

Green bonds issued on July 6, 2023

Environmental Impact (March 2025)

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	4,245,582	39,887
	Wind	9	15,140,780	294,027
	Solar + Wind	1	3,768,202	100,595
Total		12	23,154,564	434,509

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.

Clean Transportation

Category	Projects	Mizuho's Contribution ⁴ to Expected CO ₂ Emission Reductions (Unit: tons of CO ₂ /year)
Clean Transportation	2	775,296

Notes:

4. Calculated by multiplying the project expected CO₂ emission reductions by the ratio of Mizuho's outstanding debt of the total project cost.

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Green Building

Category	Number of Buildings ⁵	Number and certification level of green buildings ⁶			
		LEED ⁷	CASBEE ⁸	DBJ Green Building	BELS ⁹
Green Building	619	Platinum: 1 property Gold: 5 properties	S rank: 221 properties A rank: 246 properties	5 stars: 24 properties 4 stars: 49 properties	(2016 version) 5 stars: 161 properties 4 stars: 37 properties (2024 version) 6 stars: 9 properties 5 stars: 11 properties 4 stars: 4 properties 3 stars: 4 properties

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

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Renewable Energy	Solar	1	2,421,737	20,894
	Wind	7	8,847,416	391,791
	Solar + Wind	1	4,038,008	65,522
Total		9	15,307,161	478,208

- Notes:
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 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.

Clean Transportation

Category	Projects	Mizuho's Contribution ⁴ to Expected CO ₂ Emission Reductions (Unit: tons of CO ₂ /year)
Clean Transportation	2	773,912

- Notes:
4. Calculated by multiplying the project expected CO₂ emission reductions by the ratio of Mizuho's outstanding debt of the total project cost.

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Green Building

Category	Number of Buildings ⁵	Number and certification level of green buildings ⁶			
		LEED ⁷	CASBEE ⁸	DBJ Green Building	BELS ⁹
Green Building	36	Platinum: 1 property Gold: 2 property	S rank: 13 properties A rank: 5 properties	5 stars: 1 properties 4 stars: 4 properties	5 stars: 18 properties 4 stars: 2 properties

Notes:

5. Number of Buildings which have received classifications

6. As some buildings obtained more than one certifications, the total numbers don't match with the number of buildings

7. LEED : Leadership in Energy and Environmental Design

8. CASBEE : Comprehensive Assessment System for Built Environment Efficiency

9. BELS : Building-Housing Energy-efficiency Labelling System