

High Level Talks: A Review on Progress made for Smart, Zero Carbon and Climate-Resilient Cities in Malaysia and Japan

Tokyo Initiatives for Achieving Zero Emission City

TIME TO ACT

CLIMATE ACTION

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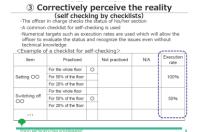














Building a Climate Movement

Tokyo / Kuala Lumpur

Global North and South collaboration to decarbonise the building sector

Possible measures for A/Cs

TOKYO TO KUALA LUMPUR

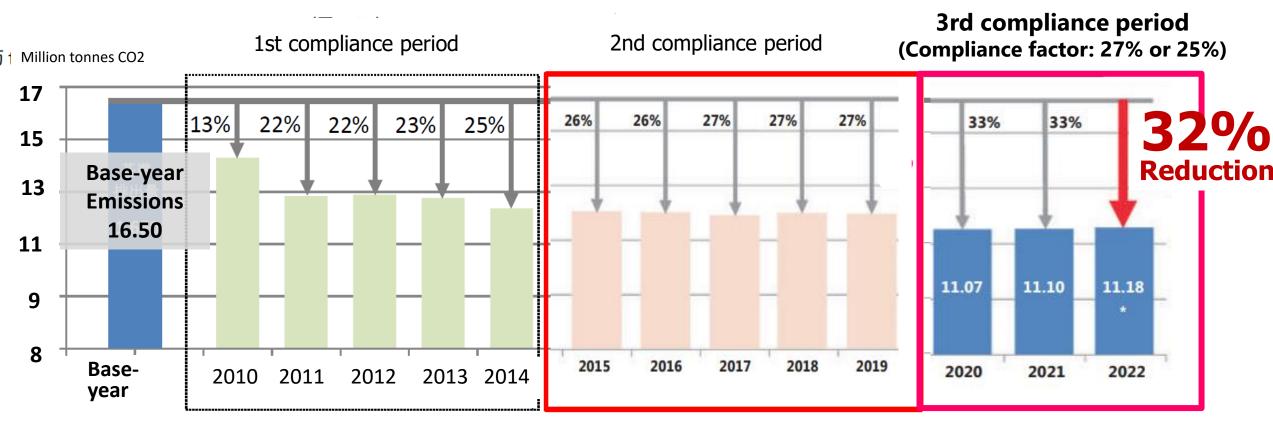






Tokyo Cap-and-Trade Program

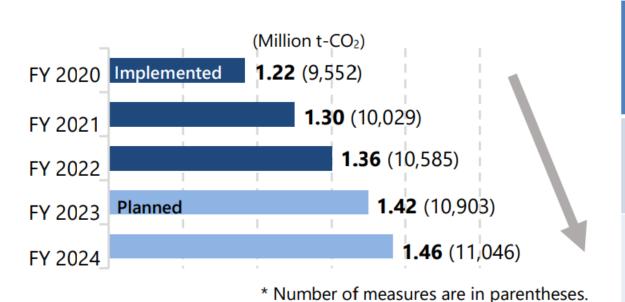
Mandatory CO2 reduction program
 for Large-sized Existing Buildings *Launched in 2010 by Tokyo ordinance





Tokyo Cap-and-Trade Program

Implementation and Planning of Measures



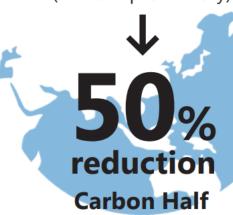
Top 3 Planned Measures

Measures	Estimated reduction (tonnes)
Installation of high-efficiency lighting and energy saving control	184,593
Installation of high-efficiency heat source equipment	143,704
Installation of high-efficiency air conditioning equipment	37,701

Tokyo

GHG emissions

4.4% reduction (FY 2022 preliminary)



GHG emissions compared to 2000

TOKYO METROPOLITAN GOVERNMENT

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

Strengthening Each Programs on Buildings
by Tokyo Ordinance

Develop New Program for houses

Mandatory Installation of Solar Panels

~Utilizing the Full Potential of Tokyo's Rooftops

Buildings with solar panel installation potential



2.25 million



Effective from April 2025

Pursuing The 1.5°C Target

1.5℃目標に向けて

Zero Emission Tokyo 2050年ゼロエミッション東京

2030 Achieving "Carbon Half" 2030年カーボンハーフ

Mandatory installation of solar panels

2025年太陽光設置義務化

Next-Generation Solar Cell Projects 次世代型ソーラーセル

The world's first private project, megawatt installation of next-generation solar cells on high-rise buildings

世界初の民間プロジェクト、高層ビルにメガワットの次世代太陽電池設置



Uchisaiwaicho 1-Chome District Development Project

東京2025年世界陸上の会場周辺に設置

To be installed around the venue of **World Athletics Championships Tokyo 25**

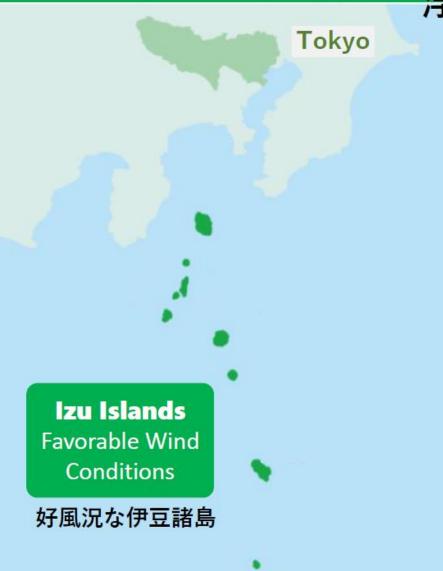




東京国際クルーズターミナルでの 実装検証

> **Ongoing pilot project** at Tokyo International **Cruise Terminal**

Floating Offshore Wind Projects 浮体式洋上風力



Aiming to install GW-class floating offshore wind farms in the Izu Islands

伊豆諸島において、浮体式洋上風力発電のGW級ファーム の導入を目指す



Contributing to Global Decarbonization

グローバルな脱炭素化への貢献

New Initiative:

Exporting Tokyo's decarbonization technologies overseas with a 20 billion yen investment (130 million USD)

新たな取組 200億円(1億3,000万ドル)を投じ、東京の脱炭素 技術を海外に輸出



TOKYO Resilience Project

TOKYO強靭化プロジェクト



調節池

防潮堤





Saitama-City





