

19 October 2023, 15:30-17:30 (JST) ,14:30-16:30(MYT)

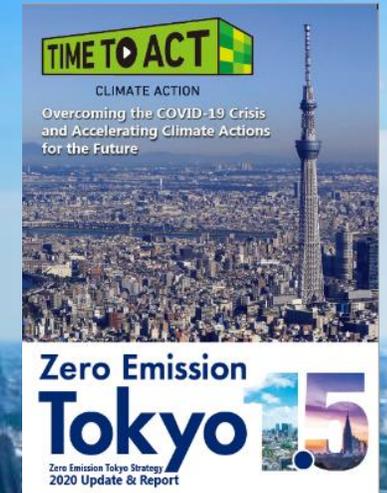
High Level Talks: Towards Smart, Zero Carbon and Climate-Resilient Cities in Malaysia and Japan
at the IGES Tokyo Sustainability Forum



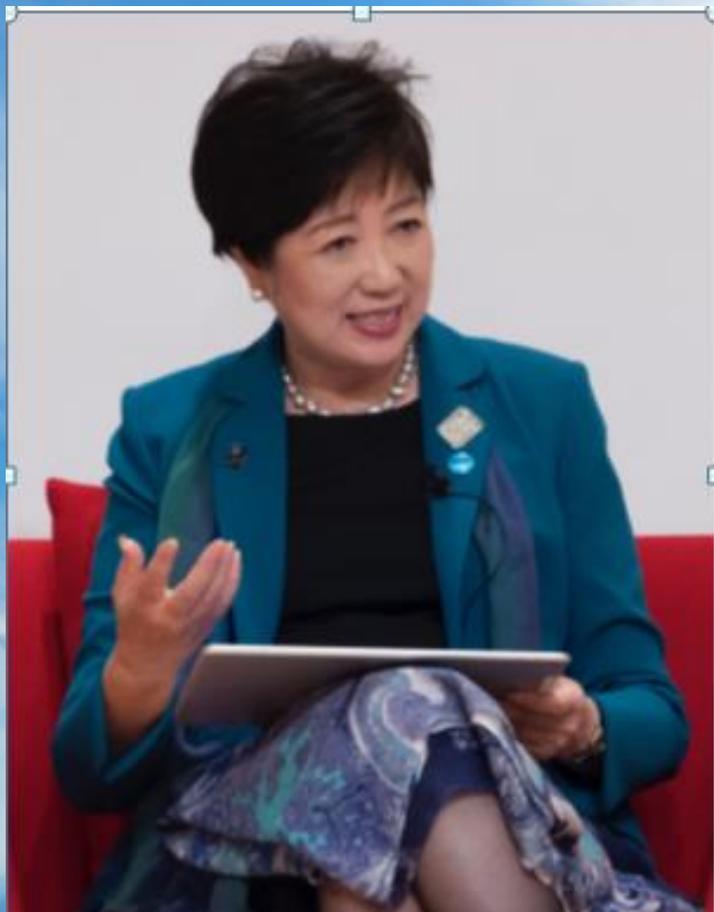
Tokyo Initiatives for Building Decarbonization



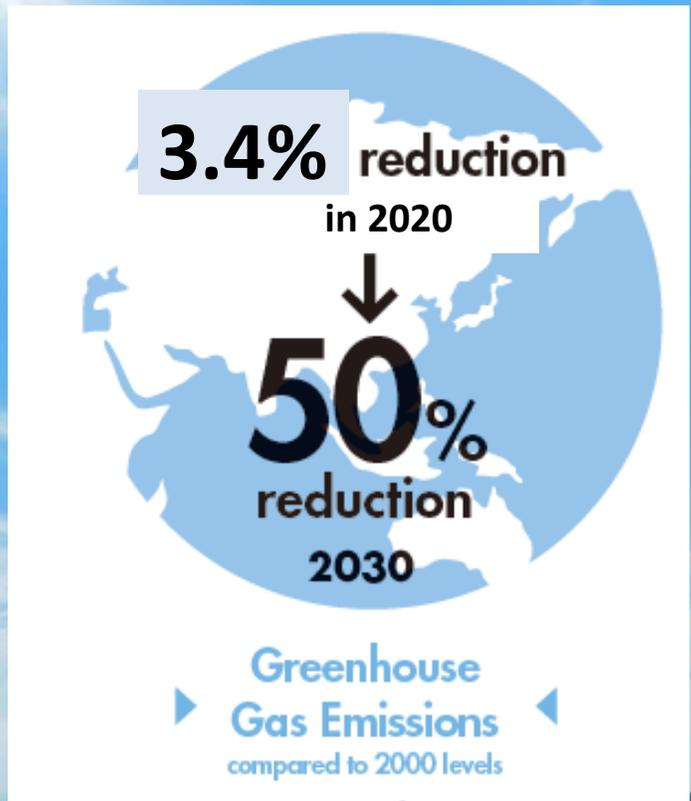
Toshiko CHIBA
Bureau of Environment
Tokyo Metropolitan Government



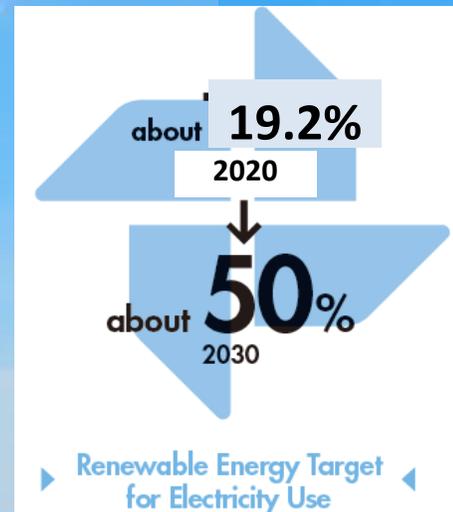
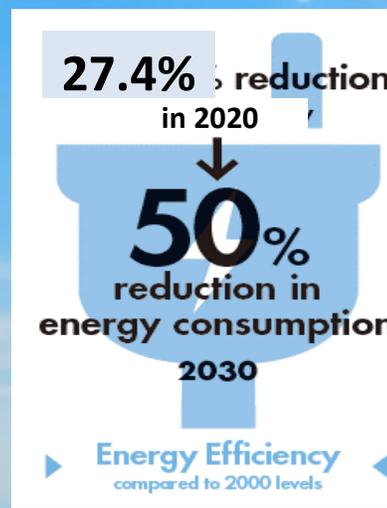
Tokyo



Yuriko Koike,
Governor of Tokyo

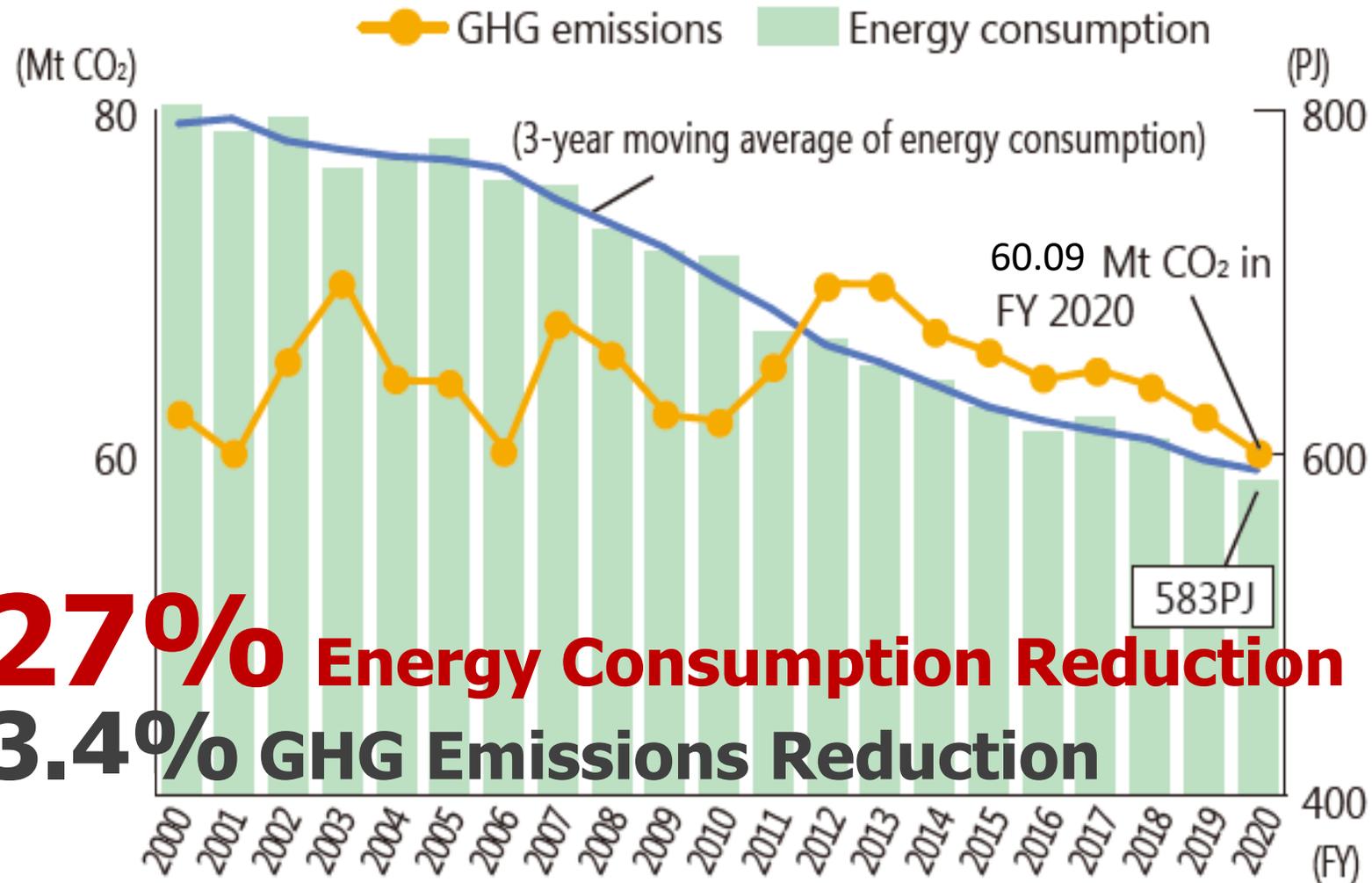


2030 GOALS



Characteristics of Tokyo ; Energy Consumption and GHG Emissions in 2020

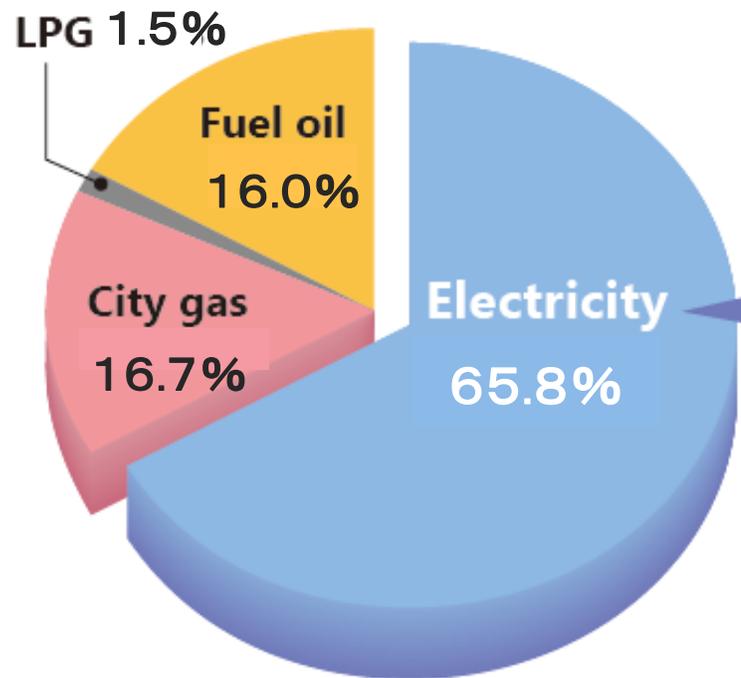
Changes in GHG emissions and energy consumption



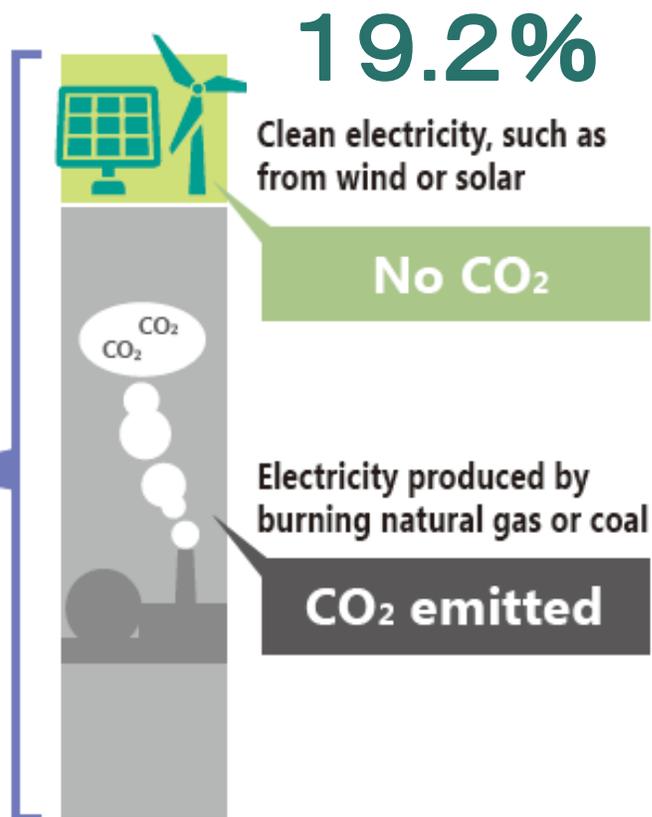
27% Energy Consumption Reduction
3.4% GHG Emissions Reduction

Characteristics of Tokyo ; Energy-Related CO2 Emissions in 2020

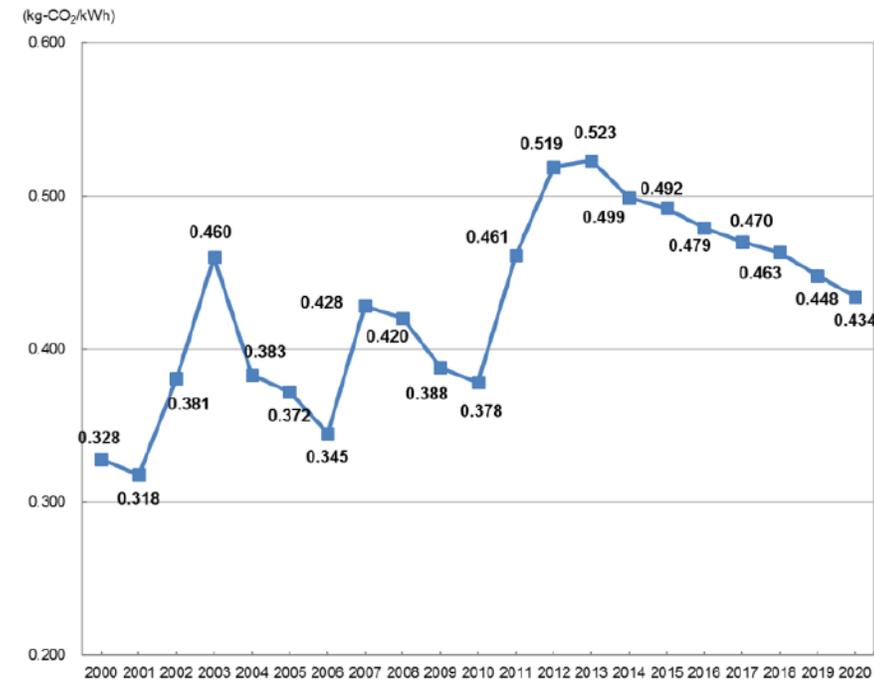
Breakdown of energy-related CO₂ emissions in Tokyo
(preliminary results for FY 2020)



51.05 MT-CO₂ in FY 2020



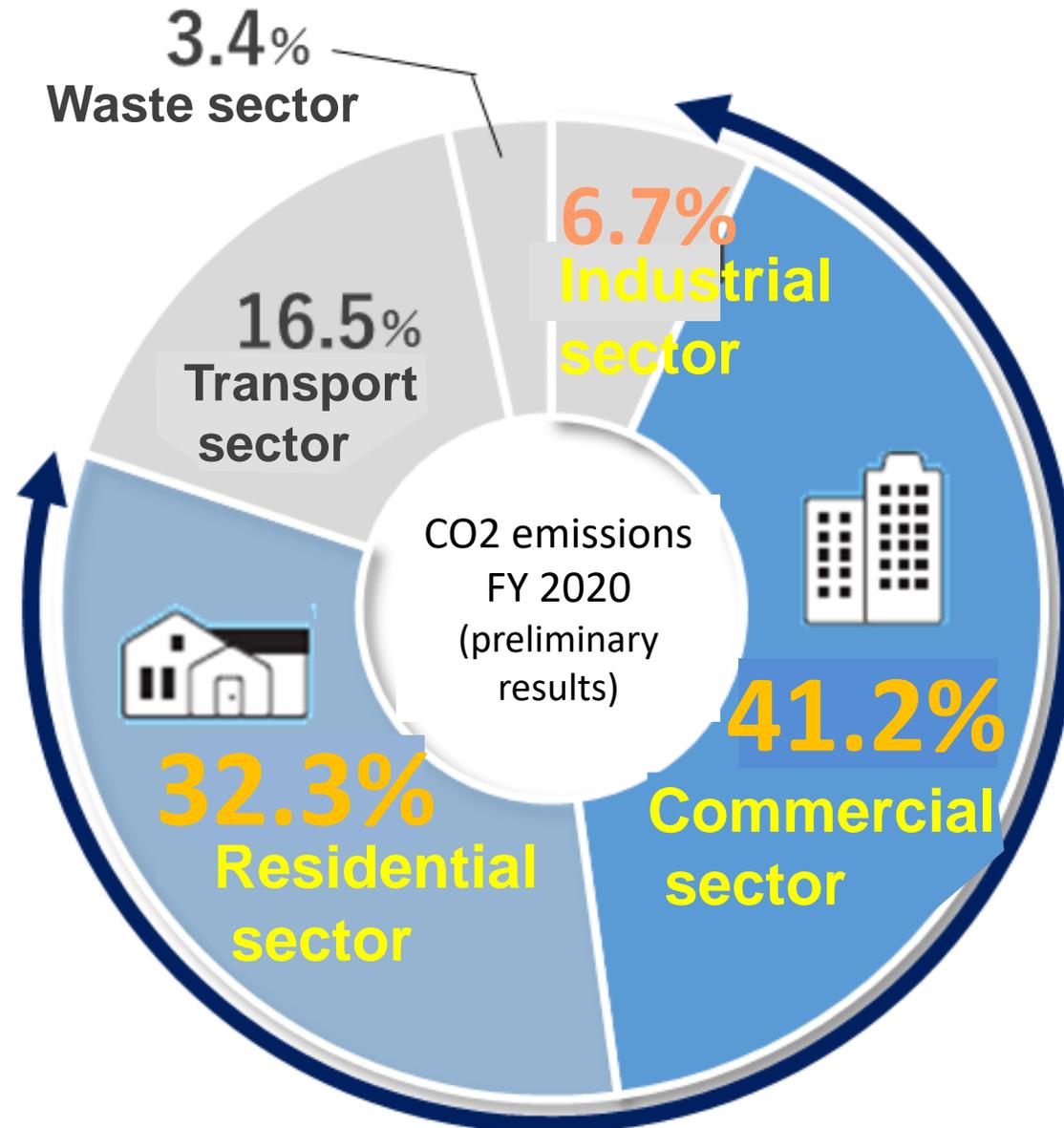
CO₂ emission factor of power



(※) 都内に電力を供給している各電気事業者の二酸化炭素排出係数(実排出係数)及び都内供給電力量に基づき、都で計算した加重平均

Characteristics of Tokyo

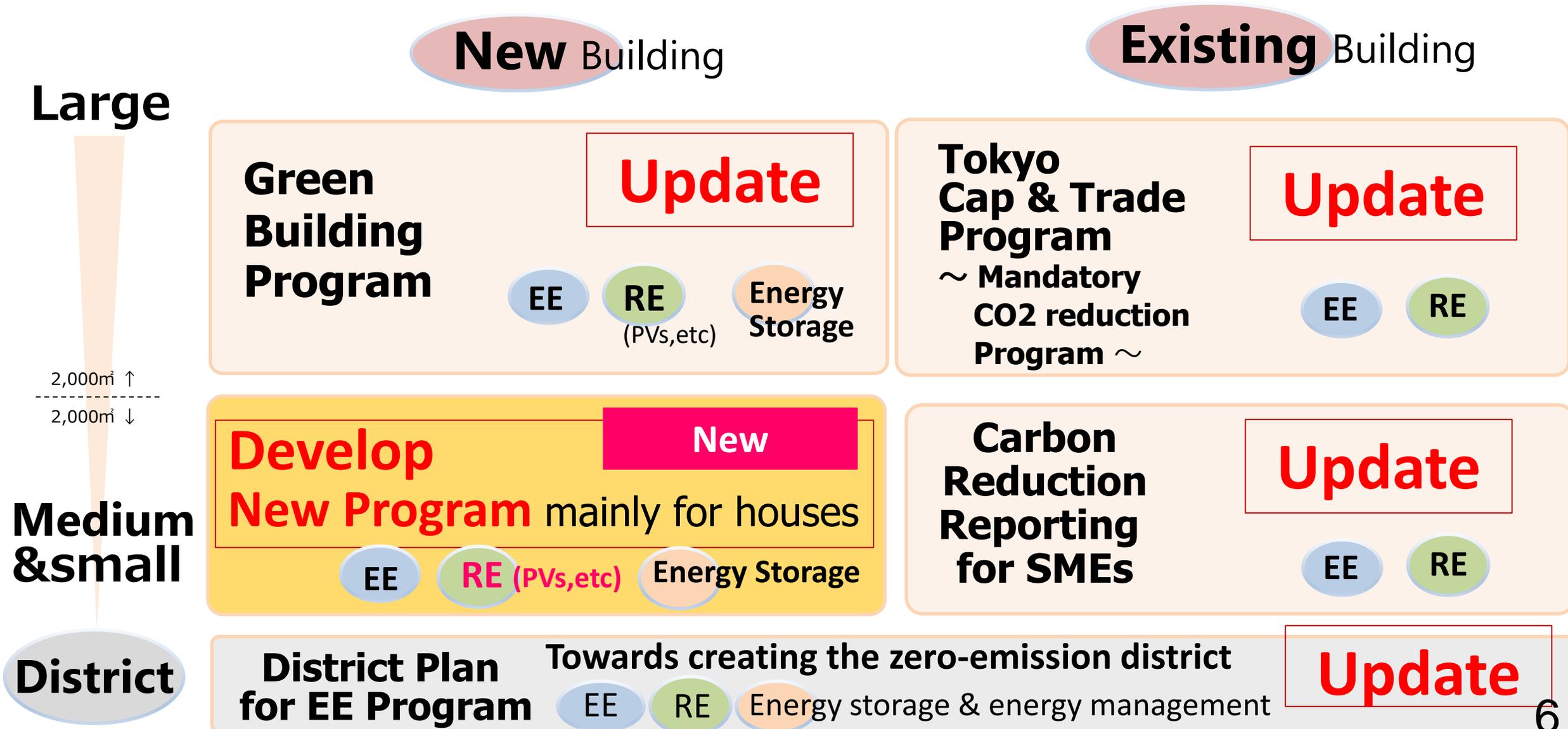
; Energy-Related CO2 Emissions by Sector in Tokyo



Buildings account for
over **70%**

✓ **Expanding zero emission buildings** is essential to attract investment and business

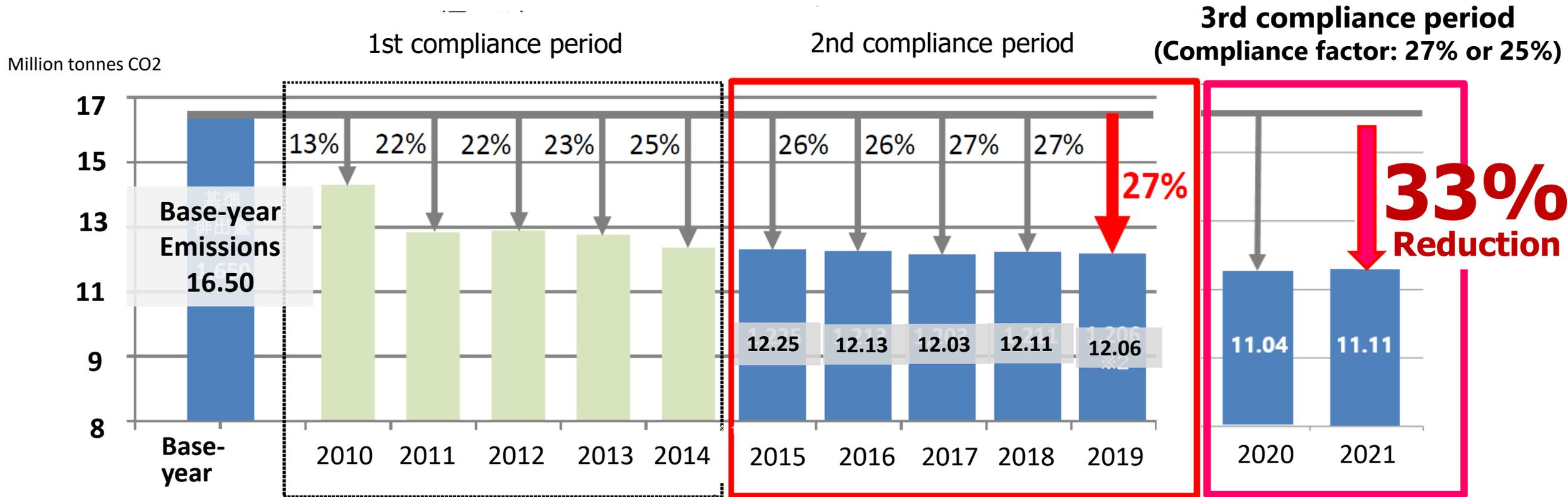
Climate Change Policy Framework for Buildings by Tokyo Ordinance



Tokyo Cap-and-Trade Program

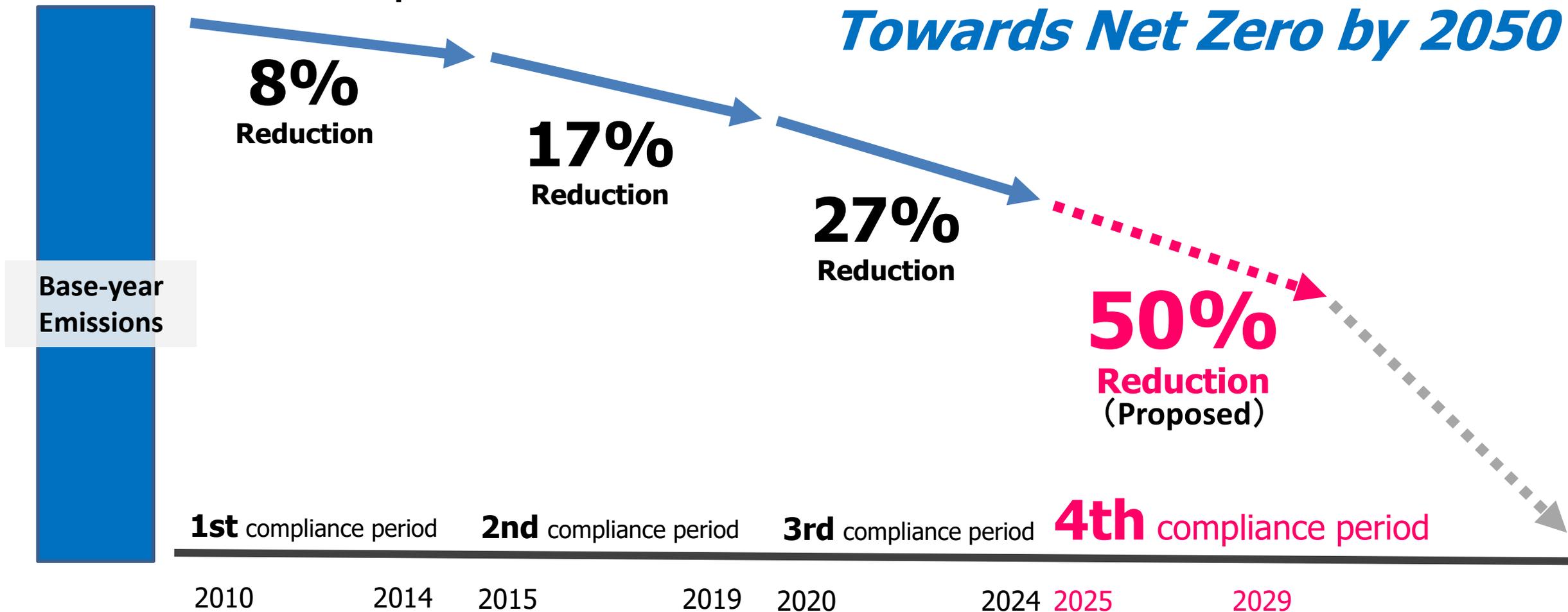
• Mandatory CO2 reduction program for Large-sized Existing Buildings

*Launched in 2010 by Tokyo ordinance



Tokyo Cap-and-Trade Program

• **Reduction Obligation Level** for Office and Commercial Building
(Compliance factor)

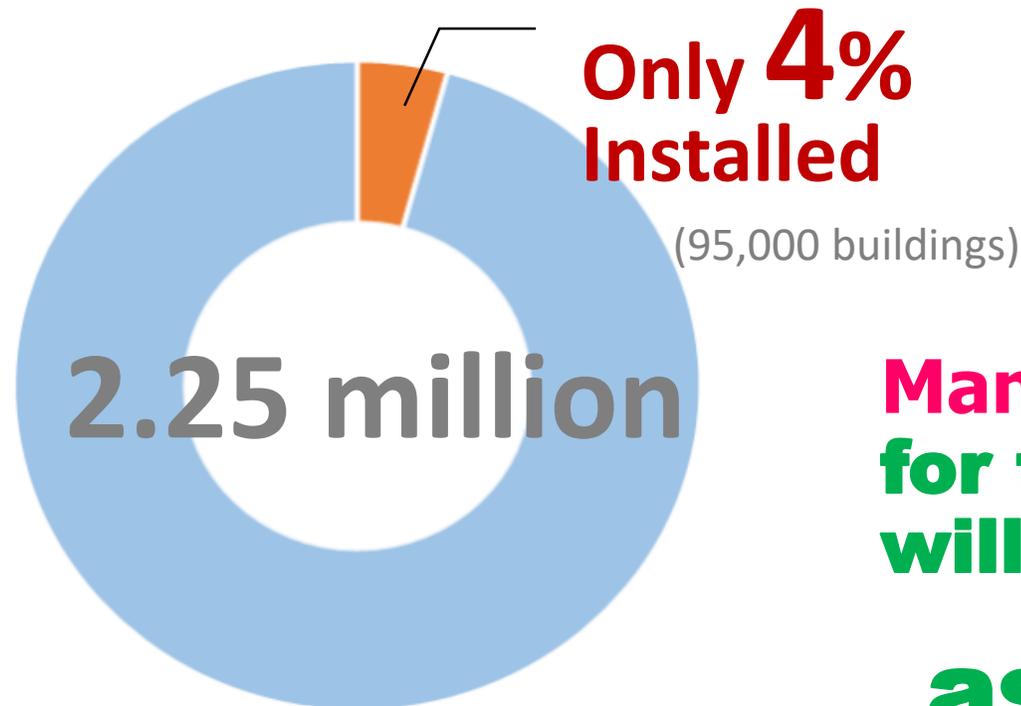


Develop New Program for houses

- **Installation Mandate for Solar Panels**

~ Utilizing the Full Potential of Tokyo's Rooftops

Buildings with solar panel installation potential



Mandate for the solar panel installation will come into effect

as of April 2025

Integrated Promotion of Decarbonization and Energy Security

Reduce energy
consumption
(Improvement
Energy Efficiency)

Generate renewable power,
Store and **use** power

Building
(incl. house)

District
(ex, creating
the zero-emission district)

Benefits of the Tokyo itself

Children's International Exchange in 2023

*Online dialogue between primary school students
in Kuala Lumpur and Tokyo
toward EE & RE
in house and school*

クアラルンプール市（マレーシア）の
小学生とオンラインでお話しよう！
FC東京ホームゲームなどの親子イベントも当たる！！

クアラルンプール市との「こども環境国際会議」
≫11月18日（土）15:00～16:30ころ
詳しくは東京都環境局HPへ！→

HTT
KageShips



Toward a Zero Emission Cities in Malaysia and Japan

