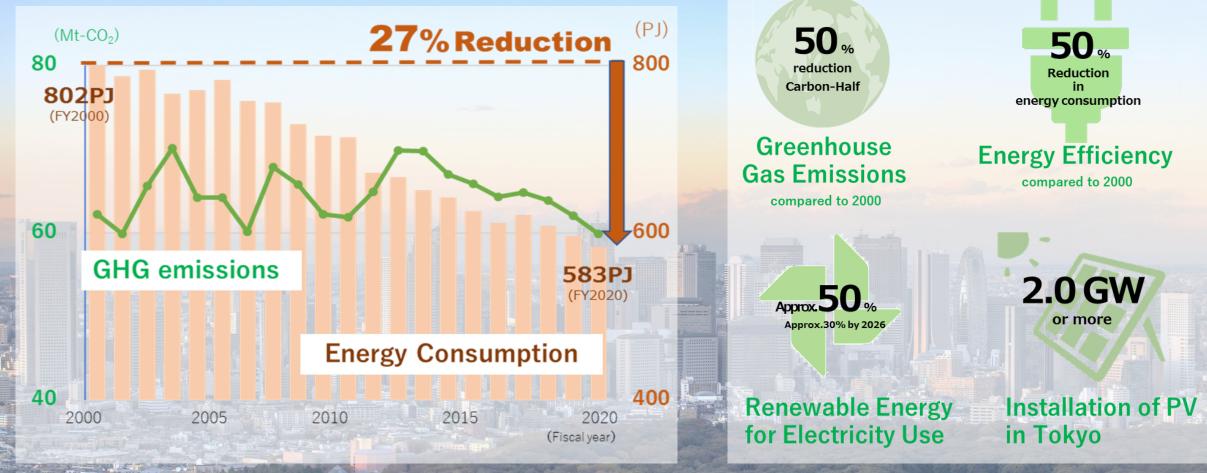
Composition of Primary Energy Supply of Japan



Towards 2030 "Carbon Half"

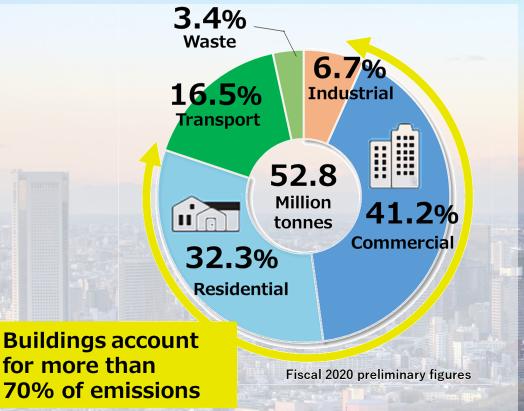
Trend of GHG and Energy consumption in Tokyo

2030 GOALS

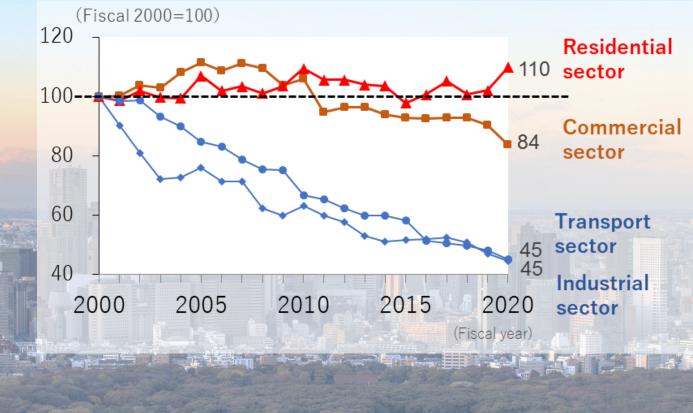


Shaping Future Tokyo through Building-related Policies and Measures

Sector breakdown of CO₂ emission in Tokyo

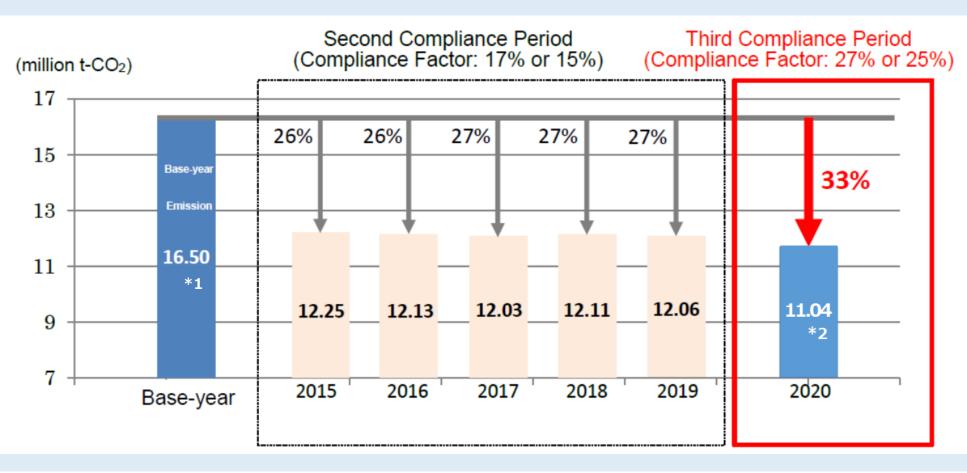


Final Energy consumption by Sector in Tokyo



World's First Urban Cap-and-Trade Program (Mandatory CO₂ Reduction Program)

Achieved 33% reduction



*1 Base-year emission is the average emissions of three consecutive fiscal years selected by facilities between FY2002-2007 *2 Aggregated value as of February 9, 2022 resulting from emission factors for electricity, etc. in the third compliance period

Huge Potential of Tokyo's "Rooftops"

✓ Installation of Photovoltaic(PV) systems can cover a large part of the power consumption of households

 A trend toward mandatory installation in the United States and Europe



Promote the mandatory installation of PV systems in new houses

Mandatory PV installation program

Target Buildings	New small and medium-sized (total floor area<2,000 m ²)
Target Individuals	Major housing suppliers *Supply over 20,000m ² of housing etc. on a yearly basis in Tokyo
Obligations	Installation of PV & EV charging equipment, requirements for thermal insulation and energy-efficient equipment

* A bill to amend the ordinance will be submitted to the Assembly this year, enforcement will start in 2025.



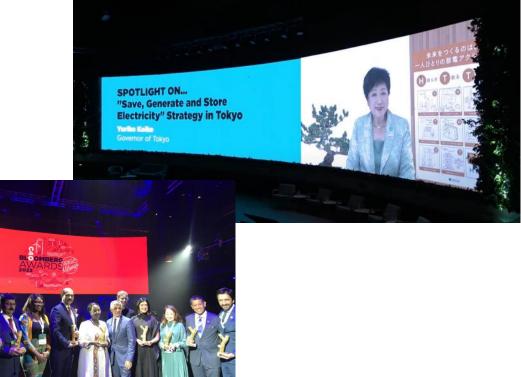
Ensure progression towards a sustainable city through decarbonization

Cooperation with non-state actors around the World !

C40 Cities Bloomberg Philanthropies Awards

~ WORLD MAYORS SUMMIT at Buenos Aires (October 2022)

Tokyo / Kuala Lumpur Global North and South collaboration to decarbonise the building sector



TOKYO METROPOLITAN GOVERNMENT

http://www.kankyo.metro.tokyo.jp/en/index.html