

Announcement of Results of Allocating Funds to Projects Eligible for Proceeds from the Tokyo Green and Blue Bonds Issued in FY2024

The Tokyo Metropolitan Government announces the results of allocating proceeds from the Tokyo Green and Blue Bonds issued in FY2024 (total of JPY 20.516 billion*).

* The total allocated amount is the sum of the yen-denominated issuance (JPY 10 billion) and the foreign currency-denominated issuance (issued to be equivalent to JPY 10 billion) that is converted at the currency exchange rate applied at the time of pricing (JPY 10.516 billion).

1. Projects Financed

No	Environmental Project Category (see Appendix)	Project	Allocated amount* ¹ (millions of yen)	Environmental impact* ²
Green Projects				
1	1. Realization of zero emissions through decarbonization of energy systems and the sustainable use of resources	Renovation and repair of metropolitan facilities	4,865	✓ Anticipated power generation by installed PV systems: <u>6,693,199</u> kWh (annual total)
	2. Realization of a prosperous society in harmony with nature that continues to benefit from ecosystem services		823	✓ Area of developed green spaces: 3,625.52 m ²
2	1. Realization of zero emissions through decarbonization of energy systems and the sustainable use of resources	Installation of LED lighting in metropolitan facilities and on roads	806	✓ Reduction in energy consumption: <u>6,408,226</u> kWh (annual total)

No	Environmental Project Category (see Appendix)	Project	Allocated amount* ¹ (millions of yen)	Environmental impact* ²
3	1. Realization of zero emissions through decarbonization of energy systems and the sustainable use of resources	Environmental improvements at Tokyo metropolitan schools (promotion of zero-emissions initiatives)	364	✓ Anticipated power generation by installed PV systems: 951,679 kWh (annual total) ✓ Reduction in energy consumption: 2,794,440 kWh (annual total)
4		Installation of storage batteries for the use of renewable energy	189	✓ Storage battery output: 750 kW
5		Development of cycling routes and bicycle lanes	6	✓ Length completed – Cycling routes: 11.5 km (by the end of FY2024) – Bicycle lanes: 50.7 km (by the end of FY2030)
6		Development of storm surge protection structures	240	✓ Length completed – Seawalls: 0.1 km
7		Development of structures to protect against sediment disasters and protect shorelines	451.6 (400)	✓ Number of structures developed – Sabo (erosion and sediment control) structures: <u>40</u> – Coastal protection structures: <u>2</u> – Structures to prevent the collapse of steep slopes: <u>12</u>
8		Development of coastal protection structures for the Port of Tokyo and the Tokyo islands	800 (802)	✓ Scale of development / Number of structures developed – Seawalls or revetments (Port of Tokyo): <u>61.2</u> km – Floodgates (Port of Tokyo): 15 – Canal revetments (Port of Tokyo): 47.9 km – Drainage pump stations (Port of Tokyo): 2 (all by the end of FY2031) – Coastal protection structures (Izu Islands): 0.1 km (by the end of FY2024)

No	Environmental Project Category (see Appendix)	Project	Allocated amount* ¹ (millions of yen)	Environmental impact* ²
9	1. Realization of zero emissions through decarbonization of energy systems and the sustainable use of resources	Adoption of zero emission vehicles (ZEVs)	20	✓ Reduction in CO ₂ emissions, etc. by replacing conventional vehicles with ZEVs <ul style="list-style-type: none"> – Plug-in hybrid vehicles (PHVs) CO₂ (carbon dioxide): 25.6% – Electric motorcycles NO_x (nitrogen oxides): 100% CO (carbon monoxide): 100% HC (hydrocarbons): 100%
10		Measures to turn metropolitan facilities into zero emission buildings (ZEBs)	144	✓ Reduction in energy consumption: <u>799,974</u> kWh
11		Decarbonization of water supply facilities	220	✓ Anticipated annual power generation: 497,844 kWh
12		Energy conservation and global warming mitigation in sewerage services	2,417	✓ Reduction of GHG emissions (capacity): 33,000 t-CO ₂ / 5 years (by the end of FY2025)
13		Improvement of combined sewer systems	241	✓ Capacity of storage facilities, etc.: 1.75 million m ³ (by the end of FY2025)
14		Flood countermeasures	342	✓ Sewer system flooding resolution rate in 50 mm/h rain: 73% (by the end of FY2025)
15	2. Realization of a prosperous society in harmony with nature that continues to benefit from ecosystem services	Marine park development (Umi-no-Mori park)	320	✓ Developed land area of Umi-no-Mori Park (Forest Creation Area): approx. 60 ha

No	Environmental Project Category (see Appendix)	Project	Allocated amount* ¹ (millions of yen)	Environmental impact* ²
16	3. Realization of a better urban environment that ensures the safety and health of Tokyo residents	Restoration of water quality in sections of the outer moat	15	✓ Surface area of restored water: 8.3 ha (by the mid-2030s)
17		Introduction of eco-friendly buses to the Toei bus fleet	1,600	✓ Reduction in emissions of regulated substances – NO _x (nitrogen oxides): 80% – PM (particulate matter): 63%
Blue Project				
18	2. Realization of a prosperous society in harmony with nature that continues to benefit from ecosystem services	Development of a blue carbon ecosystem at the Port of Tokyo	25 (23)	✓ Area of created seaweed and seagrass beds: 130 m ² (annual total)
Total			13,888.6	

*1 The “Allocated amounts” are the FY2024 settled amounts, determined after comprehensive consideration of project implementation and other situations. For projects where the final allocation of funds has increased or decreased from the amount expected to be allocated at the time of the “Announcement of the decision on projects to be allocated proceeds from the Tokyo Green and Blue Bonds to be issued in FY2024” dated September 2, 2024 (hereinafter referred to as “Announcement of Projects”), the original amount is indicated in parentheses.

*2 The “Environmental Impact” refers to the effects achieved or expected to be achieved as of the end of FY2024 through the implementation of a project. When there have been changes in the final figures or other results from those projected in the “Announcement of Projects,” such changes are highlighted with an underline.

2. Projects Refinanced from FY2019 Tokyo Green Bonds

No	Environmental Project Category (see Appendix)	Project	Environmental impact* ¹	Age of asset	Authorized remaining bond redemption years * ²	Refinanced amount (millions of yen)
1	1. Realization of zero emissions through decarbonization of energy systems and the sustainable use of resources	Renovation and repair of metropolitan facilities	✓ Anticipated power generation by installed PV systems: 568,387 kWh (annual total)	5 years	25 years* ³	1,422
	2. Realization of a prosperous society in harmony with nature that continues to benefit from ecosystem services		✓ Area of developed green spaces: 4,513 m ²			1,446
2	1. Realization of zero emissions through decarbonization of energy systems and the sustainable use of resources	Installation of LED lighting in metropolitan facilities and on roads	✓ Reduction in energy consumption: 6,856,946 kWh (annual total)	5 years	10 years* ³	1,677
3		Development of cycling routes and bicycle lanes	✓ Length completed – Cycling routes: 7.5 km – Bicycle lanes: 15.7 km (both completed in FY2020)	5 years	5 years	260
4		Development of storm surge protection structures	✓ Length completed – Seawalls: 0.17 km – Revetments: 0.15 km	5 years	25 years	346

No	Environmental Project Category (see Appendix)	Project	Environmental impact*1	Age of asset	Authorized remaining bond redemption years *2	Refinanced amount (millions of yen)
5	1. Realization of zero emissions through decarbonization of energy systems and the sustainable use of resources	Development of coastal protection structures for the Port of Tokyo and the Tokyo islands	✓ Scale of development / Number of structures developed – Seawalls or revetments (Port of Tokyo): 60.3 km – Floodgates (Port of Tokyo): 17 (both completed in FY2019) – Canal revetments (Port of Tokyo): 45.6 km – Drainage pump stations (Port of Tokyo): 4 (both completed in FY2021) – Submerged breakwater (off the coast of Kozushima Port): 0.3 km (completed in FY2019)	5 years	25 years	952
6	1. Realization of zero emissions through decarbonization of energy systems and the sustainable use of resources	Decarbonization of water supply facilities*4	✓ Reduction in energy consumption: 2,200,000 kWh (annual total)	5 years	25 years	60
Total						6,163

*1 The “Environmental Impact” refers to the effects achieved or expected to be achieved as of the end of FY2019 through the implementation of a project.

*2 The “Authorized remaining bond redemption years” is obtained by subtracting the age of the asset from either the maximum years for bond redemption (within the years of useful life of the public or official facility which is planned to be built using the funds procured from this local government bond) submitted to and approved by the Ministry of Internal Affairs and Communications at the time of the issuance of the local government bond, or the redemption period determined within that range.

*3 Since the useful life of the assets differs by the allocated project, the authorized remaining bond redemption years listed for "Renovation and repair of metropolitan facilities" and "Installation of LED lighting in metropolitan facilities and on roads" represent the duration of the project with the largest amount allocated.

*4 Part of the project to promote energy conservation in water and sewerage facilities financed by FY 2019 Tokyo Green Bonds.

Appendix: Environmental Project Categories of Tokyo Green and Blue Bonds

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Appendix

Environmental Project Categories of Tokyo Green and Blue Bonds

Listed below are environmental project categories based on the Tokyo Environmental Master Plan (September 2022), examples of eligible projects for Tokyo Green and Blue Bonds by category, and expected environmental impact.

No.	Environmental Project Category	Eligible Project Examples	Expected Environmental Impact
1	Realization of zero emissions through decarbonization of energy systems and the sustainable use of resources	<ul style="list-style-type: none"> ■ Reduce the greenhouse gas emissions of office buildings ■ Promote energy conservation and management ■ Promote the use of zero emission vehicles ■ Adopt next-generation transportation and promote bicycle use ■ Increase the usage rate of renewable energy sources such as solar, geothermal, sewer heat, and hydrogen energies. ■ Reduce resource loss and increase the use of eco-friendly materials ■ Promote the 3 Rs (reduce, reuse, and recycle) for the recycling of waste ■ Increase the utilization of materials that help reduce negative environmental impacts ■ Implement adaptation measures for rising temperatures in urban areas ■ Implement measures for floods and natural disasters ■ Improve roads (measures for heat reflection and water retention) ■ Reduce water pollution and conserve groundwater 	<ul style="list-style-type: none"> ■ Reduction of CO₂ emissions ■ Reduction in energy consumption ■ Increase in use of renewable energy sources ■ Reduction of waste generation ■ Increase in recycled waste ■ Enhanced ability to adapt to rising temperatures ■ Enhanced ability to respond to natural disasters such as floods and tsunamis ■ Enhanced heat reflective and water retentive properties of roads ■ Improvement of water quality
2	Realization of a prosperous society in harmony with nature that continues to benefit from ecosystem services	<ul style="list-style-type: none"> ■ Create and protect green spaces (e.g., park development, urban greening, and forest development) ■ Conserve biodiversity (e.g., tidal flat development in marine parks) 	<ul style="list-style-type: none"> ■ Increase in green land area ■ Increase in land area developed
3	Realization of a better urban environment that ensures the safety and health of Tokyo residents	<ul style="list-style-type: none"> ■ Reduce air pollution ■ Promote soil contamination countermeasures ■ Promote treatment of hazardous waste, etc. 	<ul style="list-style-type: none"> ■ Improvement of air/soil quality ■ Reduction of CO₂ emissions ■ Increase in recycled waste