

Creating a Sustainable City

Tokyo's initiative to install
solar power generation equipment on rooftops



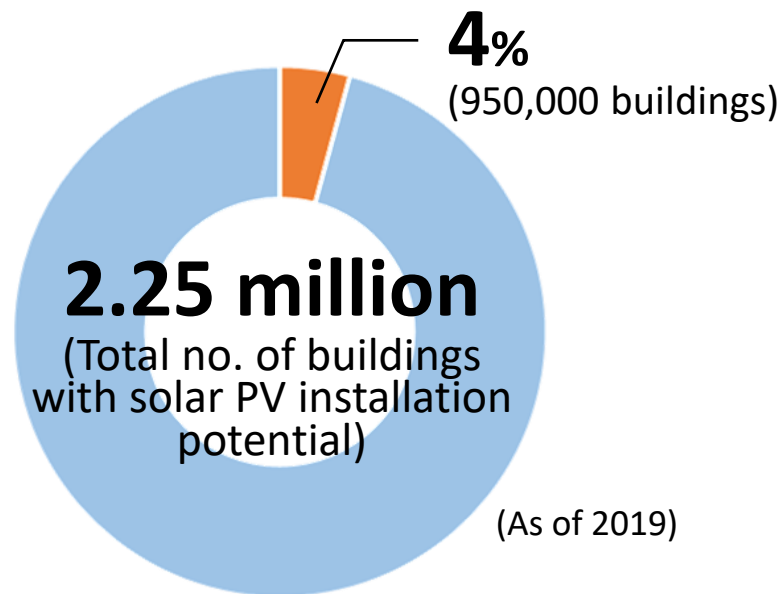
Tokyo
Metropolitan
Government

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Utilizing the Full Potential of Tokyo's Rooftops

- Currently the number of solar power generation equipment installed on residential rooftops is limited
- Sunlight conditions in Tokyo are reasonable. Although the available surface area is limited, we can promote renewable energy by making good use of our roofs
- It is important to make best use of available rooftop space in Tokyo

Percentage of buildings with solar power generation equipment installed in Tokyo



Tokyo's mandate for the installation of solar power generation equipment on new residential buildings will come into effect as of **April 2025**



Outline of the Installation Mandate

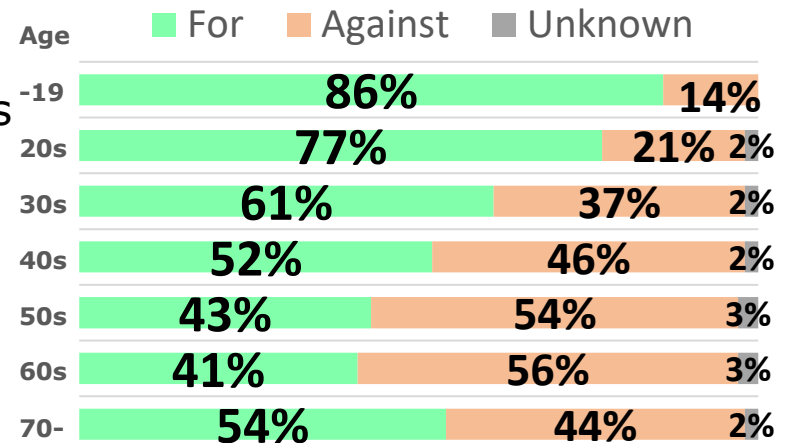
The TMG will promote the introduction of renewable energy facilities and energy conservation through the solar power mandate etc. and related subsidies while taking into consideration Tokyo's high concentration of offices and residences.

- Require major homebuilders* to install solar power generation equipment and ensure proper thermal insulation and high energy-saving performance on new buildings

* Those that supply a total floor area of 20,000m² or more annually in Tokyo

- Around half of the annual 46,000 new construction projects fall under the mandate's purview

- The initiative has high approval rates among younger generations



The benefits of installing solar power generation on homes

1 Eco-friendly

- An estimated 1 million kW worth of new solar panels will be installed on Tokyo residences by 2030.
- → **This will result in an approx. 430,000 ton reduction in annual CO2 emissions**
- Solar power generation is anticipated to increase by about 700,000 kW in new residences due to this mandate
- Solar power generation in existing buildings is expected to increase by 300,000 kW due to the growing interest of Tokyo residents and increased support measures.



The benefits of installing solar power generation on residences

2 Financial benefit

When 4kW solar panels are installed in a detached house with monthly electricity bills of about 10,000 yen

→The installation costs, approx. 980,000 yen, can be **recovered in about six years** by utilizing the income from electricity sales and subsidies (100,000 yen/kW)

3 Disaster preparedness

The city's disaster preparedness is enhanced since solar power can **still be used in the event of a power outage.**

※Tokyo will become a leading example for other municipalities and there will be an increase in solar power generation in Japan as a whole



Toward a Zero Emission Tokyo

Achieving “Carbon Half”

Installation Mandate
for Solar Panels



2025

2030

2050



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