

Green bonds issued on February 22, 2022

Environmental Impact (March 2023)

Renewable Energy

Category		Projects	Annual Energy Production (Unit: MWh) ¹	Mizuho's Contribution ³ to Expected CO ₂ Emission Reductions (Unit: tons of CO ₂ /year) ²
Renewable Energy	Solar	2	1,818,576	267,489
	Wind	1	1,844,671	4,342
Total		3	3,663,247	271,832

- Notes:
- Total production for all projects.
 - Annual expected CO₂ emission reductions are based on the concept of Avoided Emissions under [PCAF](#) Guidance. We use the emission factors of fossil fuels that are consumed to generate the biggest electricity in the region that the project is located, and calculate CO₂ emission reductions contributed by the renewable power projects that Mizuho finance.
 - Calculated by multiplying the project expected CO₂ emission reductions by the ratio of Mizuho's outstanding debt of the total project cost (Mizuho's Attribution Factor). Mizuho's Attribution Factor is in line with [PCAF](#) Guidance.

Green Building

Category	Number of Buildings ⁴	Number and certification level of green buildings ⁵			
		LEED ⁶	CASBEE ⁷	DBJ Green Building	BELS ⁸
Green Building	336	Platinum: 1 property Gold: 2 property	S rank: 136 properties A rank: 132 properties	5 stars: 11 properties 4 stars: 27 properties	5 stars: 87 properties 4 stars: 24 properties

- Notes:
- Number of Buildings which have received classifications
 - As some buildings obtained more than one certifications, the total numbers don't match with the number of buildings
 - LEED : Leadership in Energy and Environmental Design
 - CASBEE : Comprehensive Assessment System for Built Environment Efficiency
 - BELS : Building-Housing Energy-efficiency Labelling System

Environmental Impact (March 2022)

Renewable Energy

Category		Projects	Annual Energy Production (Unit: MWh) ¹	Mizuho's Contribution ³ to Expected CO ₂ Emission Reductions (Unit: tons of CO ₂ /year) ²
Renewable Energy	Solar	6	7,787,527	346,620
	Wind	5	4,192,125	298,946
	Biomass	1	541,037	11,187
Total		12	12,520,689	656,753

- Notes:
1. Total production for all projects.
 2. Annual expected CO₂ emission reductions are based on the concept of Avoided Emissions under [PCAF](#) Guidance. We use the emission factors of fossil fuels that are consumed to generate the biggest electricity in the region that the project is located, and calculate CO₂ emission reductions contributed by the renewable power projects that Mizuho finance.
 3. Calculated by multiplying the project expected CO₂ emission reductions by the ratio of Mizuho's outstanding debt of the total project cost (Mizuho's Attribution Factor). Mizuho's Attribution Factor is in line with [PCAF](#) Guidance.

Green Building

Category	Number of Buildings ⁴	Number and certification level of green buildings				
		CASBEE ⁵	BELS ⁶	DBJ Green Building	CASBEE and BELS	CASBEE and DBJ Green Building
Green Building	20	S rank: 6 properties A rank: 8 properties	5 stars: 1 property	5 stars:2 properties	S rank and 4 stars: 1 property A rank and 5 stars: 1 property	A rank and 4 stars: 1 property

- Notes:
4. Number of Buildings which have received classifications
 5. CASBEE : Comprehensive Assessment System for Built Environment Efficiency
 6. BELS : Building-Housing Energy-efficiency Labelling System