

September 2, 2022

Bureau of Finance

Announcement of Decision on Target Projects
for the Tokyo Green Bonds in FY2022

The Tokyo Metropolitan Government has announced its decisions regarding the appropriation of funds to projects eligible for the Tokyo Green Bonds to be issued in FY2022.

No.	Project	Tokyo Green Bond Environmental Category (See attachment)	Amount to be appropriated (millions of yen)	Expected environmental impact
1	Rebuilding and repairing of facilities (Installation of solar power generation equipment and greening maintenance)	1.Smart Energy & Urban Development	14,598	✓ Increase use of renewable energy (annual total) 6,999,935.92 kWh
		3.Natural Environment Conservation		✓ Expand green areas 3,858.61 m ²
2	Installation of LEDs for facilities and roads	1.Smart Energy & Urban Development	1,684	✓ Reduce energy consumption (annual total) 3,843,631 kWh
3	Development of cycling routes and areas	1.Smart Energy & Urban Development	120	✓ Develop and extend length – Cycling routes 11.5 km (by the end of FY2024) – Cycling areas 44.5 km (by the end of FY2030)

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4	Installation of charging infrastructure for zero-emission vehicle (ZEV)	1.Smart Energy & Urban Development	33	<ul style="list-style-type: none"> ✓ Number of charging devices installed 185 ✓ CO₂ emissions reduction rate, etc. by replacing conventional vehicles with ZEV in conjunction with the introduction of charging facilities CO₂ (carbon dioxide) 100% CO (carbon monoxide) 100% NO_x (nitrogen oxides) 100%
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) 20.1% - 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

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9	Greening along waterfronts	3.Natural Environment Conservation	200	✓ Expand developed areas 6,910 m ²
10	Development of the marine park	3.Natural Environment Conservation	300	✓ 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	1,300	✓ Develop and extend length of heat insulation and water absorption 13.406 km
12	Use of environment friendly metropolitan buses	4.Improvement of Living Environment	1,900	✓ Reduction of the emission of regulated substances - NO _x (nitrogen oxides) 80% - PM (particulate matter) 63%
13	Improvement of centralized sewerage system	4.Improvement of Living Environment	170	✓ Capacity of storage facility 1.75 million m ³ (by the end of FY2025)
14	Development of small and medium-sized rivers	5.Adaptation for Climate Change	11,000	✓ 68.5% completion of river development ✓ Capacity of regulating reservoir 1,056,500 m ³ (by the end of FY2025)
15	Development of tidal wave protection facilities	5.Adaptation for Climate Change	670	✓ Develop and extend length - Levee 0.01 km

No.	Project	Tokyo Green Bond Environmental Category (See attachment)	Amount to be appropriated (millions of yen)	Expected environmental impact
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 60.3 km – Water gates in Tokyo port area 15 facilities – Internal revetment in Tokyo port area 45.6 km – Drainage pump station in Tokyo port area 4 facilities (by the end of FY2031) – Coastal protection facilities in the Izu Islands 0.2 km (by the end of FY2022)
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			40,000	

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

No.	Environmental Category	Project examples	Expected Environmental Impact
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
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.