

Green bonds issued on October 7, 2020

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	1	127,721	12,764
	Wind	2	4,083,845	69,757
	Biomass	1	724,229	246,794
Total		4	4,935,795	329,315

- 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	182	Platinum: 1 property Gold: 1 property	S rank: 53 properties A rank: 66 properties	5 stars: 2 properties 4 stars: 26 properties	5 stars: 40 properties 4 stars: 9 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	1	127,721	24,460
	Wind	2	4,400,081	61,592
	Biomass	1	724,229	228,235
Total		4	5,252,031	314,287

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	CASBEE and BELS
Green Building	54	S rank: 17 properties A rank: 20 properties	5 stars: 7 properties 4 stars: 3 properties	S rank and 5 stars: 4 properties S rank and 4 stars: 3 properties

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

Environmental Impact (March 2021)

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	1,752,731	72,108
	Wind	3	6,663,846	219,632
	Biomass	1	761,881	158,277
Total		6	9,178,458	450,017

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.
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Green Building

Category	Number of Buildings ⁴	Number and certification level of green buildings		
		CASBEE ⁵	BELS ⁶	CASBEE and BELS
Green Building	33	S rank: 14 properties A rank: 10 properties	4 stars: 2 properties	S rank and 5 stars: 4 properties S rank and 4 stars: 3 properties

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