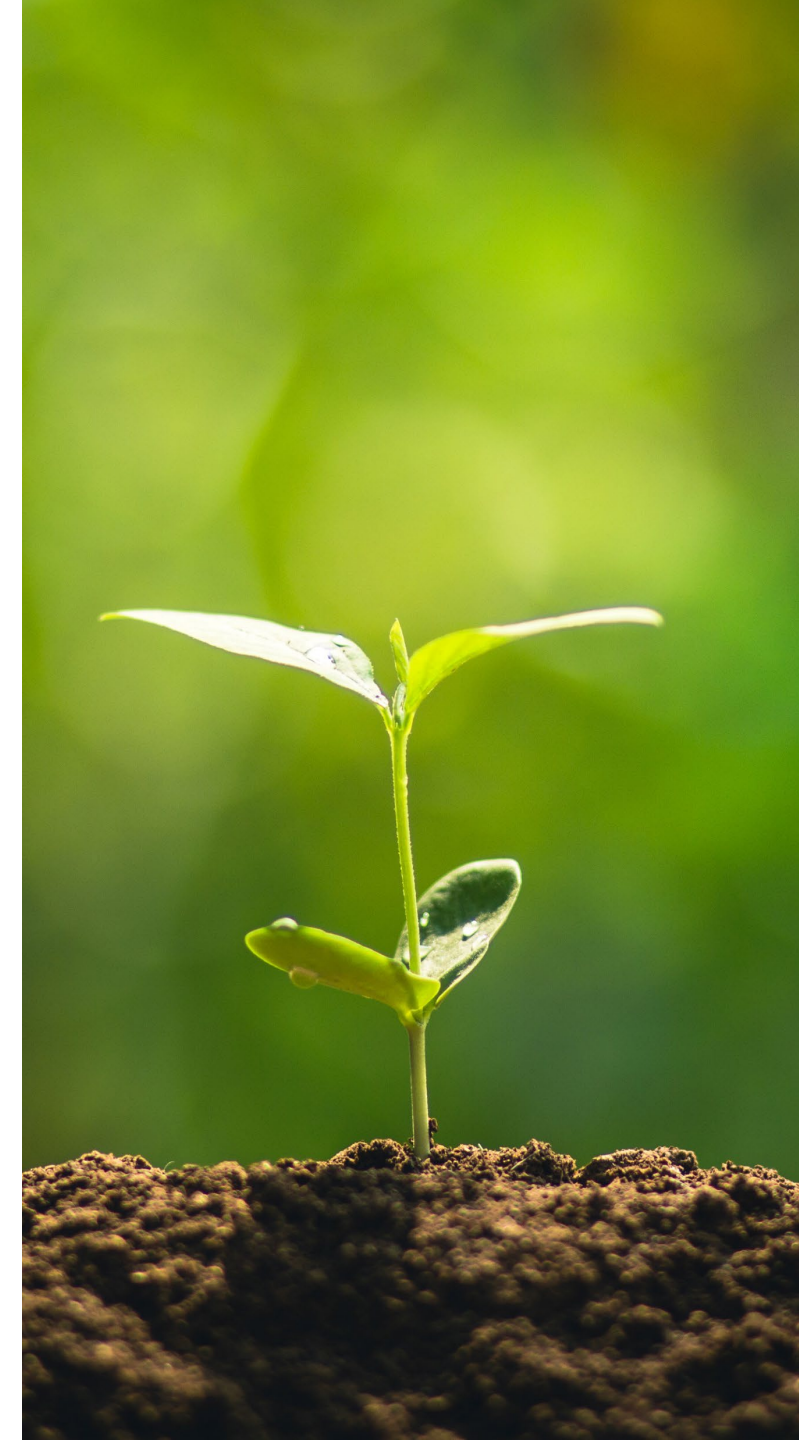


Chugai Group Environmental Goals, Action Plan and Performance

< Boundary > Chugai Group

< Period > Performance: January - December 2023
Action Plan : January - December 2024

< Items > Climate Change Countermeasures
Use of Renewable/Recycled Resources
Biodiversity Protection
Environmental Management System



1. Climate Change Countermeasures (prevention of global warming)

	Mid-Term Environmental Goals 2030／KPI (Base year 2019)	2023 Goal and Plan	2023 Results	2024 Goal and Plan
Scope 1+2 CO2 emissions	40% reduction by 2025 60–75% reduction by 2030 Zero emissions by 2050	Monitoring and information disclosure for 40% reduction by 2025	CO2 emissions (Scope 1&2) of 50,787 tons (55.0% reduction compared to 2019)	Monitoring and information disclosure for 40% reduction by 2025
Scope 1+2 Energy consumption	5% reduction by 2025 15% reduction by 2030 (Per total floor area excluding leased properties)	Monitoring and information disclosure for 5% reduction per 2025 total floor area	Energy consumption of 2,214 TJ Energy consumption per total floor area : 6.2MJ/m2 (14.0% reduction compared to 2019)	Monitoring and information disclosure for 5% reduction per 2025 total floor area
Scope 3 reduction of CO2 emissions	30% reduction by 2030	Monitoring and information disclosure for 30% reduction by 2030	CO2 emissions (Scope 3) of 1,136,969 tons (18.0% increase compared to 2019)	Monitoring and information disclosure for 30% reduction by 2030
Sustainable electricity ratio	100% by 2025	Monitoring and information disclosure for 100% reduction by 2025	Sustainable electricity ratio of 97.2%	Establishment of a procurement method by the end of 2024 so that 100% sustainable electricity can be procured from January 2025
Halogenated hydrocarbons (base year 2020)	25% reduction by 2025 100% reduction by 2030 (base year 2020)	Monitoring and information disclosure for 25% reduction by 2025	Halogenated hydrocarbons usage of 43,845 tons (1.5% reduction compared to 2020)	Monitoring and information disclosure for 25% reduction by 2025
Fuel consumption by MR	35% reduction by 2025 75% reduction by 2030	Monitoring and information disclosure for 35% reduction by 2025	Fuel consumption by MR vehicles of 23,021GJ (47.0% reduction compared to 2019)	Monitoring and information disclosure for 35% reduction by 2025

2. Use of Renewable/Recycled Resources (resource conservation, waste management)

	Mid-Term Environmental Goals 2030／KPI (Base year 2019)	2023 Goal and Plan	2023 Results	2024 Goal and Plan
Industrial waste reduction	5% reduction by 2025 10% reduction by 2030 (Per total floor area excluding leased properties)	Monitoring and information disclosure for 5% reduction by 2025 (Per total floor area excluding leased properties)	Industrial Waste Generated of 3,527 tons Industrial Waste Generated per total area : 9.9kg/m2 (5.9% reduction compared to 2019)	Monitoring and information disclosure for 5% reduction by 2025 (Per total floor area excluding leased properties)
Improvement of industrial waste recycling ratio	—	Monitor and disclose information on more than 99% of Chugai group facilities	Achieve recycling rate of 99% or more at facilities	Disclosure of information based on new KPIs and promotion of measures for achievement
Plastic waste reduction	5% reduction by 2025 10% reduction by 2030 (Per total floor area excluding leased properties)	Monitoring and information disclosure for 5% reduction by 2025 (Per total floor area excluding leased properties)	Plastic Waste generated of 795 tons Plastic Waste generated per total area : 2.2kg/m2 (25.1% increase compared to 2019)	Monitoring and information disclosure for 5% reduction by 2025 (Per total floor area excluding leased properties)
Decrease final disposal ratio	—	final disposal ratio of industrial waste: less than 2%	Final disposal ratio of industrial waste of 0.1%	final disposal ratio of industrial waste: less than 2%
Verify waste disposal contractors	—	Conduct on-site verification of contracted waste disposal facilities of 100% or more in 3 years (2021- 2023)	On-site verification of waste disposal contractor facilities: 100% in 3 years	Conduct on-site verification of contracted waste disposal facilities of 100% or more in 3 years (2024- 2026)
Water resource conservation (water withdrawal)	15% reduction by 2030 (Per total floor area excluding leased properties)	Monitoring and information disclosure for 15% reduction by 2030 (Per total floor area excluding leased properties)	Water withdrawal generated of 1,820 tons Water withdrawal generated per total area : 5.1kg/m2 (25.8% reduction compared to 2019)	Monitoring and information disclosure for 15% reduction by 2030 (Per total floor area excluding leased properties)

3. Biodiversity Protection (environmental burden mitigation)

	Mid-Term Environmental Goals 2030／KPI (Base year 2019)	2023 Goal and Plan	2023 Results	2024 Goal and Plan
Chemical substance management (SVHC)	After 2021, manufacturing processes without using SVHC-listed chemicals are established for all Chugai original candidate molecules by commercial productions.	Conduct monitoring for SVHC guidelines	Monitoring of reduction of hazardous chemical use based on guidelines for the use of SVHC	Operation based on guidelines for the use of SVHC
Hazardous waste reduction	5% reduction by 2025 10% reduction by 2030 (Per total floor area excluding leased properties)	Monitoring and information disclosure for 5% reduction by 2025 (Per total floor area excluding leased properties)	Hazardous waste generated of 815 tons Hazardous waste generated per total area : 2.3kg/m2 (14.8% reduction compared to 2019)	Monitoring and information disclosure for 5% reduction by 2025 (Per total floor area excluding leased properties)
Water pollution prevention	—	Conduct WET (Whole Effluent Toxicity) test at 5 facilities (once a year)	Conducted WET (Whole Effluent Toxicity) tests to measure wastewater (5 sites once a year)	100% WET tests at all applicable facilities
Reduction of the amount of chemical substances (phosphorus, nitrogen, etc.) in wastewater	—	Comply with internal regulation	Comply with internal regulation	Comply with internal regulation
Protect water resources through forest maintenance at production site	—	Carry out Forest maintenance activities conducted at least once a year	Conducted thinning activities at the Fujieda Plant watershed and the Ukima Plant watershed	Carry out Forest maintenance activities conducted at least once a year
Introduction of comprehensive environmental impact assessment	—	Consider introduction of evaluation impact assessment including Roche method	Considered introduction of comprehensive environmental impact assessment method	Consider introduction of evaluation impact assessment including Roche method

4. Environmental Management System

	Mid-Term Environmental Goals 2030／KPI (Base year 2019)	2023 Goal and Plan	2023 Results	2024 Goal and Plan
Qualitative improvement of Chugai group environmental management system	—	Carry out EHS internal audit at 4 facilities Establishment of EHS external audit system	Carried out EHS internal audit at 5 facilities Established draft selection criteria for key secondary suppliers	Carried out EHS internal audit at 4 facilities
Improvement of external evaluation	—	CDP Climate Change: A scoring CDP Water Security: A scoring	CDP Climate Change: A scoring CDP Water Security: A scoring	CDP: A scoring
Expansion of environmental performance data calculation range	—	Expansion of the scope of third-party assurance for environmental performance data	Trading volume of valuables, Industrial Waste Generation of Waste Utilizing the Wide-Area Certification System Generation and Water Withdrawal (Rainwater) were added	Expansion of the scope of third-party assurance for environmental performance data

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