



TOKYO

ZERO EMISSION

A Sustainability and Resilience Strategy pursuing 1.5°C

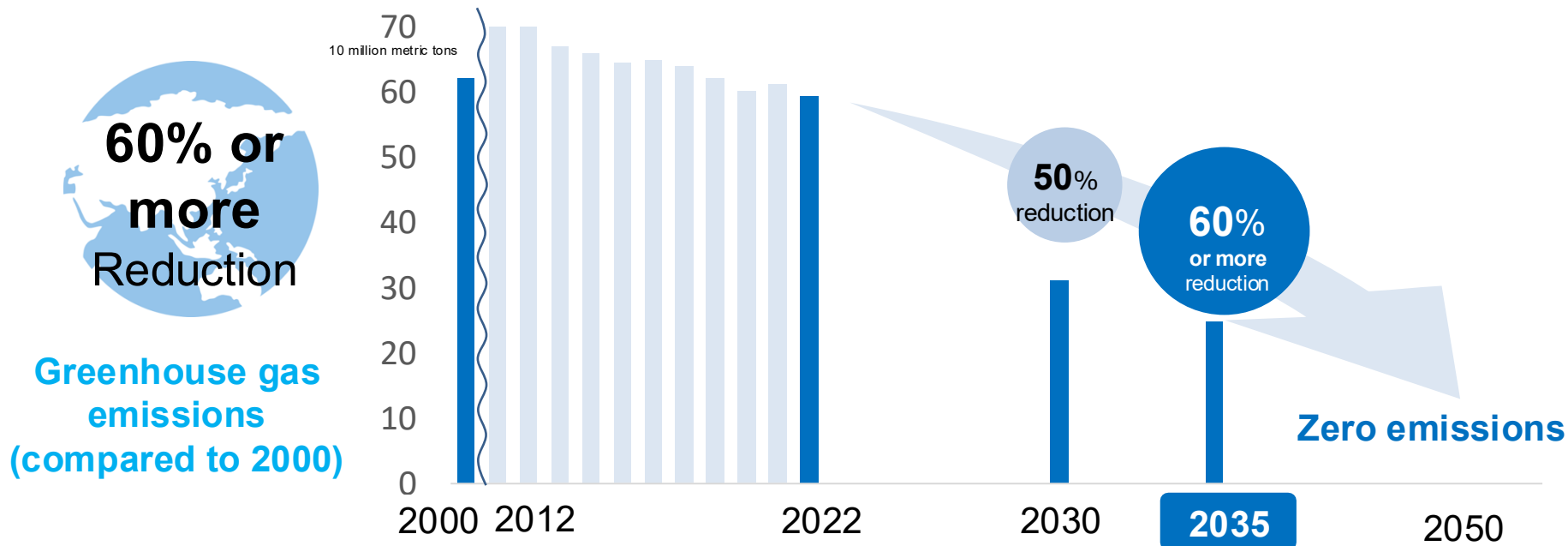
The Tokyo Metropolitan Government declares its commitment to achieving Zero Emission Tokyo by 2050, contributing to net-zero CO₂ emissions.

Overview of the Programs of the Industrial and Energy Policy Department

1. Tokyo Metropolitan Government's Key Goals

Setting a 2035 Target as a Roadmap Beyond “Carbon Half”

- Reduce greenhouse gas emissions by **50%** by 2030 compared to 2000 levels, and **60 percent or more** by 2035
- As a major energy consumer, Tokyo is taking further steps to reduce energy consumption, while also taking into account internationally expected standards.*



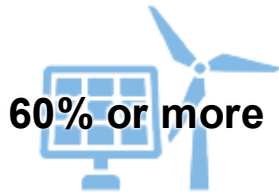
2. Targets for 2035

Energy Conservation and Renewable Energy Sectors



50% or more
Reduction

Energy
consumption
(compared to
2000)



60% or more

Share of Electricity from
Renewable Energy



4 million kW

Solar Power Generation
Capacity
Installed Capacity



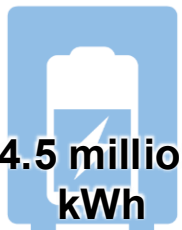
Approx. 1 GW

Air Solar
Installed Capacity



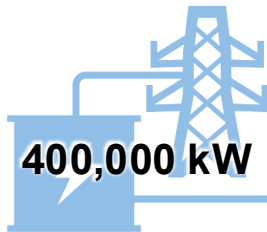
**1 GW or
more**

Offshore Wind Power
Installed Capacity



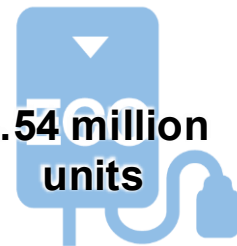
**4.5 million
kWh**

Residential
Battery Storage
Installed Capacity



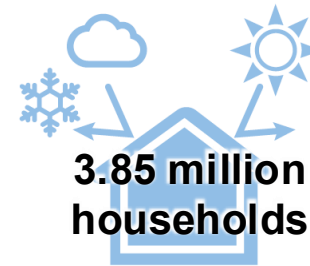
400,000 kW

Grid-connected
storage batteries
Installed
Capacity(TEPCO
Service Area)



**4.54 million
units**

Installation of high-
efficiency water heaters



**3.85 million
households**

Thermal Insulation
Renovations



**10,000
companies**

Introduction of
Energy-Efficient
Equipment at SMEs
and Other
Businesses

2. Targets for 2035

Mobility Sector

Passenger cars: 100%
Motorcycles: 100%

Non-Gasoline
Vehicles as
a Share of New
Vehicle Sales



Number of EV buses
introduced



EV trucks
Number of units
introduced



Public Use
Fast-charging
stations



EV Charging
Facilities for
Apartment
Buildings

Establishment of a Supply
System Including
Overseas
Sources



Number of fuel
cell commercial
vehicles in service



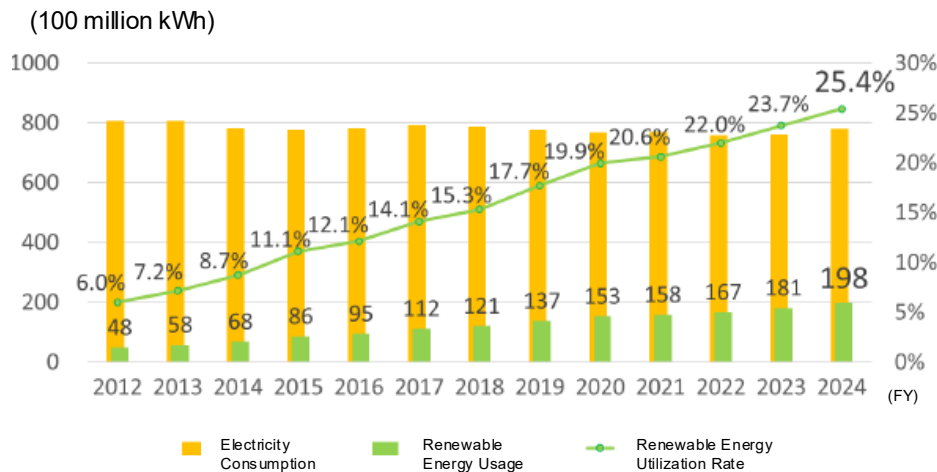
Hydrogen Refueling
Stations
for Commercial
Vehicles



3. ① Promotion of renewable energy

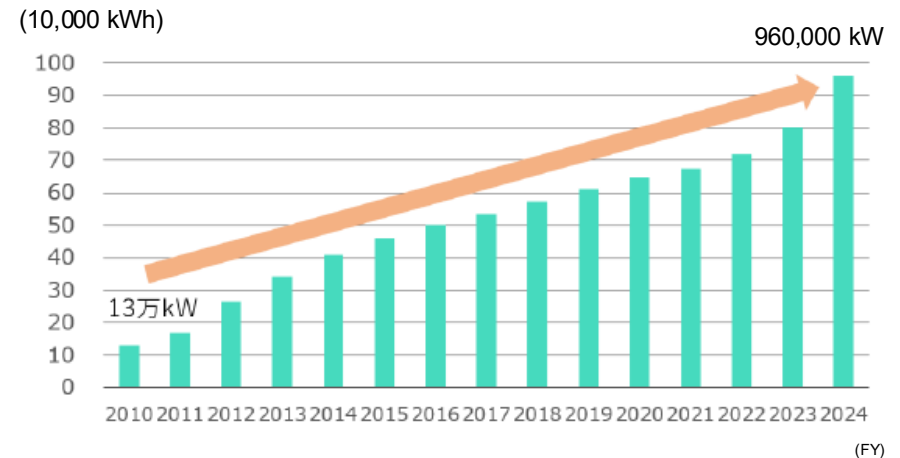
■ Status of Renewable Energy Electricity Use in Tokyo

- In FY2024, the share of electricity from renewable energy in Tokyo reached **25.4%** and has continued to increase year by year.



■ Status of Installed Solar Power Capacity in Tokyo

- In FY2024, installed solar power capacity in Tokyo reached **960,000 kW**, a significant increase of 160,000 kW from the previous fiscal year.



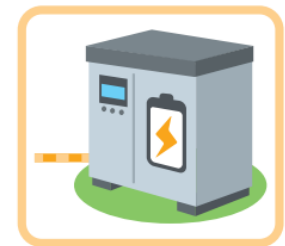
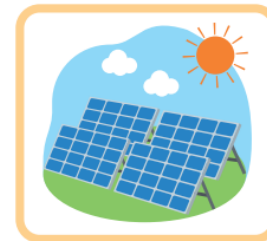
3. ① Promotion of renewable energy

■ Project to Promote the Installation of Locally Produced and Consumed Renewable Energy and Energy Storage Facilities

Provides partial subsidies to businesses that install **locally generated and consumed renewable energy facilities and energy storage batteries** within Tokyo or outside Tokyo (within the Tokyo Electric Power Company service area)

● Eligible Projects (Examples)

- Renewable energy power generation facilities
Solar power, wind power, small-scale hydropower, geothermal power, biomass power, battery storage, etc.
- Renewable energy thermal utilization facilities
Solar thermal, geothermal, thermal energy from temperature differences, biomass heat, etc.



● Eligible Equipment, Subsidy Rate, and Subsidy Amount (Small and Medium-Sized Enterprises)

- ① Renewable energy power generation equipment: 2/3; battery storage systems installed simultaneously: 3/4 (up to ¥200 million)
- ② Agrivoltaics, biomass power generation, and solar carports: 3/4 (up to ¥200 million)
- ③ Renewable Energy Heat Utilization Equipment: 3/4 (maximum of ¥200 million)
- ④ Stand-alone battery storage systems: 3/4 (maximum ¥9 million)

Installation Results (as of the end of April 2026)

- Solar power: 84,331 kW (equivalent to approx. 21,000 households)
- Battery storage: 22,383 kWh (equivalent to approx. 1,800 households)

3. ② Promotion of Hydrogen Energy

■ Development of the Tokyo Metropolitan Keihinjima Green Hydrogen Plant

Initiatives to **Produce Hydrogen Locally** in Tokyo

- ✓ Developed on Tokyo Metropolitan Government-owned land in **Keihinjima, Ota City**
- ✓ One water electrolyzer began operation in October 2025.
 - ※ Produces up to 120 Nm³ of green hydrogen per hour
 - ※ Uses CO₂-free electricity generated by hydroelectric power plants in Yamanashi Prefecture
 - ※ Plans to **operate all three units** in the future



■ Accelerating the Development of Hydrogen Stations

Establishing a Supply System to Promote the Use of **Hydrogen Energy**

- ✓ Providing subsidies for a portion of **construction and operating costs**
Up to ¥1 billion for hydrogen station construction costs, etc.
- ✓ Plans to develop hydrogen refueling stations on Tokyo Metropolitan Government-owned land, including **stations for heavy-duty fuel cell trucks and stations using green hydrogen**



Installations to Date (as of April 2026)
[Hydrogen Refueling Stations for Commercial Vehicles] **29 stations**

Deployment Across a Diverse Range of Mobility Applications



Fuel Cell Vehicles (FCVs)
© Toyota Motor Corporation



Fuel Cell Bus (Bureau of
Transportation, TMG)



Light-Duty Fuel
Cell Truck



Heavy-Duty Fuel Cell
Truck

TOKYO H2 Project

- ✓ September 2025: Japan's first large-scale deployment of fuel cell taxis began
- ✓ Starting with commercial vehicles, build momentum and accelerate public-private initiatives to expand the use of hydrogen across a wide range of sectors



Fuel Cell Taxi Launch Ceremony

*1 The maximum additional subsidy amounts for light-duty and heavy-duty FC trucks include the basic subsidy.

*2 At least five vehicles if the deployment plan includes heavy-duty FC trucks, or at least 10 vehicles if it does not.

	① Basic Subsidy		② Supplemental Subsidy	
	Large Enterprises	SMEs	Large Enterprises and SMEs	Number of Eligible Vehicles
FC Bus	¥30 mil.		¥20 mil.	5 vehicles
FC Taxi	¥3.7 mil.		¥2.4 mil.	Large Enterprises: 5 vehicles SMEs: 3 vehicles
FC Light-duty Truck	¥13 mil.	¥26 mil.	¥34 mil.*1	Large Enterprises*2 5 vehicles / 10 vehicles SMEs: 3 vehicles
FC Heavy-duty Truck	¥56 mil.	¥96 mil.	¥115 mil.*1	
FC Hydrogen Engine Truck (Retrofit)	¥11 mil.		¥11 mil.	(Additional subsidy available only for hydrogen refueling station development)
FC Forklift	¥6.7 mil.		¥3.5 mil.	

Installations to Date (as of March 2026)

[FC Buses] approx. 150 units

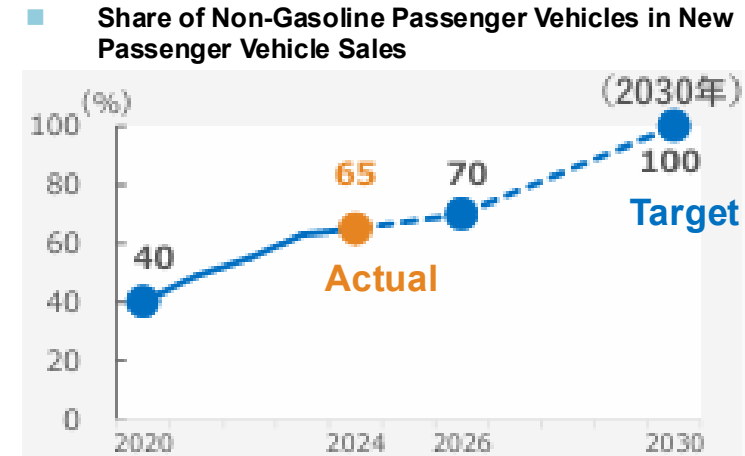
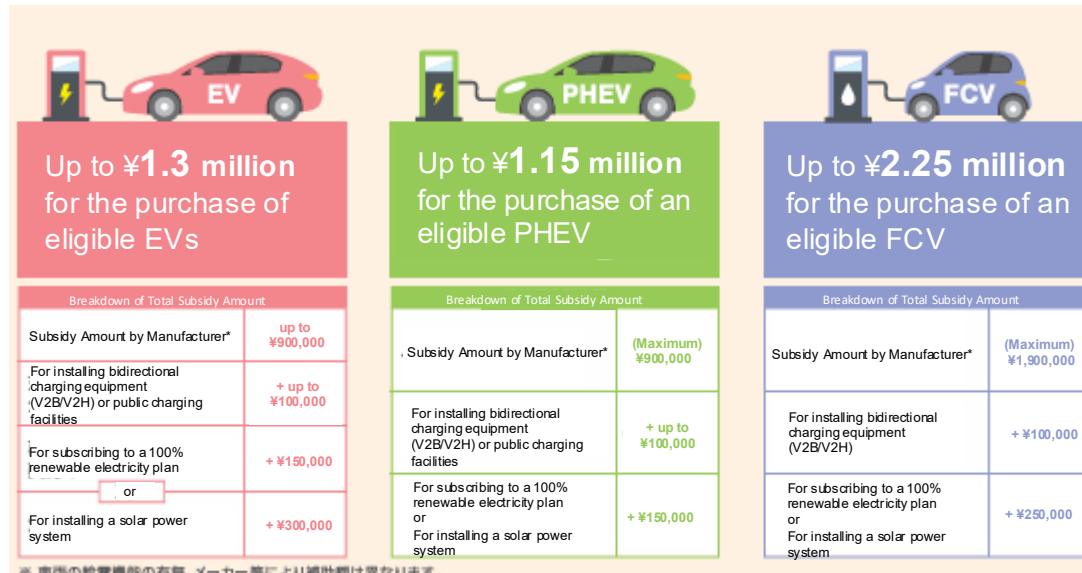
[FC Taxis] approx. 160 units

[FC Light Trucks] approx. 140 units

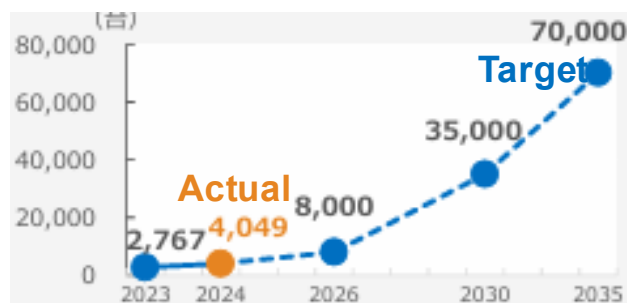
※ Deployment of heavy-duty FC trucks is planned.

3. ③ Promotion of ZEVs

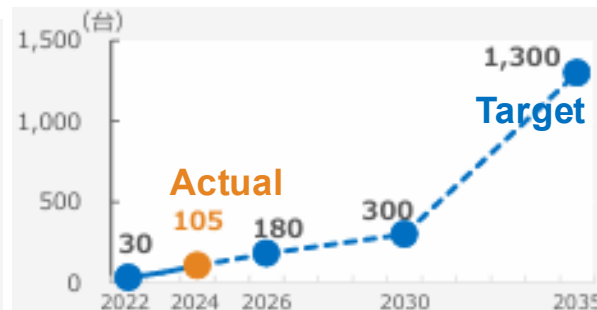
Subsidies are provided to businesses, individuals, and other entities with offices or other establishments in Tokyo for the purchase of ZEVs, external power supply devices, and other equipment.



■ Number of EV Trucks Sold



■ Number of EV Buses Sold



■ Number of public fast-charging stations installed



3. ④ Promotion of HTT Initiatives

To achieve a **decarbonized society** and **ensure a stable energy supply over the medium to long term**, Tokyo is strongly promoting HTT

(Ⓜ Herasu (Save), Ⓜ Tsukuru (Generate), and Ⓜ Tameru (Store) Electricity) initiatives.

■ HTT Initiative Promotion Declaration Companies

The TMG registers Tokyo-based companies engaged in HTT initiatives

- ✓ **Company names and details of their initiatives are featured on a dedicated website**
- ✓ Promoting HTT through initiatives in collaboration with companies



HTT Initiative Promotion Declaration
Company Registration Certificate

■ HTT Implementation Support Navigator

Initiatives to Increase the Uptake of HTT-Related Programs

- ✓ Visits to Potentially Interested Companies
- ✓ Seminars for Businesses on Decarbonization and Related Topics

H 電力を
へらす

Save Electricity
Reduce electricity consumption
by installing energy-efficient
equipment and implementing
energy-saving measures.

T 電力を
つくる

Generate Electricity
Build a self-sufficient power
system by introducing
renewable energy and on-site
power generation systems.

T 電力を
ためる

Store Electricity
Promote a shift in electricity
demand by supplying surplus
electricity from on-site power
generation systems.

Seminars (Examples)

- ✓ Decarbonization, Renewable Energy, Energy Storage
- ✓ Circular Economy, GX
- ✓ Business Continuity, Branding

Thank you for your attention

