

October 2, 2023
Bureau of Finance

Announcement of Results of Allocating Funds to Projects Eligible for Proceeds from the
Tokyo Green Bonds in FY 2022

The Tokyo Metropolitan Government is announcing the results of allocating proceeds from the Tokyo Green Bonds in FY 2022 as below (total of 40.086billion yen)

No	Project Name	Tokyo Green Bond Environmental Category (See attachment)	Amount appropriated (millions of yen)*1	Expected environmental impact*2
1	Rebuilding and repairing of facilities (Installation of solar power generation equipment and greening maintenance)	1.Smart Energy & Urban Development	<u>11,840</u> (12,908)	✓ Increase use of renewable energy (annual total) <u>3,268,386</u> kWh
		3.Natural Environment Conservation	<u>2,606</u> (1,690)	✓ Expand green areas <u>3,759.37</u> m ²
2	Installation of LEDs for facilities and roads	1.Smart Energy & Urban Development	1,684	✓ Reduce energy consumption (annual total) <u>4,267.043</u> kWh
3	Development of cycling routes and areas	1.Smart Energy & Urban Development	<u>90</u> (120)	✓ Develop and extend length - Cycling routes 11.5 km (by the end of FY2024) - Cycling areas <u>50.7</u> km (by the end of FY2030)
4	Installation of charging infrastructure for zero-emission vehicle (ZEV)	1.Smart Energy & Urban Development	<u>10</u> (33)	✓ Number of charging devices installed <u>79</u> ✓ CO ₂ emissions reduction rate, etc. by replacing conventional vehicles with ZEV in conjunction with the introduction of charging facilities CO ₂ (carbon dioxide) 100% NO _x (nitrogen oxides) 100%

No	Project Name	Tokyo Green Bond Environmental Category (See attachment)	Amount appropriated (millions of yen)*1	Expected environmental impact*2
5	Purchase of zero-emission vehicles (ZEV)	1.Smart Energy & Urban Development	70	<ul style="list-style-type: none"> ✓ CO₂ emissions reduction rate, etc. by replacing conventional vehicles with ZEV - PHEV CO₂ (carbon dioxide) <u>26.9%</u> - EV Motorcycle NO_x (nitrogen oxides) 100% CO (carbon monoxide) 100% HC (hydrocarbons) 100%
6	Energy conservation within water facilities	1.Smart Energy & Urban Development	585	<ul style="list-style-type: none"> ✓ Reduce energy consumption (annual total) 1,388,491kWh
7	Energy conservation and global warming prevention within sewage facilities	1.Smart Energy & Urban Development	1,780	<ul style="list-style-type: none"> ✓ Reduce GHG emissions (capacity) 33,000 t-CO₂/5 years (by the end of FY2025)
8	Development of parks	3.Natural Environment Conservation	1,540	<ul style="list-style-type: none"> ✓ Expand developed areas 32,000 m²
9	Greening along waterfronts	3.Natural Environment Conservation	200	<ul style="list-style-type: none"> ✓ Expand developed areas <u>5,711</u> m²
10	Development of the marine park	3.Natural Environment Conservation	<u>150</u> (300)	<ul style="list-style-type: none"> ✓ Expand developed areas Umi-no-Mori Park (Forest Creation Area) 58 ha (by the end of FY2024)
11	Heat island countermeasures (heat insulation and water absorption)	4.Improvement of Living Environment	<u>1,386</u> (1,300)	<ul style="list-style-type: none"> ✓ Develop and extend length of heat insulation and water absorption <u>10.0</u> km
12	Use of environment friendly metropolitan buses	4.Improvement of Living Environment	1,900	<ul style="list-style-type: none"> ✓ Reduction of the emission of regulated substances - NO_x (nitrogen oxides) 80% - PM (particulate matter) 63%

No	Project Name	Tokyo Green Bond Environmental Category (See attachment)	Amount appropriated (millions of yen)*1	Expected environmental impact*2
13	Improvement of centralized sewerage system	4.Improvement of Living Environment	170	<ul style="list-style-type: none"> ✓ Capacity of storage facility 1.75 million m³ ✓ (by the end of FY2025)
14	Development of small and medium-sized rivers	5.Adaptation for Climate Change	<u>11,705</u> (11,000)	<ul style="list-style-type: none"> ✓ <u>68.2%</u> completion of river development ✓ Capacity of regulating reservoir 1,056,500 m³ (by the end of FY2025)
15	Development of tidal wave protection facilities	5.Adaptation for Climate Change	<u>320</u> (670)	<ul style="list-style-type: none"> ✓ Develop and extend length - Levee 0.01Km (by the end of FY2023)
16	Development of Tokyo port facilities and islands' coastal protection facilities	5.Adaptation for Climate Change	3,100	<ul style="list-style-type: none"> ✓ Expand development scale and number of facilities - Levee in Tokyo port area <u>58.1</u> km - Water gates in Tokyo port area 15 facilities - Internal revetment in Tokyo port area <u>37.6</u> km - Drainage pump station in Tokyo port area 4 facilities - Coastal protection facilities in the Izu Islands 0.2 km
17	Flood countermeasures	5.Adaptation for Climate Change	950	<ul style="list-style-type: none"> ✓ Drainage system flooding caused by 50 mm/h rain avoidance rate 73% (by the end of FY2025)
Total*3			<u>40,086</u>	

*1 The financial allocation results are the settled amount for FY2022. The projects whose amount of allocation altered from the planned allocation amount published in “Announcement of Decision Regarding Target Projects for the Tokyo Green Bonds in FY2022” published on September 2, 2022 (hereafter “Announcement of Target Projects for the Tokyo Green Bonds”) are in parentheses.

*2 Environmental impact refers to the positive impact on the environment yielded by the end of FY2022 or expected to be yielded. The impacts illustrated with the underline are the impacts that are altered from “Announcement of Target Projects for the Tokyo Green Bonds”.

*3 The total amount of allocation results is the sum of the issuance (30 billion yen) in yen and the issuance (issued to be equivalent to 10 billion yen) in foreign currency that is converted with the currency exchange rate (10.086 billion yen) at the time when the issuance condition is designated.

Attachment: Tokyo Green Bond Environmental Categories

Inquiries

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Tokyo Green Bond Environmental Categories

Below are the environmental categories from the Tokyo Environmental Master Plan (March 2016), example Tokyo Green Bond target projects, and expected environmental impacts.

No.	Environmental Category	Project examples	Expected Environmental Impact
1	Smart Energy & Urban Development	<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 ■ Promote advanced transportation technology and the use of bicycles ■ Increase the utilization of renewable energy sources such as solar, geothermal, hydrogen, sewerage heat, etc. 	<ul style="list-style-type: none"> ■ Reduce CO₂ emissions ■ Reduce energy consumption ■ Increase renewable energy use
2	Sustainable Resource & Waste Management	<ul style="list-style-type: none"> ■ Reduce resource loss and increase the use of environmentally friendly materials ■ The 3 Rs (reduce, reuse and recycle), Promote the recyclable use of waste ■ Increase the utilization of materials that reduce environmental burdens ■ Promote the treatment of hazardous waste 	<ul style="list-style-type: none"> ■ Reduce CO₂ emissions ■ Reduce amount of waste ■ Increase amount of recyclable waste
3	Conservation of the Natural Environment	<ul style="list-style-type: none"> ■ Plant and protect plants through the development of parks, street trees, forests, etc. ■ Conserve biological diversity (Develop tidelands in marine parks, etc.) 	<ul style="list-style-type: none"> ■ Expand green areas ■ Expand developed areas
4	Improvement of Living Environment	<ul style="list-style-type: none"> ■ Improve water quality and conserve groundwater ■ Improve air quality ■ Promote measures to prevent/remediate soil contamination ■ Road improvement (heat insulation and water absorption) 	<ul style="list-style-type: none"> ■ Improve air/water/soil quality ■ Improve heat insulation and water absorption

No.	Environmental Category	Project examples	Expected Environmental Impact
5	Adaptation for Climate Change	<ul style="list-style-type: none"> ■ Measures to counteract rising temperatures in urban areas ■ Measures addressing floods and natural disasters 	<ul style="list-style-type: none"> ■ Improve adaptability to rising temperatures ■ Improve adaptability to natural disasters such as floods, tsunamis, etc.