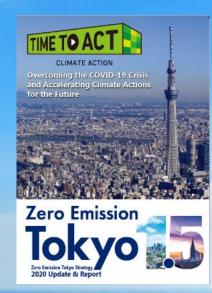


Tokyo Initiatives for achieving carbon neutral

-Fast forward to "Carbon Half" by 2030

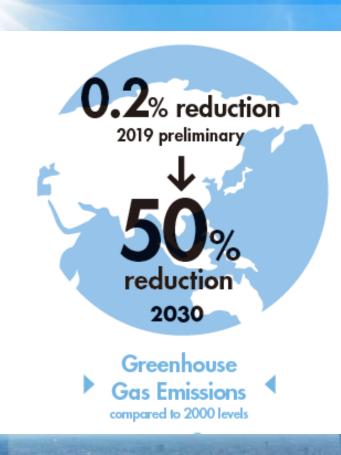


Bureau of Environment
Tokyo Metropolitan Government

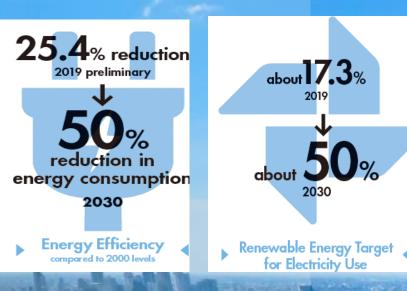
Tokyo



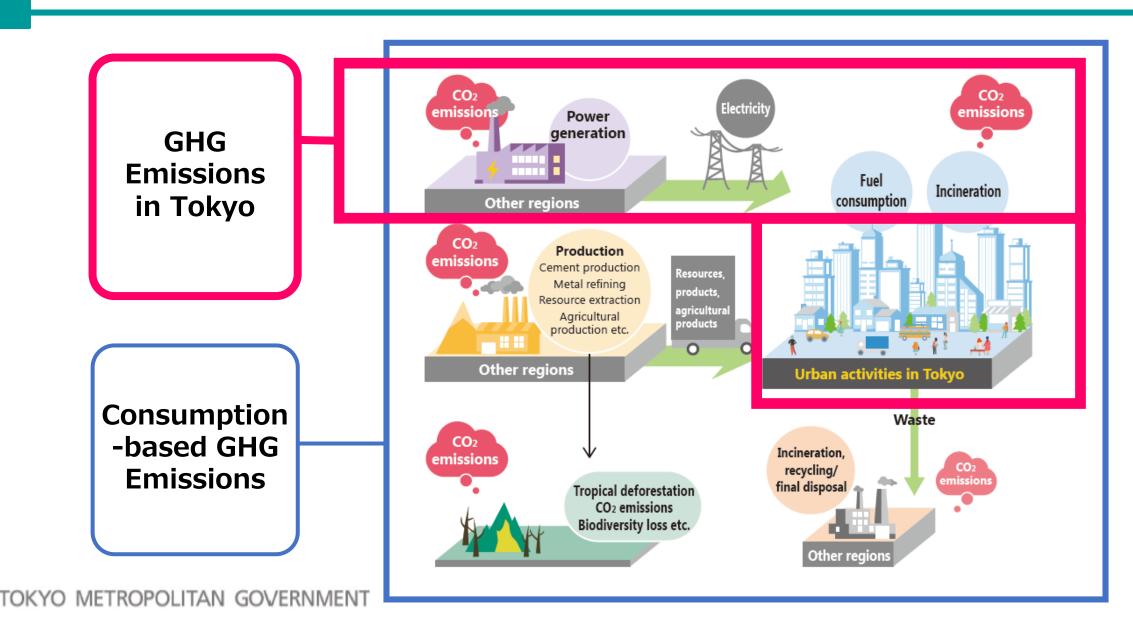
Yuriko Koike, Governor of Tokyo



2030 GOALS



CO2 Resulting from Urban Activities

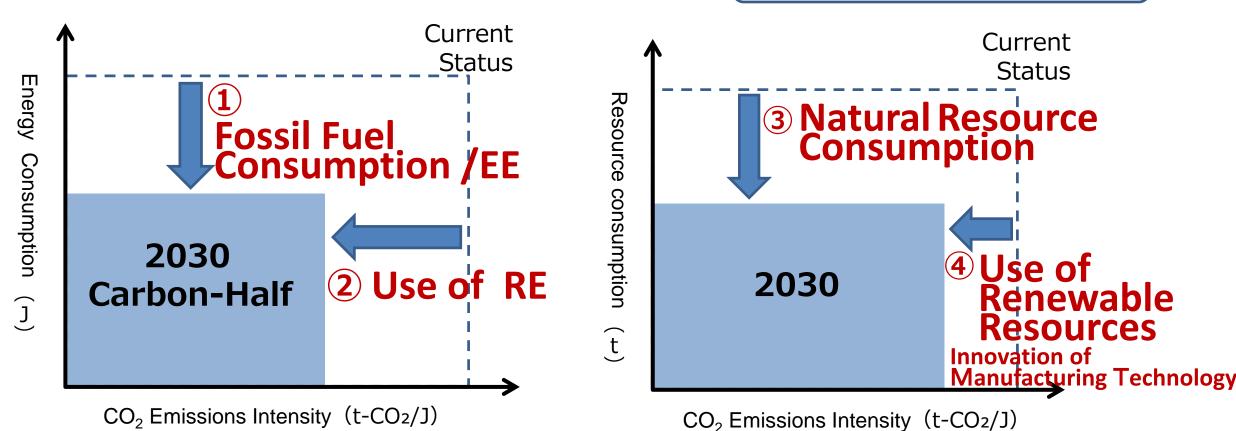


Basic Concept of "2030 Carbon-Half"

✓ Now until 2030 : Crucial period for establishing the building blocks needed to achieve significant reductions from 2030 to 2050

Reduce GHG emissions in Tokyo

Contribute to reducing GHG emissions in other regions



What the Russian-Ukrainian Crisis Reveals

Tokyo: Area of high resource and energy consumption



Energy saving
(High heat insulation,
High efficiency equipment)

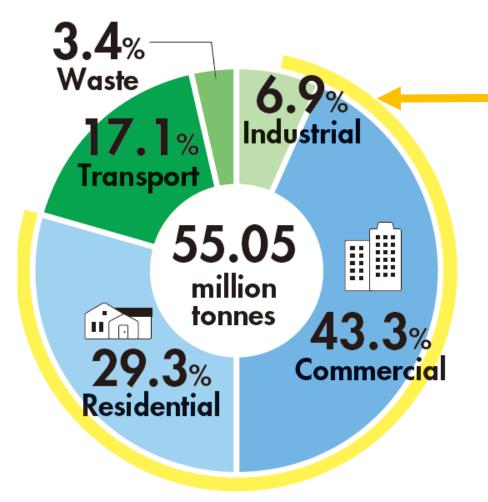
Renewable energy utilization



Advancing both decarbonization and energy security



CO2 Emissions in Tokyo

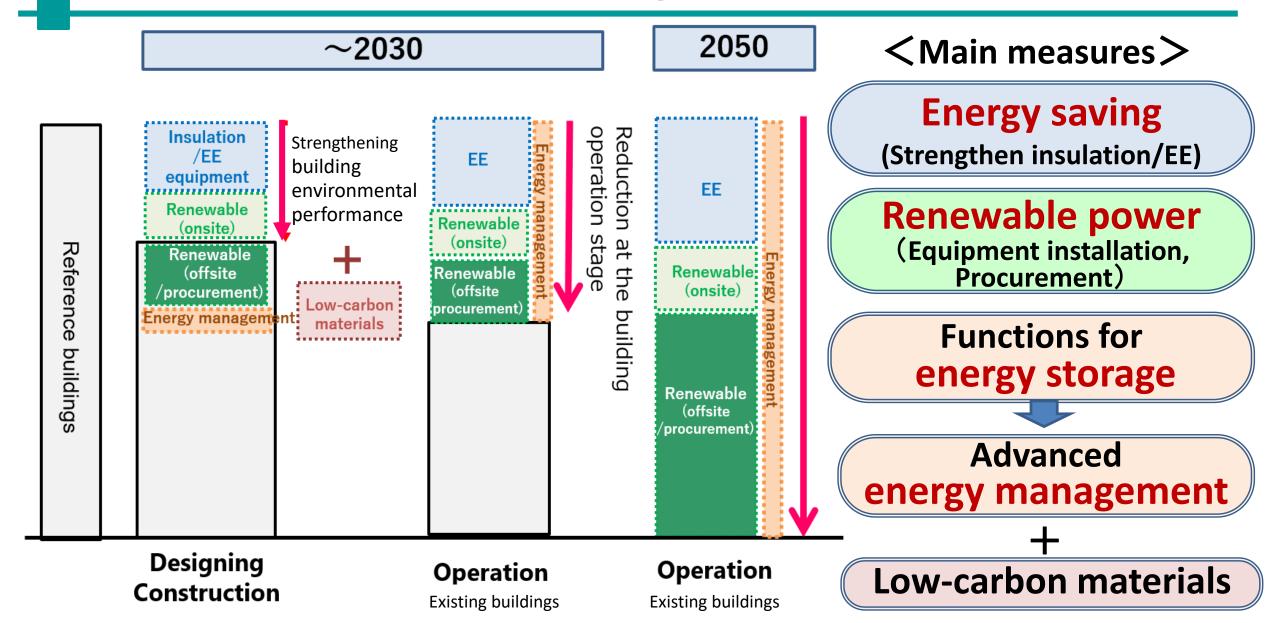


Sectoral breakdown of energy-related CO₂ emissions in Tokyo (FY 2019)

Buildings account for approx. 70%

- ✓ Buildings shape the city
- ✓ Expanding zero emission buildings is a common goal of cities around the world

Policy Direction of Building Measures



Strengthening Each Programs for Buildings by the Tokyo Metropolitan Environmental Security Ordinance

Existing Building **New** Building Large **Update Update** High heat insulation **Tokyo Energy Efficiency** / High EE equipment Green Cap & Trade RE(PVs, etc) equipment **Building Program** RE(PVs, etc) equipment ~Mandatory /RE Power procurement **Program Energy** storage (Installation CO2 reduction~ preparation of charger) 2,00<mark>0m</mark> ↑ New **Update** 2,00<mark>0m</mark> ↓ Carbon New High heat insulation

Medium &small

program for mainly residential houses

/ High EE equipment RE(PVs, etc) equipment **Energy storage** (Installation preparation of charger)

Reduction Reporting **Program** for **SMEs**

Energy Efficiency RE(PVs, etc) equipment

/RE Power procurement

District

District Plan for EE Program

Towards creating the zero-emission district

Update

RE

Energy storage and advanced energy management 8

Objective of Amending the Tokyo Ordinance for Buildings

✓ Early updating of social infrastructure in Tokyo towards decarbonized city, in the wake of two crises

Reduce energy consumption

Generate power, Store and USE power

Building (incl. house)

District
(ex, creating the zeroemission district)



