# Environmental Responsibility



We recognize the realization of a decarbonized society and circular economy as well as preservation of biodiversity as key management concerns.
Moreover, we believe our mission as a corporate citizen is to acknowledge the environmental impact associated with our business activities and make the utmost effort to work alongside our customers toward reducing the impact on society as a whole.

Materiality

# Commit to Environmental Sustainability

**Goal** To contribute to the sustainable development of society as a whole and the conservation of the global environment in partnership with our stakeholders toward realizing a future where people co-exist in harmony with nature

## Sustainability Issues

- Decarbonization and energy
- Recycling, resource conservation, and waste management
- Ecosystem and environmental conservation

## Strategy

The NTT DOCOMO Group collaborates with stakeholders to develop innovative initiatives leveraging its corporate assets, such as technologies and direct connections with users of our products and services, to protect the global environment and enhance corporate value in order to become a leading environmental company.

## Risks

As our business expands, our environmental impacts may increase due to higher energy consumption, resource extraction, and land development. Furthermore, the introduction of new laws and regulations, or tightening of existing ones, could result in higher costs and other adverse effects on the business.

## Opportunities

We will create distinctly innovative initiatives that broadly ripple across society. These efforts will include reducing costs by improving energy efficiency in our telecommunications business, reducing environmental impacts by advancing decarbonization together with our customers, promoting material recycling, providing solutions and services that support climate action and conserve biodiversity while applying our own ICT, and contributing to a nature-positive future through conservation of local biodiversity.

## FY2024 Initiatives

- To reduce Scope 2 emissions, we procured solar power for 16 telecommunications buildings through off-site corporate power purchase agreements (PPAs), achieving 54.2% as of fiscal 2024 as part of efforts to introduce them across all buildings by fiscal 2030.
- To reduce Scope 3 emissions, we launched the DOCOMO Supply Chain Green Program.
- docomo select, an online shop offering smartphone accessories, uses recycled materials in its products and packaging.
- We produce pallets from plastics removed from collected mobile phones. The pallets are used when processing mobile phones for recycling.
- We established the Biodiversity Working Group and developed a medium-term biodiversity roadmap that contributes to achieving nature positive by 2030.
- Our biodiversity conservation activities in Tokorozawa City, Saitama Prefecture received the Nature Positive Contribution Certification, issued jointly by Tokorozawa City and the Nature Conservation Society of Japan.
- We signed a Basic Agreement on Sustainable Forest Management with Furano City and Otoineppu Village in Hokkaido and began creating J-Credits, implementing smart forestry initiatives, and providing environmental education at each region's docomo Woods.


## Key FY2024 Results

P. 23 Metrics and Targets

| GHG emissions (Scope 1 and 2) | Power efficiency of the telecommunications business (compared to FY2013) | Waste recycling rate | EV transition rate of passenger vehicle fleet |
|---|---|---|---|
| 1,014 kt-$CO_2e$ | 15.6-fold | 96.6% | 51.8% |

# Environmental Vision and Action Plan

## Basic Policy

The NTT DOCOMO Group undertakes environmental preservation actions based on the NTT Group Environment and Energy Vision, formulated in May 2020. It also follows the Green Action Plan, which it established to summarize its environmental targets through to 2030, to take actions that contribute to the sustainable development of society as a whole and the global environment.

Looking ahead, the NTT DOCOMO Group will uphold these guidelines and environmental targets as it continues to make a Group-wide effort to protect the environment.

### NTT Group Environment and Energy Vision

In May 2020, the NTT Group formulated the Environment and Energy Vision. In September 2021, it developed the NTT Green Innovation toward 2040, a new environment and energy vision aimed at realizing a society based on well-being by undertaking ESG initiatives. These initiatives will increase corporate value while simultaneously realizing zero environmental impact and economic growth by reducing the environmental impact of our business activities and driving breakthrough innovation.

Environment and Energy Vision

### NTT Green Innovation toward 2040 Targets

In order to realize zero environmental impact, the NTT Group set a goal of achieving Group-wide carbon neutrality by fiscal 2040. The first-phase target is set for fiscal 2030, when mobile (NTT DOCOMO) and data center businesses will become the first within the Group to achieve carbon neutrality, and the NTT Group will have reduced greenhouse gas emissions by 80% relative to the fiscal 2013 levels. These targets were validated as being in line with the 1.5°C science-based target (SBT) in December 2021.

## NTT Group Environment and Energy Vision Basic Policy and Action Guidelines

### Basic Policy

The NTT Group is committed to achieving a new level of prosperity where humanity can co-exist and preserve nature for generations to come. To this end, we will work to balance solving ecological problems and improving economic development by reducing the environmental impact of our business activities and creating new technologies and innovations.

### Action Guidelines

1. Reducing greenhouse gas emissions
   The NTT Group is committed to initiatives that reduce greenhouse gas emissions throughout its business activities and society as a whole, by rolling out IOWN technology, increasing development and use of renewable energy sources, and providing services that contribute to carbon neutrality.
2. A commitment to resource recycling
   We will shift from a one-time use consumption-oriented company to a recycling-oriented one.
   We will promote the effective use of resources throughout the entire life cycle of products and systems, from procurement to use and disposal.
3. Conserving ecosystems
   Through our business and employee activities, we will promote initiatives related to conserving ecosystems within nature.
4. Compliance with laws and regulations and fulfillment of social responsibilities
   We comply with the laws and regulations related to environmental issues in each country and region, and act with high ethical standards.
5. Establishing and maintaining environmental management systems
   We will establish the Green Innovation Committee chaired by the Representative Director and Senior Executive Vice President, and discuss basic strategies concerning environmental issues, the status of implementation of activities, and information disclosure, and implement relevant initiatives.
6. Stakeholder engagement
   We will engage with stakeholders throughout our entire value chain to help resolve environmental issues.
   NTT Group Environment and Energy Vision Basic Policy and Action Guidelines.

## Green Action Plan

The NTT DOCOMO Group, together with society, will work toward a future where people co-exist in harmony with nature by contributing to the sustainable development of society as a whole and the conservation of the global environment.

1. We will work to reduce greenhouse gas emissions by lowering power consumption in the communications network, expanding our use of renewable energy, and providing products and services that help achieve carbon neutrality.
2. We will promote initiatives to utilize resources efficiently throughout the entire lifecycle of products and services, from procurement to disposal.
3. Through our business and the activities of our employees, we will promote initiatives related to ecosystem conservation while working closely with nature.

### Realizing a Decarbonized Society

| Main Actions |
|---|
| • Develop and implement technologies and provide services and solutions that reduce $CO_2$ emissions<br>• Drive the adoption of renewable energy, including the purchasing of non-fossil fuel certificates for designated renewable energy sources<br>• Transition gasoline-powered passenger vehicles to EVs and reduce the number of fleets (discontinuing the use of gasoline-powered vehicles)<br>• Develop technologies and install facilities to reduce communications network power consumption<br>• Promote green procurement<br>• Shift to green energy at docomo Shops |

| Index | Target | Target FY |
|---|---|---|
| Greenhouse gas emissions | Net zero (Scope 1, 2, 3)*1 | 2040 |
| | Carbon neutrality (Scope 1, 2)*2 | 2030 |
| EV transition rate of passenger vehicle fleet | 100% | 2030 |
| Power efficiency per unit of communication | At least 10-fold (compared to the FY2013 level) | 2030 |

*1 Refers to Scope 1, 2, and 3 defined in the GHG Protocol.
*2 Refers to Scope 1 and 2 defined in the GHG Protocol.
Includes renewable energy purchased with non-fossil fuel certificates for designated renewable energy sources.
Consolidated subsidiaries within and outside Japan are included.

### Realizing a Sound Resource-Recycling Society

| Main Actions |
|---|
| • Promoting 3R activities<br>• Promoting the collection and recycling of mobile terminals |

| Index | Target | Target FY |
|---|---|---|
| Waste recycling rate | 99% | 2030 |

### Conservation of Biodiversity and Ecosystems

| Main Actions |
|---|
| • Consideration for biodiversity around telecommunications facilities<br>• Responsible sourcing of mineral resources and promotion of resource circularity<br>• Use of own assets (ICT and stakeholder engagement through regional business sites)<br>• Promotion of employee education |

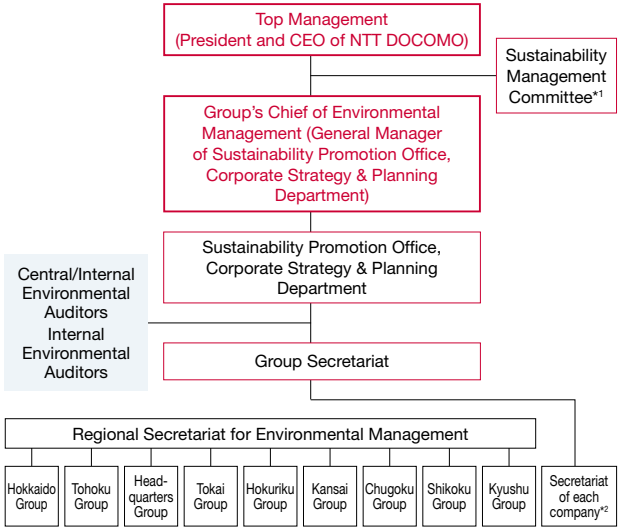
| Index | Target | Target FY |
|---|---|---|
| Nature-positive society | Contributing to realizing a nature-positive society | 2030 |

# Environmental Management

## Promoting Environmental Management System

NTT DOCOMO has established and operates its own environmental management system (EMS), which it developed using ISO 14001 as a guide. The EMS implements environmental management more closely aligned with business, thereby advancing environmental activities such as energy conservation for telecommunications facilities and the recycling of used mobile phones. It is led by the president and CEO of NTT DOCOMO and administered by organizational units, including the Sustainability Management Committee. The highest decision-making body for the EMS is also chaired by the president and CEO. Expert subcommittees of the Group plan, propose, and manage initiatives for achieving environmental targets. Progress toward environmental goals is reviewed and environmental challenges are addressed through a plan-do-check-act (PDCA) cycle. Part of NTT DOCOMO BUSINESS and NTT DOCOMO SOLUTIONS have introduced ISO 14001 and have maintained certification.

➤ **Organizational Structure for Environmental Management**




(As of end of March 2025)

*1 Includes meetings attended by top management.
*2 DOCOMO CS, Inc., DOCOMO Support Inc., and DOCOMO Technology, Inc.

### EMS Organizations

**Sustainability Management Committee**

A committee responsible for reporting matters related to the EMS and discussing matters such as sustainability management. P. 16

**Sustainability Promotion Office**

Planning, proposal, and management of the EMS.

**Central and Internal Environmental Auditor**

Oversees internal environment auditing assumed by the senior manager in charge of the Sustainability Promotion Office.

**Group Secretariat and Regional Secretariat for Environmental Management**

Secretariat responsible for the management and practical tasks involving each organization's EMS.

## Subcommittees on Environmental Matters

Specific yearly action targets and action plans are determined once a year based on discussions by the Climate Change Working Group, the Circular Economy Working Group, and the Biodiversity Working Group. To accomplish the DOCOMO Group's environmental targets, each subcommittee chair appoints an action plan leader from among the subcommittee's members to manage improvement points. The appointed leader implements activities in collaboration with other leaders from each region and Group company. Progress of yearly targets and action plans are reported to the Sustainability Management Committee once a year. The committee also puts forward other matters that require discussion and deliberation.

➤ **Subcommittee Structure**

**Sustainability Management Committee**

| Subcommittee | Main Initiatives |
|---|---|
| Climate Change Working Group | • Reduce $CO_2$ emissions<br>• Conserve energy<br>• Promote renewable energy use<br>• Promote actions toward Net-Zero by 2040 |
| Circular Economy Working Group | • Promote the reuse and recycling of mobile phones<br>• Reduce plastic<br>• Reduce waste, promote recycling |
| Biodiversity Working Group | • Contributing to realizing a nature-positive society by 2030<br>• Reducing negative impacts and creating positive impacts on biodiversity around telecommunications facilities<br>• Engaging with suppliers of mineral resources<br>• Advancing local biodiversity conservation activities |

## Action Plans and Results of Subcommittees (FY2024)*1

| Expert Subcommittee | Metrics and Targets | Target FY | FY2023 Targets | Main Action Plans for Targets | Results |
|---|---|---|---|---|---|
| Climate Change Working Group | Carbon neutrality (Scope 1, 2) | 2030 | GHG emission: 1,067 kt-$CO_2e$ | Reduce greenhouse gas emissions by improving energy efficiency at DOCOMO and by purchasing non-fossil fuel certificates for designated renewable energy sources | 905 kt-$CO_2e$ |
| | Power efficiency of telecommunications business: 10-fold increase (compared to FY2013) | 2030 | — (no annual target has been set) | • Actively install high-efficiency, low-power consumption equipment and replace equipment during upgrades<br>• Reduce power consumption by installing intelligent air conditioning systems<br>• Promote the development of highly energy-efficient equipment | 15.6-fold |
| | EV transition rate of passenger vehicle fleet: 100% | 2030 | — (no annual target has been set) | Shift to EVs and discontinue the use of gas-powered vehicles | 51.9% |
| | Shift to green energy at all docomo Shops | 2030 | Introduce green energy to shops operated by the DOCOMO Group | Introduce renewable energy*2 to shops operated by the DOCOMO Group | 100% |
| Circular Economy Working Group | Recycling rate: 99% or higher | 2030 | Waste recycling rate: at least 98.1% | • Monitor progress to improve the recycling rate of office waste to more than 98.7%<br>• Monitor progress to improve the recycling rate of construction waste to more than 96.9%<br>• Monitor progress to improve the recycling rate of decommissioned telecommunications equipment waste to more than 99.9% | 96.5% |
| | Use of paper: zero in principle*3 | 2025 | Office paper use: less than 12 tonnes | Promote paperless meetings and electronic contracts using monitors | 9 t |
| | Collecting unused mobile phones | — | Higher than previous year (FY2023 result: 3.42 million units) | Create and publicize opportunities for collection of mobile phones for reuse and recycling | 3.20 million units |
| Biodiversity Working Group | This new subcommittee has begun discussions on metrics and targets. | — | — | • Main initiatives<br>1) Consideration for biodiversity around telecommunications facilities<br>2) Responsible sourcing of mineral resources<br>3) Use of own assets (ICT and stakeholder engagement through regional business sites)<br>• Discuss metrics and targets, targets for FY2025, and action plan | — |

*1 Scope: Excludes DOCOMO BUSINESS and DOCOMO SOLUTIONS.
*2 Includes the use of non-fossil fuel certificates designated as renewable energy.
*3 Excludes the use of paper per customer request and for documents submitted to public agencies.

## Internal Environmental Audits

NTT DOCOMO conducts internal environmental audits to ensure the effective implementation of the EMS. Internal auditing staff with expert knowledge at the head office will audit each business base (branch office and Group companies) with a focus on the activities of the secretariat and organizations under their supervision based on the following three aspects.

1. Compliance with auditing standards and effective implementation (system audit)
2. Alignment with the NTT DOCOMO Group's environmental targets, effective implementation, and continuous improvement (performance audit)
3. Appropriate application of and compliance with environmental laws and regulations including ordinances (legal audit)

Well-trained internal environmental auditors conduct strict, impartial audits to ensure the EMS is functioning appropriately. Audit findings are used to continually revise the system and make improvements.

## Compliance with Environmental Laws and Regulations

### Compliance with Environmental Laws and Regulations

NTT DOCOMO is committed to full compliance under its current EMS framework, specifically the prevailing environmental laws and regulations, including the Act on the Rational Use of Energy (Energy Conservation Act), Act on the Promotion of Sorted Collection and Recycling of Containers and Packaging (Containers/Packaging Recycling Act), Waste Management and Public Cleansing Act (Waste Management Act), and Act for Rationalized Use and Proper Management of Fluorocarbons (Fluorocarbons Emission Control Law), as well as environment-related municipal ordinances, such as the Tokyo Metropolitan Government's mandatory reduction scheme, and other municipal ordinances related to global warming.

In fiscal 2024, there was one violation involving PCB management. While the NTT DOCOMO Group properly manages and disposes of equipment containing PCBs, upon discovery of the incident, we immediately notified the relevant local government and regional environmental office and promptly had the PCB waste disposed of by a contractor. No penalties or fines were imposed, and following the incident, we conducted an internal review and continue to take measures to prevent recurrence.

## Green Procurement

NTT DOCOMO is committed to preserving the global environment through green procurement under the NTT DOCOMO Green Procurement Standards, formulated in April 2022, by prioritizing materials, parts, and products that are safe and less harmful to the environment. We select new suppliers and evaluate existing ones based on assessing their respective environmental protection activities and products to be procured.

Upon entering into a business contract, we present the NTT DOCOMO Group Guidelines for Sustainability in Supply Chain to suppliers and request their compliance. This is one of our efforts for creating and maintaining a supply chain toward realizing a sustainable society.

### 1 Development of an Environmental Management System (Measures Taken by Suppliers)

NTT DOCOMO has established a system to ensure compliance with environmental regulations across the entire supply chain and reduce environmental impact. At the start of every transaction, we use a survey sheet to assess the environmental management ability of each supplier by determining the status of establishment and operation of an environmental management system. We also consider their efforts to reduce environmental impact through their business establishments and products.

### 2 Reduced Environmental Impact Related to Products (Product Assessment)

To reduce the environmental impact of its products, NTT DOCOMO conducts an assessment at the design stage to determine a product's impact on the environment at each phase of the manufacturing and distribution cycle from the viewpoint of the use of chemical substances, response to global warming, and other environmental considerations. We then modify the design as necessary to reduce the product's environmental impact. With new procurements, we request that suppliers submit a response to the Identification of Chemical Substances Contained in Products to ensure they are adhering to the RoHS Directive* and other relevant agreements, laws, and regulations and in order to restrict the use of specified hazardous substances.

*EU rules restricting the use of hazardous substances in electrical and electronic equipment.

NTT DOCOMO Green Procurement Standards
NTT DOCOMO Guidelines for Sustainability in Supply Chain

# Environmental Data

Note: Consolidated subsidiaries within and outside Japan are included.
Scope 1 and 2 (heat): Applied the factors stipulated in the Act on Promotion of Global Warming Countermeasures (figures announced by the Ministry of the Environment and the Ministry of Economy, Trade and Industry).
Scope 2 (electricity): Applied the emission factor per power company. (figures announced by the Ministry of the Environment) and the emission factor per overseas country (figures announced by IEA).
Scope 3: Applied the emissions unit value from the Database for Emissions Unit Values for Accounting of Greenhouse Gas Emissions, etc., by Organizations Throughout the Supply Chain, announced by the Ministry of the Environment, and the emissions intensity announced by relevant companies.
Calculated based on standards and guidance provided by the GHG Protocol.

## ➤ Greenhouse Gas Emissions for the Entire Supply Chain (DOCOMO and 11 functional subsidiaries)

(kt-$CO_2e$)

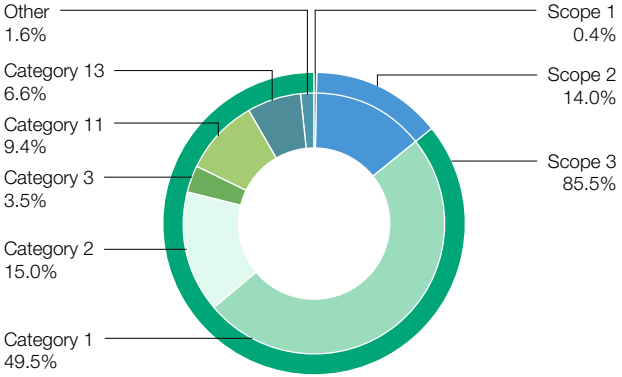
| Scope | Method of Calculation | FY2023 | FY2024 |
|---|---|---|---|
| Scope 1 Direct emissions | Calculated for each type of fuel by multiplying the volume consumed by the respective emission factor | 51 | 30 |
| Scope 2 Indirect emissions | | | |
| Market-based | Calculated by multiplying the purchased volume by the emission factor of each supplier | 1,094 | 984 |
| Location-based | Calculated by multiplying the usage volume by the nationwide average emission factors issued by the Ministry of the Environment and the country-specific emission factors published by the IEA | — | 1,733 |
| Scope 3 Other indirect emissions | | 6,496 | 6,004 |
| 1. Purchased goods and services | Calculated by multiplying the purchased amount by suppliers, using figures disclosed by each company, by the emissions intensity of each supplier or the emissions intensity applicable to purchases | 3,467 | 3,476 |
| 2. Capital goods | Calculated by multiplying the capital expenditures by suppliers, using figures disclosed by each company, by the emissions intensity of each supplier or the emissions intensity for communication | 1,264 | 1,050 |
| 3. Fuel-and energy-related activities not included in Scope 1 and 2 | Calculated by multiplying the volume of fuel used and volume of electricity purchased by their respective emissions intensity | 270 | 243 |
| 4. Upstream transportation and distribution | Calculated by multiplying the shipping fee charged to the sales base by the emissions intensity of transportation | 22 | 3 |
| 5. Waste generated in operations | Calculated by multiplying the weight of waste by the emissions intensity for each type of waste and disposal method | 1 | 1 |
| 6. Business travel | Calculated by dividing the amount of travel expenses in proportion to the ratio of transportation method used, and multiplying the figures by the respective emissions intensity | 19 | 41 |
| 7. Employee commuting | Calculated by dividing the amount of commuting expenses in proportion to the ratio of transportation method used, and multiplying the figures by the respective emissions intensity | 2 | 3 |
| 8. Upstream leased assets | (Calculation not applicable) | — | — |
| 9. Downstream transportation and distribution | (Calculated by inclusion in upstream transport under Category 4) | — | — |
| 10. Processing of sold products | (Calculation not applicable) | — | — |
| 11. Use of sold products | Calculated by multiplying the number of mobile phones sold by the emissions intensity per line | 935 | 661 |
| 12. End-of-life treatment of sold products | Calculated by multiplying the weight of each part of mobile phones sold by the emissions intensity for each type of waste | 3 | 2 |
| 13. Downstream leased assets | Calculated by multiplying the volume of electricity consumed by other business operators' facilities by the emission factor of the respective power company, and Calculated by multiplying the volume of electricity consumed by rental mobile homes by the national emission factor | 452 | 463 |
| 14. Franchises | Calculated by multiplying the total floor area of docomo Shops by the emissions intensity per floor area | 62 | 61 |
| 15. Investments | (Calculation not applicable) | — | — |
| Total | | 7,642 | 7,018 |

## ➤ Greenhouse Gas Emissions for the Entire Supply Chain (DOCOMO and 11 functional subsidiaries)

(kt-$CO_2e$)

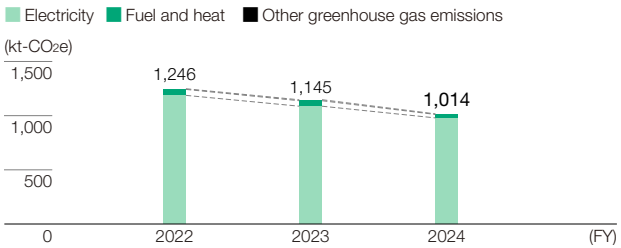
| Scope | Method of Calculation | FY2023 | FY2024 |
|---|---|---|---|
| Scope 1 Direct emissions | Calculated for each type of fuel by multiplying the volume consumed by the respective emission factor | 41 | 19 |
| Scope 2 Indirect emissions | | | |
| Market-based | Calculated by multiplying the purchased volume by the emission factor of each supplier | 992 | 886 |
| Location-based | Calculated by multiplying the usage volume by the nationwide average emission factors issued by the Ministry of the Environment and the country-specific emission factors published by the IEA | — | 1,525 |

## ➤ Ratio of Scope 1, 2, and 3 Greenhouse Gas Emissions (FY2024)




Scope of calculation: DOCOMO Group

## ➤ Greenhouse Gas Emissions (Scope 1 and 2)




Scope: DOCOMO Group

(kt-CO2e)

| DOCOMO Group | FY2022 | FY2023 | FY2024 |
|---|---|---|---|
| Electricity | 1,185 | 1,085 | 977 |
| Telecommunications facilities included above | 1,088 | 1,025 | 905 |
| Fuel and heat | 55 | 51 | 32 |
| Other greenhouse gas emissions | 6 | 9 | 5 |
| Total | 1,246 | 1,145 | 1,014 |

| DOCOMO and 11 functional subsidiaries | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|
| Electricity | 1,141 | 1,046 | 986 | 881 |
| Telecommunications facilities included above | 1,083 | 1,017 | 974 | 854 |
| Fuel and heat | 52 | 48 | 43 | 22 |
| Other greenhouse gas emissions | 2 | 4 | 3 | 3 |
| Total | 1,194 | 1,098 | 1,032 | 905 |

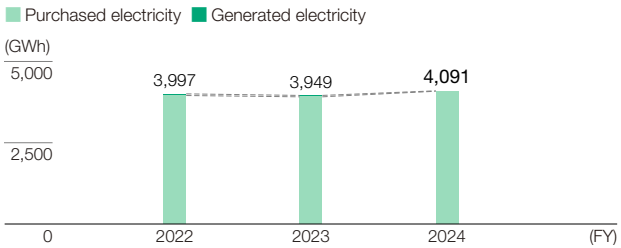
## ➤ Fuel and Heat Use Unit

(kt-CO2e)

| DOCOMO Group | FY2022 | FY2023 | FY2024 |
|---|---|---|---|
| Gas (thousand m³) | 17,700 | 15,171 | 6,929 |
| Heavy oil (kl) | 1,128 | 1,490 | 2,538 |
| Diesel oil (kl) | 283 | 445 | 428 |
| Gasoline—automobile (kl) | 644 | 723 | 694 |
| Heat (GJ) | 147,317 | 149,174 | 157,918 |

| DOCOMO and 11 functional subsidiaries | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|
| Gas (thousand m³) | 18,601 | 17,446 | 15,005 | 6,793 |
| Heavy oil (kl) | 113 | 43 | 21 | 27 |
| Diesel oil (kl) | 198 | 109 | 141 | 203 |
| Gasoline—automobile (kl) | 632 | 483 | 520 | 491 |
| Heat (GJ) | 99,143 | 101,030 | 103,588 | 114,796 |

## ➤ Electricity Consumption




Scope: DOCOMO Group

(GWh)

| DOCOMO Group | FY2022 | FY2023 | FY2024 |
|---|---|---|---|
| Purchased | 3,946 | 3,906 | 4,077 |
| Telecommunications facilities included above | 3,552 | 3,560 | 3,744 |
| Generated | 51 | 43 | 14 |
| Total | 3,997 | 3,949 | 4,091 |

| DOCOMO and 11 functional subsidiaries | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|
| Purchased | 3,350 | 3,352 | 3,382 | 3,573 |
| Telecommunications facilities included above | 3,217 | 3,219 | 3,250 | 3,436 |
| Generated | 54 | 51 | 42 | 13 |
| Total | 3,404 | 3,403 | 3,424 | 3,587 |

## ➤ Renewable Energy Consumption

(GWh)

| DOCOMO Group | FY2022 | FY2023 | FY2024 |
|---|---|---|---|
| Power consumed | 3,997 | 3,949 | 4,091 |
| Power sourced from renewable energy | 1,208 | 1,416 | 1,828 |
| Purchased | 1,206 | 1,414 | 1,826 |
| Generated (solar and wind power) | 2 | 2 | 2 |
| Renewable energy consumption (% of total power consumed) | 30.2 | 35.9 | 44.7 |

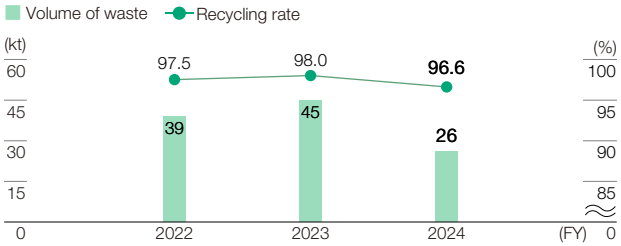
| DOCOMO and 11 functional subsidiaries | FY2022 | FY2023 | FY2024 |
|---|---|---|---|
| Power consumed | 3,403 | 3,424 | 3,587 |
| Power sourced from renewable energy | 922 | 1,132 | 1,552 |
| Purchased | 921 | 1,130 | 1,551 |
| Generated (solar and wind power) | 1 | 1 | 1 |
| Renewable energy consumption (% of total power consumed) | 27.1 | 33.1 | 43.3 |

## ➤ Total Energy Consumption

(GWh)

| DOCOMO Group | FY2023 | FY2024 |
|---|---|---|
| Total energy consumption | 4,189 | 4,244 |

## ➤ Volume of Waste and Recycling Rate




Scope: DOCOMO Group

(kt)

| DOCOMO Group | FY2022 | FY2023 | FY2024 |
|---|---|---|---|
| Volume of waste | 39 | 45 | 26 |
| Office related | 7 | 7 | 6 |
| Telecommunications equipment | 7 | 7 | 11 |
| Construction | 25 | 31 | 10 |
| Volume recycled* | 38 | 44 | 25 |
| Office related | 7 | 7 | 6 |
| Telecommunications equipment | 7 | 7 | 11 |
| Construction | 24 | 30 | 9 |
| Recycling rate* (%) | 97.5 | 98.0 | 96.6 |

| DOCOMO and 11 functional subsidiaries | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|
| Volume of waste | 23 | 23 | 20 | 20 |
| Office related | 4 | 5 | 5 | 4 |
| Telecommunications equipment | 9 | 5 | 6 | 9 |
| Construction | 10 | 13 | 9 | 7 |
| Volume recycled* | — | 22 | 20 | 20 |
| Office related | — | 5 | 5 | 4 |
| Telecommunications equipment | — | 5 | 6 | 9 |
| Construction | — | 12 | 9 | 7 |
| Recycling rate* (%) | — | 97.1 | 98.1 | 96.5 |

*In FY2022, the indicator for waste was changed from the volume and rate of final waste disposal to the recycled volume and rate.

## ➤ Main Types of Waste

(DOCOMO Group)

- Fiber-optic cables
- Conversion devices
- Power-related devices
- Iron scrap
- Concrete poles, etc.

## ➤ Recycled Containers and Packaging

(DOCOMO Group) **(volume reported in fiscal 2024)**

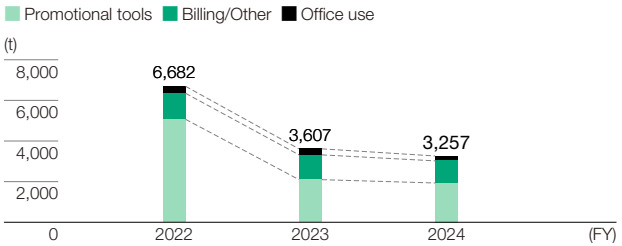
- Plastic containers 185 t
- Paper containers 814 t

## ➤ Hazardous Waste (PCB)

(t)

| DOCOMO and 11 functional subsidiaries | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|
| Volume of PCB disposal | 7 | 19 | 7 | 1 |

## ➤ Paper Usage




Scope: DOCOMO Group

(t)

| DOCOMO Group | FY2022 | FY2023 | FY2024 |
|---|---|---|---|
| Office use | 343 | 295 | 240 |
| Billing | 1,279 | 1,219 | 1,087 |
| Promotional tools | 5,060 | 2,093 | 1,930 |
| Total | 6,682 | 3,607 | 3,257 |

| DOCOMO and 11 functional subsidiaries | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|
| Office use | 395 | 175 | 108 | 72 |
| Billing | 1,226 | 1,156 | 1,096 | 977 |
| Promotional tools | 6,243 | 5,060 | 2,080 | 1,915 |
| Total | 7,864 | 6,391 | 3,284 | 2,964 |

## ➤ Water Consumption

(thousand m³)

| DOCOMO Group | FY2022 | FY2023 | FY2024 |
|---|---|---|---|
| Total consumption | 1,243 | 1,314 | 1,478 |
| Tap water | 1,175 | 1,253 | 1,410 |
| Recycled water | 69 | 61 | 68 |

| DOCOMO and 11 functional subsidiaries | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|
| Total consumption | 963 | 859 | 830 | 655 |
| Tap water | 900 | 803 | 784 | 603 |
| Recycled water | 63 | 56 | 46 | 52 |

# Response to Climate Change

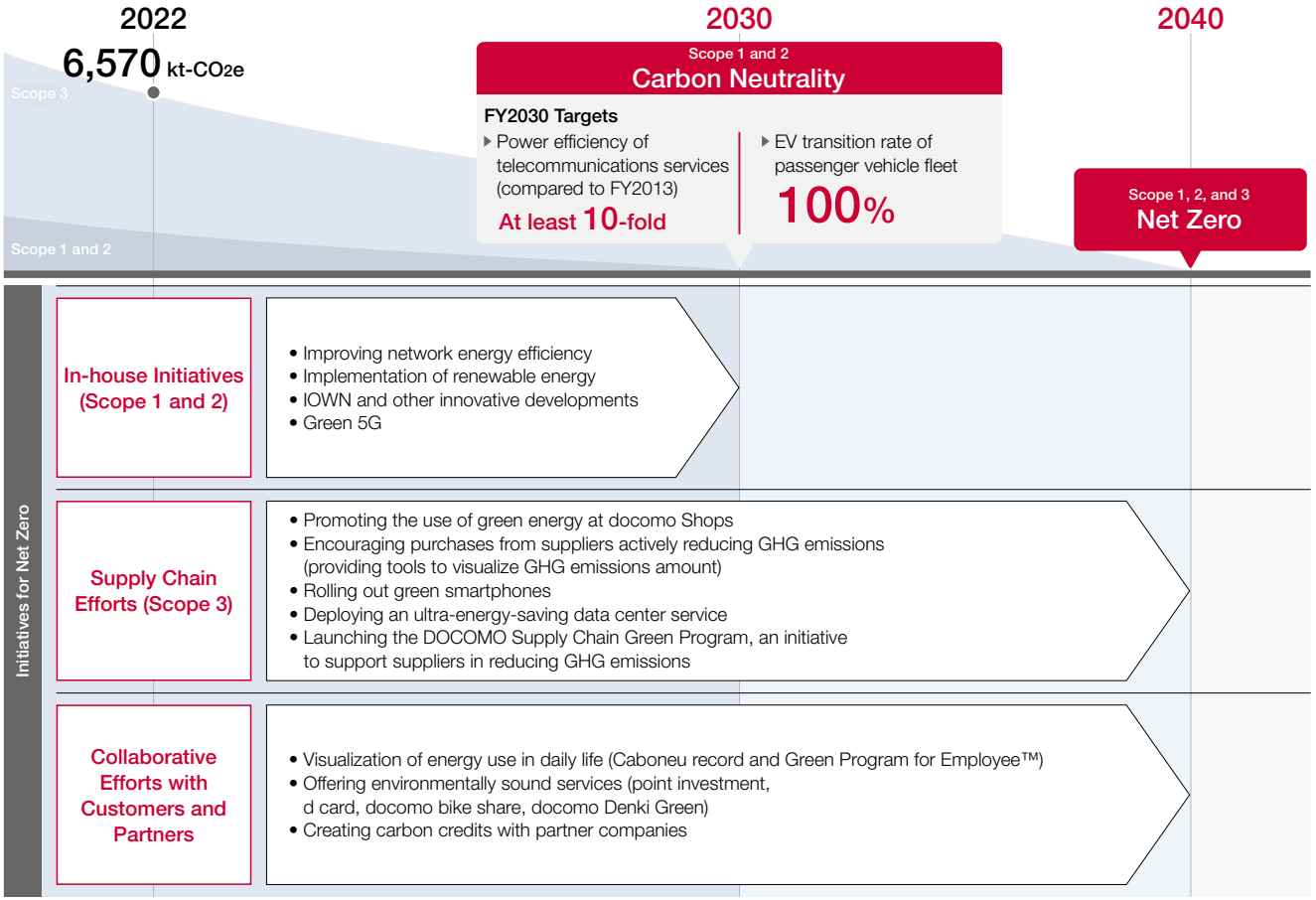
## Basic Policy

Reducing $CO_2$ and other greenhouse gas emissions, which are known causes of global warming, is a vital issue for society. Advances in ICT have been accompanied by a rise in electricity consumption, which has also led to increasing calls for energy conservation. Conversely, ICT also possesses the potential to help realize lower society-wide energy consumption and $CO_2$ emissions.

The NTT DOCOMO Group will contribute to reducing $CO_2$ emissions of society as a whole and adapting to climate change by providing ICT services, advanced technologies, and products and services that contribute to carbon neutrality. Through these efforts, we will work toward the creation of a decarbonized future.

## Net Zero by 2040

The NTT DOCOMO Group aims to achieve carbon neutrality in its business operations (Scope 1 and 2) by 2030, followed by net-zero greenhouse gas emissions, including the supply chain (Scope 3), by 2040. The Group also collaborates with customers and partner companies to promote overall decarbonization in society.



# In-house Initiatives (Scope 1 and 2)

## 1 Improving Network Energy Efficiency

We will promote the development and introduction of technologies and equipment to reduce power consumption in telecommunications networks by upgrading the sleep functions of base stations, actively installing air conditioning control systems with self-learning functions and power-saving devices for 5G, deploying consolidated base station and sourcing power directly from high-voltage DC equipment with small electrical power loss, and other suitable efforts.

### Initiative 1 Balancing Electricity Use through the Demand Response Initiative Program

Electricity supply and demand has attracted increasing attention due to the necessity of balancing electricity supply and consumption. In the summer of 2022, the Japanese government issued a power usage warning in response to a possible power shortage due to extreme heat. Under these circumstances, NTT DOCOMO engaged in a demand response (DR) program for the first time to balance power consumption at the 22 wireless base stations located in the Kanto area. In the program, the DOCOMO EMS platform receives a signal from a power company requesting power saving and selects the target sites and timing for saving power. Target base stations will use power from storage batteries when power should be saved to reduce electricity use. Currently, the DR program is operated using storage batteries installed in base stations and docomo Shops in areas controlled by the Tokyo Electric Power Company and Shikoku Electric Power Company, thereby contributing to the stabilization of regional power and telecommunications services.

## 2 Implementation of Renewable Energy

We will promote the use of renewable energy sourced directly from solar power plants and similar facilities dedicated to supplying NTT DOCOMO. In addition, we will purchase non-fossil fuel certificates for designated renewable energy sources, effectively raising the percentage of energy used by NTT DOCOMO classified as renewable to 100%. In fiscal 2022, we shifted the electricity used in our research facilities to green energy, and in fiscal 2023 all telecommunications buildings and offices owned and operated by NTT DOCOMO were successfully transitioned to green energy. The percentage of renewable energy was effectively 43.3% for fiscal 2024.

### Initiative 2 Setting up Off-Site PPAs

NTT DOCOMO has been gradually introducing more than 59 GWh of electricity annually procured from solar power plants, through the off-site corporate PPA* mechanism, to its buildings in the Kanto, Kansai, and Chugoku regions since July 2025. Combined with the purchase of non-fossil fuel certificates designated for renewable energy, this initiative enables NTT DOCOMO-owned and -operated buildings to effectively achieve 100% renewable energy use. It is expected to reduce annual greenhouse gas emissions by approximately 26 kt-$CO_2$e.

In the Tohoku, Hokuriku, and Kanto regions, off-site PPAs were introduced at 15 buildings in fiscal 2024. Three of these in Tohoku also started using electricity generated from biomass power, in addition to off-site PPAs. By making use of underutilized wood in Akita Prefecture as the main fuel, this biomass power generation supports local energy production for local consumption while helping to revitalize forestry. Biomass power generation was also introduced at one building in the Chugoku region in fiscal 2022. NTT DOCMO plans to complete off-site PPA procurement for a total of 32 buildings between fiscal 2022 and fiscal 2025, introducing 81 GWh of electricity annually.

As of 2024, the reduction in greenhouse gas emission from DOCOMO buildings that have introduced off-site PPAs, including the use of non-fossil fuel certificates, is approximately 43 kt-$CO_2$e.

*Corporate PPA (power purchase agreement) is a long-term contract under which a buyer agrees to purchase renewable energy from the power producer. Under an off-site PPA, power is sent from a distant power plant to a business through a power transmission and distribution network.

### Initiative 3 Building Green Base Stations

About 70% of the electricity that NTT DOCOMO consumes is used at base stations nationwide. Therefore, to reduce $CO_2$ emissions from this power use, we are upgrading existing stations to green base stations by installing solar panels and high-capacity rechargeable batteries. As of March 2024, 332 green base stations were in operation. Electricity generated by solar panels is supplied to the base station, and lithium-ion batteries store surplus generated electricity as backup for possible long-term power disruptions during a disaster. We have also installed an energy management system platform, developed and operated by NTT DOCOMO (DOCOMO EMS platform), to visualize the amount of power produced or $CO_2$ emissions reduced at each area or base station to help optimize operations. In fiscal 2024, we continued deploying container-type green base stations and further reduced their construction costs.

## 3 IOWN and Other Innovative Developments

We will achieve faster, more energy-efficient communications through introducing IOWN photonics-electronics convergence technology by 2030, in addition to developing technologies that help reduce greenhouse gas emissions from next-generation networks and information processing platforms.

## 4 Initiatives toward Green 5G

Mobile network communications consume significant amounts of electricity to operate base stations and switching centers. In fiscal 2024, the effective renewable energy ratio for electricity used in mobile network operations reached 43.7%, exceeding the ratio of 5G subscriptions (40.8%). This

indicates that NTT DOCOMO covered the electricity required for 5G communications with renewable energy, achieving an environmentally friendly 5G network service with net-zero greenhouse gas emissions.

Note: Scope for all DOCOMO power consumption and renewable energy volume is DOCOMO and 11 functional subsidiaries, which mainly engage in the telecommunications business.

### 5 Other

**Initiative 4** 100% EV Transition of Passenger Vehicle Fleet

Following NTT's action to become a member of the EV100* initiative at the end of 2018, NTT DOCOMO will transition all passenger vehicles owned by the NTT DOCOMO Group to EVs by the end of fiscal 2030. As of the end of fiscal 2024, 757 vehicles nationwide have been changed to EVs.

*A global initiative in which companies promote the use of electric vehicles and other environmental actions.

## Supply Chain Efforts (Scope 3)

### 1 Promoting the Use of Green Energy at Docomo Shops

With the cooperation of our sales agents, we will promote the installation of solar panels at docomo Shops to reduce electricity loss by directly supplying electricity from solar panels to the shop. We also intend to convert electricity consumed at docomo Shops to be sourced from a 100% renewable energy by fiscal 2030, by proactively using a renewable energy plan provided by electric power companies.

*Effectively 100% renewable energy includes the use of non-fossil fuel certificates designated as renewable energy.

### 2 Encouraging Purchases from Suppliers Actively Reducing Greenhouse Gas Emissions*

We encourage the selection of environmentally conscious suppliers and products for the procurement of telecommunications infrastructure and related equipment. In addition, we collaborate with suppliers to reduce greenhouse gas emissions by providing $CO_2$MOS® to support visualizing the volume of greenhouse gas emissions associated with the manufacturing of facilities and products while also offering analytical consulting services.

*Equivalent to or higher than DOCOMO's reduction target.

### 3 Rolling out Green Smartphones

We support the sales of smartphones and other products made using environmentally sound manufacturing processes, such as reducing $CO_2$ emissions. We strive to visualize the positive effects of customer choices on the environment by listing the environmental consideration level of each model and linking that to the Caboneu record*.

*The Caboneu record is a service that records and visualizes the eco-friendliness of a user's daily activities.

### 4 Deploying an Ultra-Energy-Saving Data Center Service

In March 2025, we released the Green Nexcenter®, an ultra-energy-saving data center service that applies direct liquid cooling* to address high-heat-generating servers. The Green Nexcenter® will be introduced at existing data centers during their renovation and be part of the construction of future data centers to support the sustainability management of corporate customers.

*Direct liquid cooling is a method for cooling heat-generating processors on server equipment motherboards by directly supplying liquid to the heat sink used to dissipate heat from the component.

## Collaborative Efforts with Customers and Partners

### 1 Visualization of Energy Use in Daily Life

We offer the Caboneu record, a service that visualizes user contribution to $CO_2$ reduction and other environmental actions in an easy and enjoyable way. We also offer the Green Program for Employee™, a service that enables the employees of corporate customers to visualize $CO_2$ reduction, thereby motivating them to adopt eco-friendly practices and fostering personnel and corporate cultures that drive the shift to green power.

**Initiative 1** Providing the Caboneu Record

We launched the Caboneu record in January 2023 to monitor the eco-friendliness of a user's daily activities and to encourage participation in environmental actions while having fun. The service calculates the degree to which the user's eco-friendly activities has reduced $CO_2$ emissions by applying a calculation formula defined by NTT DOCOMO and visualizes the level of contribution to environmental protection.

**Initiative 2** Providing Carbon Management Solutions (NTT DOCOMO BUSINESS)

To support the carbon neutrality initiatives of corporate customers, NTT DOCOMO BUSINESS is offering comprehensive carbon management solutions that include effective data collection using IoT tools, consulting support for implementation, visualization of greenhouse gas emissions, and analysis services through an approach customized to each industry and company. These solutions support customers in making decisions aligned with their environmental strategies, streamlining the process for calculating emissions, and accelerating the reduction of greenhouse gas emissions throughout the supply chain.

## 2 Offering Environmentally Sound Services—Docomo Denki Green

In collaboration with NTT Anode Energy Corporation, we entered the electric power business and are offering a service called docomo Denki™ as an agent. We will work toward carbon neutrality for all of society by offering docomo Denki Green, a service that offers electricity that produces net-zero $CO_2$ emissions*.

In June 2024, we agreed to collaborate with the demand response service of docomo Denki and the energy-saving remote control platform provided by Sharp Corporation. We are considering a service that remotely controls and conserves the electricity use of home appliances without sacrificing comfort during the hours when demand response is in place. Demand response is designed to balance the demand and supply of electricity by controlling electricity demand to match supply. Additionally, we aim to offer other efficient electricity services that help each customer save energy.

*Achieved with non-fossil fuel certificates designated as renewable energy.

ドコモでんき Green

—THEO + docomo
THEO + docomo (in Japanese only)

THEO GREEN

—about SUSTAINABLE FASHION
about SUSTAINABLE FASHION (in Japanese only)

—Green Action by d-shopping
Green Action by d-shopping (in Japanese only)

—docomo bike share
docomo bike share (in Japanese only)

—d car share
d car share (in Japanese only)

—Jimotee Sukusuku Baton (community network for reusing children's items)
P. 85 Collaboration with the Local Communities at docomo Shops

## 3 Creating Carbon Credits with Partner Companies

Alongside partner companies, we are creating J-Credits from the forests we manage and from reducing methane gas emissions released by rice paddies.

### Initiative 1 Contribution to Local Communities and Environmental Conservation at Docomo Woods in Furano

On July 25, 2024, NTT DOCOMO and Furano City, Hokkaido signed a Basic Agreement on Sustainable Forest Management, under which NTT DOCOMO is able to use forest owned by the city as docomo Woods Furano. Under this agreement, we have begun activities to contribute to the local community and the realization of a decarbonized society, such as creating J-Credits, implementing smart forestry practices, and promoting environmental education.

Specifically, we are working to register a J-Credit project that uses forest carbon sequestration. We are also conducting a verification test of a smart forestry machine developed by NTT DOCOMO to reduce labor and energy requirements at a 160.42-hectare forest owned by Furano City. In addition, we are raising the environmental awareness of the next generation through hands-on educational activities for children in Furano City.

This initiative is part of a public-private partnership for achieving the goals of Furano Zero-Carbon City by 2050 and DOCOMO Group Net-Zero by 2040 by creating new value through forest conservation and environmental education.

## Pilot Demonstration on Achieving Carbon Neutrality with Communities and Partner Companies

### Case 1 Collaborating with Communities on Energy Management

Since 2019, NTT DOCOMO has been collaborating with Sendai City in a pilot demonstration on regional energy management to visualize and remotely control power consumption and generation as well as battery storage data. To enhance disaster preparedness, the DOCOMO EMS platform integrates management of power from solar panels installed in designated emergency evacuation areas as well as storage battery charge and consumption. We hope to improve the effectiveness of operations by tracking the amount of power reserved in the storage battery during times of disaster. In ordinary times, the platform observes the peak power of each base station and discharges storage battery as an automated power control option that can help reduce basic electricity costs.

### Case 2 Developing a Next-Generation Energy Network Utilizing Mobile Phone Base Stations (Exergy Power Systems and Yamanashi Prefecture Corporate Affairs Bureau)

In 2023, NTT DOCOMO launched a virtual power plant (VPP*) pilot demonstration that uses small, distributed storage batteries as part of a sustainable energy system to help maintain a stable power supply. In this demonstration, solar panels and storage batteries were installed at docomo Shops, wireless base stations, and at the site of the Yamanashi Prefecture Yonekurayama Next-Generation Energy System Research and Development Village. The solar panels and batteries were connected to the DOCOMO EMS platform to test remote monitoring and control of power generation and storage facilities.

The DOCOMO EMS platform visualizes the status of power generated by installed solar panels and the remaining power in storage batteries while also enabling centralized remote control of storage battery charge and discharge. The system can be used in demand response during power shortages and facilitate a systematic charging and consumption of power taking into account possible emergencies. Power generated and charged during the demonstration is delivered to docomo Shops or stored as an emergency power supply. We also plan to develop new services to support the consumption of power in the region where it was produced. Going forward, we intend to recommend that this type of small storage battery system be installed in non-governmental commercial establishments and at manufacturing sites.

*Functions like a power plant by controlling the energy resources of consumers, in addition to having the owners of power generation equipment or storage battery equipment directly connected to the power grid or a third party control the energy resource.

### Case 3 Expanding Residential Solar Power Generation System and Storage Battery (NTT Anode Energy and NTT Smile Energy)

NTT DOCOMO is collaborating with NTT Anode Energy and NTT Smile Energy, the two NTT Group companies that engage in smart energy, in the launch of a pilot demonstration in May 2023 for expanding the adoption of renewable energy using solar power generation and storage batteries. Smile Energy will provide energy services using solar power and storage batteries to households in target areas. Going forward, we will draw upon findings and data obtained from this demonstration and apply the resources and expertise of the three companies to deliver consumer services in the energy field, implement new ways to use storage batteries during black outs, and engage in power balancing to realize a decarbonized society.

## Group-Wide Initiatives to Promote Environmental Awareness

In order to promote understanding of the NTT DOCOMO Group's environmental initiatives within the Company, we held e-learning training sessions for all employees and disseminated information through the internal communications site and videos. According to a sample survey, the e-learning participation rate in May 2024 was 85.8%. Furthermore, we have been recruiting Caboneu ambassadors from a pool of NTT DOCOMO Group employees nationwide to actively share information and encourage activities at each office. In fiscal 2024, approximately 1,000 Caboneu ambassadors worked to spread awareness and initiate activities throughout the Company.

In May 2024, we launched the Environmental Skill Development Program to foster human resources who specialize in skills related to the environment and can lead the NTT DOCOMO Group.

### FY2024 e-learning Training Content

- DOCOMO's sustainability policy
- Actions against climate change: fundamentals and case studies
- Resource circularity: fundamentals and case studies
- Biodiversity: fundamentals and case studies, and others (conducted using slides and quizzes)

P. 17 Initiatives for Spreading Sustainability

## 1.5°C Target Validated by the SBT

In February 2021, NTT DOCOMO became the first Japanese mobile carrier to be validated by the Science Based Targets initiative (SBTi) for its greenhouse gas reduction target to be achieved by fiscal 2030. We subsequently set new targets: carbon neutrality for Scope 1 and 2 by 2030 and net zero for Scope 3 by 2040, announced in 2021 and 2023, respectively.

SCIENCE BASED TARGETS
DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

➤ Greenhouse Gas Emission Reduction Targets

| Category | GHG Reduction Target |
|---|---|
| Scope 1 and 2 | 50% reduction by fiscal 2030 from fiscal 2018 (SBT 1.5°C target) |
| Scope 3 | 14% reduction by fiscal 2030 from fiscal 2019 |

## Environmental Solution Labels

The NTT Group is implementing Environmental Solution Labels, a labeling system for environmental solutions for improving communication with customers by quantifying the effects of $CO_2$ reductions achieved through the use of ICT services. The criterion for obtaining certification is to demonstrate that the ICT service reduces $CO_2$ emissions by at least 15%. NTT DOCOMO has obtained the Environmental Solution Label for the following solutions.

| Certified Solutions |
|---|
| LTE service |
| Docomo's LoRa® solution |
| docomo sky Cloud |

We will continue to provide customers with a convenient and comfortable communications environment as well as ICT-based solution services while helping reduce environmental impact for society as a whole.

ECO

# Response to TCFD Recommendations

In June 2017, the Task Force on Climate-related Financial Disclosures (TCFD*) released its final report, Recommendations of the Task Force on Climate-related Financial Disclosures. NTT DOCOMO announced its support for the recommendations in June 2019. In line with the TCFD framework, we will disclose relevant information on risks and opportunities associated with climate change.

TCFD | TASK FORCE ON CLIMATE-RELATED FINANCIAL DISCLOSURES

*Established in 2015 by the Financial Stability Board in response to a request from the G20, the TCFD assesses and rates corporate risks and opportunities associated with climate change. Its final report recommended disclosing information in the four core elements of organizational management: governance, strategy, risk management, and metrics and targets.

## Governance

The NTT DOCOMO Group established the Sustainability Management Committee as an organ for top management to confirm and discuss issues and KPIs related to climate change in meetings held twice a year. It is chaired by the president and CEO and consists of the main members of the Board of Directors. The board receives reports on the current status of climate change initiatives and future policies semiannually to supervise progress and provide instruction. Discussions by the committee on issues, including the Group's response to climate change, are thereby reflected in any revisions made to business strategies and instructions issued by the Board of Directors. Furthermore, climate change-related KPIs are reflected in the compensation for directors.

## Risk Management

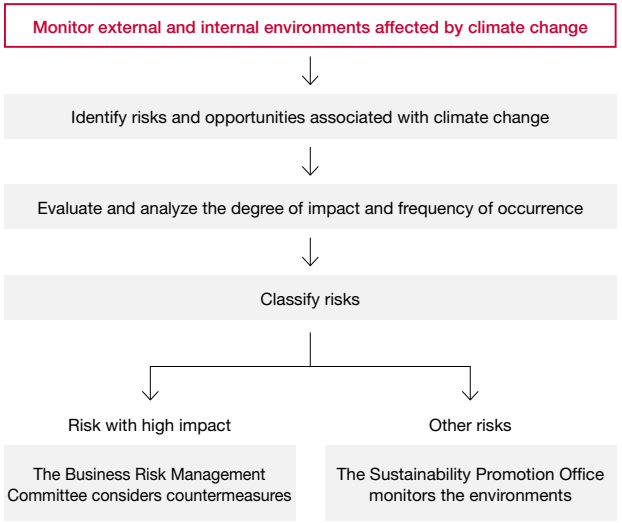
In accordance with our Risk Management Principles, we identify any risks that surround the Company, including climate change, periodically every fiscal year. The Business Risk Management Committee, headed by the president and CEO, then designates risks that require Company-wide management.

In designating the risks, the NTT DOCOMO Group first identifies new risks based on assessment of the current status as well as internal and external circumstances, thereby reflecting social change in the process. The Business Risk Management Committee then designates Company-wide risks through an evaluation and analysis of the degree of their impact and frequency of occurrence.

The Sustainability Promotion Office examines those Company-wide risks as well as climate-related risks that have not been identified as Company risks by the committee, and it makes a list of the registered risks and opportunities to address after designating them.

In addition, we have organized the NTT DOCOMO Group's activities, products, and services into seven domains and identified issues that need to be addressed by determining whether they adversely impact the environment in these seven domains.

**➤ Risk Management Process Flow**




**➤ Seven Domains**

| | |
|---|---|
| Manufacturing | Procurement Domain |
| R&D | R&D Domain |
| Telecommunications Facilities | NW Facilities Domain |
| Sales | Sales Domain |
| Customers | Customers Domain |
| Recycle Center | Communication Device Domain |
| Office | Office Domain |

# Strategy

## Scenario Analysis

As manifested in one of our four pillars designed to drive the NTT DOCOMO Group's challenge, "pursuing business and ESG practices integrally to contribute to the creation of a sustainable society," we defined sustainability as the foundation of our business. We will engage in business on this foundation and pay due consideration to the diverse risks and opportunities surrounding the Group as we push ahead to create a new world.

With respect to risks and opportunities of climate change, particularly we have assessed that it has a significant financial impact on all areas of our business, and have been addressing climate change under the DOCOMO Group's Environmental Targets—Green Action Plan. Additionally, following the TCFD recommendations, we are examining the impact on our business and resilience of our strategies under various climate-related scenarios.

**➤ Scenario Analysis Process**

STEP 1 Define a scenario by referring to climate-related characteristics

STEP 2 Identify and evaluate risk factors that clearly affect the business P. 42

STEP 3 Consider potential responses to the identified risk and opportunity factors P. 43

### STEP 1 Scenarios Defined

The NTT DOCOMO Group reports the results of its scenario analysis, covering extreme cases of both physical risks and transition risks.

**1. Scenario in which physical impacts become evident**
A future in which the average temperature has risen by 4°C

- Effective climate change measures are not taken
- Temperature rises, regional differences in precipitation widen, sea levels rise, and Arctic sea ice melts
- Increase in abnormal weather events, etc.

**2. Scenario in which the decarbonization of society is rapidly achieved**
A future where the target of below 2°C, including the 1.5°C target, has been attained

- Society as a whole shifts toward carbon neutrality and makes rapid progress in reducing $CO_2$
- Tightening of regulations, including carbon pricing, etc.

**Scope** All operations of the DOCOMO Group

**Timeframe** Establish short-term, medium-term, and long-term timeframes by year up to 2040.

We referred to the following in constructing each scenario.

**1. Scenario in which physical impacts become evident**

- Intergovernmental Panel on Climate Change (IPCC), Sixth Assessment Report and IPCC Special Report on Global Warming of 1.5°C
- International Energy Agency (IEA), The Future of Cooling (2018), Baseline scenario
- Central Research Institute of Electric Power Industry, Survey on Scenario Analysis Regarding Climate Related Risk, Current Policy Scenario
- Ministry of Land, Infrastructure, Transport and Tourism, Technical Study Committee on Flood Control Plans Reflecting Climate Change, Recommendations for Flood Control Plans Reflecting Climate Change, RCP8.5 Scenario

**2. Scenario in which the decarbonization of society is rapidly achieved**

- IEA World Energy Outlook 2023 Net-Zero Emissions Scenario (NZE)
- IEA The Future of Cooling 2018 Efficient cooling scenario
- Central Research Institute of Electric Power Industry, Survey on Scenario Analysis Regarding Climate Related Risk, NZE Scenario

Applying the above methodology, we identified the impacts on the DOCOMO Group by considering possible future events and future business development. Using the results as a premise, we categorized DOCOMO Group's initiatives for responding to the assumed impact.

## STEP 2 Results of Scenario Analysis

### 1. Scenario in which physical impacts become evident

| | Physical Aspects of the Scenario | DOCOMO Group's Risks | Financial Impacts Assessed | Financial Impact*1 | Timeframe*2 | DOCOMO Group's Countermeasures |
|---|---|---|---|---|---|---|
| Acute | Heavy rains, torrential downpours<br>Increased flooding<br>Increased typhoons | • Suspension of transmission at base stations<br>• Unstable supply of telecommunications services<br>• Decline in reliability<br>• Decrease in demand for products and services, decrease in sales | • Restoration costs of DOCOMO-owned buildings due to flooding<br>• Restoration costs of base stations due to flooding<br>• Loss from business suspension due to flooding | Small | Medium term | • Construction of disaster-resilient telecommunications networks |
| | | • Damage to base stations | | | | • Introduce systems and develop services related to abnormal weather events<br>• Physical countermeasures against disasters at base stations and telecommunications buildings |
| | | • Suspended operations at sales representatives (docomo Shops) and decline in revenue | | | | |
| | | • Cancellation of products and services due to supply chain interruptions | | | | |
| Chronic | Increased days with temperatures above 30°C | Higher electricity costs due to increased consumption of power used for cooling facilities | Increase/decrease in electricity consumed related to air conditioning facilities | Medium | Long term | Improved energy efficiency of air conditioning at telecommunications facilities and data centers |

### 2. Scenario in which the decarbonization of society is rapidly achieved

| | Transition Scenario | DOCOMO Group's Risks | Financial Impacts Assessed | Financial Impact | Timeframe | DOCOMO Group's Countermeasures |
|---|---|---|---|---|---|---|
| Government policies and regulations | Tighter regulations (improved energy efficiency, carbon pricing, etc.) | • Higher global warming taxes<br>• New carbon pricing systems<br>• Rise in electricity costs due to the introduction of regulations for improving energy efficiency | Carbon tax cost increase | High*3 | Long term | • Improve energy efficiency in the telecommunications business<br>• Purchase certificates and introduce internal carbon pricing |
| | Recommendations by industry groups such as the GSMA | • Obstacles to 5G transition, expansion of IoT and other aspects posed by recommendations proposing zero $CO_2$ emissions by 2050, and other requirements | | | | |
| Industries and markets | Fluctuation in energy prices | • Rise in electricity cost | Electricity cost increase/ decrease | Medium | Long term | • Introduce renewable energy sources such as solar power generation and shift to EVs<br>• Improve energy efficiency in the telecommunications business<br>• Energy saving actions such as offering eco-friendly products |
| | Heightened demand for decarbonization from customers, including corporate customers (procurement requirements) | • Fewer new subscriptions and more cancellations if corporate efforts are deemed insufficient | | | | |
| Reputation | Rise in reputational risk concerning climate change actions | • Loss of customers and impact on stock price, and decline in corporate image if corporate efforts are deemed passive | | | | |

*1 Financial impacts are assessed on three levels: high, medium, and low based on the magnitude of impact over financial indicators.
*2 Timeframes are categorized as short term (less than 3 years), medium term (3 to 6 years), and long term (6 years or more).
*3 The estimated financial impact, assuming the level of $CO_2$ emissions (Scope 1 and 2) in fiscal 2040 is equal to fiscal 2022, is approximately 33.0 billion yen. We expect to avoid this by achieving net zero by 2040.

## STEP 3 Response to Identified Risks and Opportunities

**➤ Response to Physical Risks***

| Type of Risk | Risk Factor | Risk Details |
|---|---|---|
| Physical risk | Chronic | Higher electricity costs due to increased consumption of power used for cooling facilities |

*Acute or chronic risk posed by climate change

Beyond the apparent physical risks due to climate change, such as frequent natural disasters, including flooding triggered by extreme weather events and rising sea levels caused by a prolonged increase in global temperatures, NTT DOCOMO Group also recognizes a physical risk of higher electricity costs. These costs are driven by rising average temperatures that necessitate the consumption of more electricity to maintain optimum facility temperatures. Communication facilities and data center equipment responsible for NTT DOCOMO Group's telecommunications services are installed and operated throughout Japan. These facilities and equipment are operated at all times under optimum temperatures between 10°C and 35°C. When the temperature rises above that range, operating system shutdowns and malfunctions may disrupt the provision of services and potentially affect our more than 80 million customers. With the inclusion of these risks, the Business Risk Management Committee of the NTT DOCOMO Group designated "profit deterioration due to a delayed response to failures and malfunctions" as a Company-wide risk.

The committee formulated a concrete management policy to undertake appropriate actions to manage such risks. These actions include establishing an optimal backup system and developing readily available equipment in addition to measures currently being undertaken by the Network Department. Any occurrence of risk will be handled by this department through various operations. Related measures include establishing technical support and emergency systems, early recovery measures for failures, disseminating information to frontline departments and customers, and reporting to executives. Physical risks must be managed from a long-term perspective, and the committee will continue to implement the necessary monitoring to minimize those risks.

**➤ Response to Transition Risk***

| Type of Risk | Risk Factor | Risk Details |
|---|---|---|
| Transition risk | Policies and laws | Cost increase due to introduction of a carbon tax and purchase of carbon credits (emission allowance) |
| Transition risk | Industries and markets | Cost increase due to a rise in energy prices |

*Risk posed by climate change-related regulations, technological development, and changes in the market environment

In regard to risks associated with the transition to a decarbonized society, such as those related to regulatory, technological, or market changes, the NTT DOCOMO Group believes that the introduction of a carbon tax and rise in electricity prices, which will increase overall costs, will have a substantive financial impact on our business.

From this standpoint, the Group's Green Action Plan, outlining its environmental objectives, sets targets for reducing greenhouse gas emissions and boosting power efficiency per unit of communication. Specifically, by achieving carbon neutrality by 2030 for greenhouse gas emissions from our business operations (Scope 1 and 2) and net zero from operations, including the supply chain (Scope 3) by 2040, we expect to avoid the cost increase associated with the new carbon tax.

To achieve this plan, we have established expert subcommittees under the Environmental Management System, formulated action plans for each expert subcommittee, and reported on the progress, discussed, and made decisions related to the measures to be taken at Sustainability Management Committee meetings—an executive meeting attended by all representative directors. The committee will continue to monitor areas associated with transition risks to minimize any negative impact they may have on our businesses.

➤ **Response to Opportunities**

| Types of Opportunities | Opportunity Factors | Details of Opportunities |
|---|---|---|
| Resource efficiency | • Improved energy efficiency<br>• Improved transportation efficiency<br>• Improved efficiency in production and distribution processes<br>• Efficient buildings and construction | **Cost reduction by promoting higher energy efficiency in the telecommunications services**<br>• Upgrade the base station sleep function, introduce a virtual wireless base station<br><br>**Cost reduction by improving energy efficiency of air conditioning at telecommunications facilities and data centers, sales expansion**<br>• Improve the energy efficiency of air conditioning facilities and IT equipment at data centers by using new technologies (Green Nexcenter), reduce electricity consumption by various power reduction measures |
| Energy sources | • Use of low-carbon energy sources<br>• Use of policy incentives and new technologies<br>• Participation in the carbon market | **Stabilize energy cost by introducing solar power generation and other renewable energy sources**<br>• Build green base stations, introduce off-site PPA<br>• Research and develop hydrogen and fuel cell batteries<br><br>**Business expansion through participation in the carbon market**<br>• Create J-Credits with partner companies |
| Products and services | • Development and expansion of low-pollution products and services<br>• Development of new products and services through R&D and innovation<br>• Diversification of business activities and changes in consumer preferences | **Expand sales by developing and delivering services and technologies that help reduce $CO_2$ emissions**<br>• Provide the Caboneu record and the Green Program for Employee to visualize the volume of reduced $CO_2$ emissions<br><br>**Expand sales and enhance the corporate image through energy-saving initiatives such as the sale of environmentally sound products**<br>• Provide green services and roll out green smartphones<br>• Visualize the positive effects on the environment of customer choices by listing the environmental consideration level of each model and linking that to the Caboneu record |
| Resilience | • Increased demand for new products and services related to ensuring resilience<br>• Alternative resources and diversification of resources | **Enhance reliability by creating disaster-resistant telecommunications networks**<br>• Area coverage using multiple base stations, implement remote control of service areas, establish medium-and large-zone base stations<br>• Make use of satellite link and micro link<br><br>**Enhance corporate value and increase business opportunities by introducing systems and developing services related to abnormal weather events**<br>• Develop the Disaster Message Board Service and the disaster voice mail delivery system<br>• Increase the utilization ratio of online procedure services, introduce the online store visit system |

## Future Initiatives

Potential future impacts of climate change on DOCOMO's business as derived from our scenario analysis are generally being addressed through our ongoing initiatives and preparations for achieving the New DOCOMO Group Medium Term Strategy and the Green Action Plan. We will continue to achieve progress in initiatives to reduce greenhouse gas emissions based on the results of the scenario analysis.

## Metrics and Targets

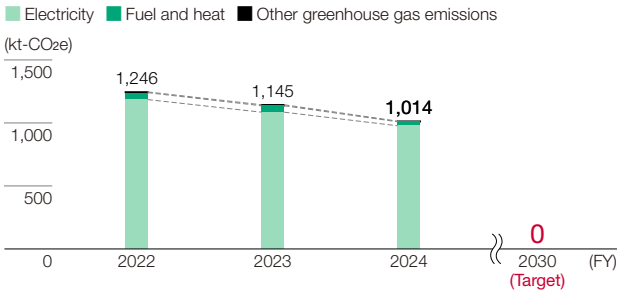
As a medium-term target, NTT DOCOMO Group intends to achieve carbon neutrality regarding greenhouse gas emissions from its business (Scope 1 and 2) by 2030, and net-zero greenhouse gas emissions including its supply chain (Scope 3) by 2040.

Disclosures on our targets and results for managing climate-related risks and opportunities are outlined in the table below. Please refer to P. 32 for actual data on greenhouse gas emissions.

| Index | Target | Target FY |
|---|---|---|
| Greenhouse gas emissions | Net zero (Scope 1, 2, and 3) | 2040 |
| | Carbon neutrality (Scope 1 and 2)* | 2030 |
| EV transition rate of passenger vehicle fleet | 100% | 2030 |
| Power efficiency per unit of communication | At least 10-fold (compared to the FY2013 level) | 2030 |

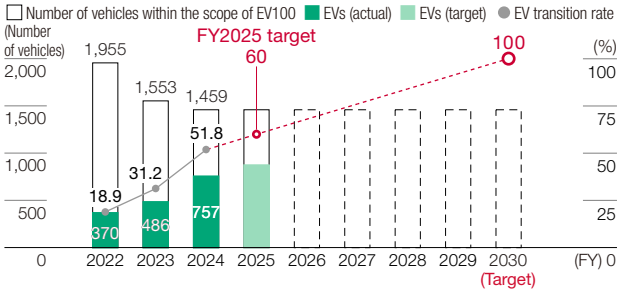
*Reduced $CO_2$ emissions from DOCOMO's business activities (Scope 1 and 2 emissions under the GHG Protocol); includes renewable energy purchased with non-fossil fuel certificates for designated renewable energy sources; and covers consolidated subsidiaries within and outside Japan.

➤ **Greenhouse Gas Emissions (Scope 1 and 2)**



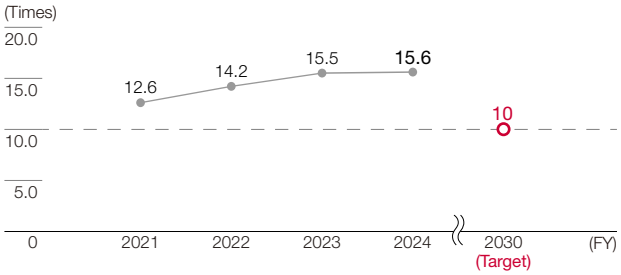

Scope: DOCOMO Group

➤ **EV Transition Rate of Passenger Vehicle Fleet**




Scope: DOCOMO, DOCOMO CS companies, DOCOMO BUSINESS, DOCOMO SOLUTIONS

➤ **Power Efficiency of Telecommunications Services (Compared to FY2013)**




Scope: DOCOMO

# Creation of Circular Economy

## Basic Policy

The NTT DOCOMO Group will contribute to the responsible use of resources by applying the 3Rs (reduce, reuse, recycle) in its telecommunications facilities, leveraging ICT, and implementing initiatives to utilize resources efficiently throughout the entire lifecycle of products and services, from procurement to disposal.

## Initiatives toward a Sustainable Society

### Reducing Waste

We strive to reduce waste by accurately tracking the amount of resources used in developing and selling mobile phones, constructing and operating network facilities, managing shops, and conducting administrative work at offices, thereby facilitating their efficient use. When waste is generated despite these efforts, we do our best to reuse or recycle it with the goal of approaching a final disposal volume of zero. For example, optical fiber, iron scrap, concrete poles, and other waste produced when facilities are dismantled are reused or recycled to the extent possible.

Additionally, we adhere to the NTT Group Sustainability Design Guidelines for Buildings and actively use recycled materials or recyclable and reusable materials when constructing or upgrading telecommunications facilities and buildings.

With regard to providers of recycling services, we make every effort to ensure that they appropriately handle all waste, prevent illegal dumping, and carefully manage manifest slips.

Since fiscal 2022, we have been using the waste recycling rate as our metric and reducing waste with an increased focus on improving the recycling rate.

| Index | Target | Target FY |
|---|---|---|
| Waste recycling rate | 99% | 2030 |

### Hazardous Waste Management

NTT DOCOMO's operations generate hazardous waste, such as polychlorinated biphenyl (PCB). PCBs are managed and disposed of in strict accordance with the Act on Waste Management and Public Cleaning (Waste Management Act) and the Act on Special Measures concerning Promotion of Proper Treatment of PCB Wastes (PCB Special Measures Act). In fiscal 2024, there was one violation involving PCB management. While the NTT DOCOMO Group properly manages and disposes of equipment containing PCBs, upon discovery of the incident, we immediately notified the relevant local government and regional environmental office and promptly had the PCB waste disposed of by a contractor. No penalties or fines were imposed, and following the incident, we conducted an internal review and continue to take measures to prevent recurrence.

### Reusing and Recycling Mobile Phones

NTT DOCOMO is selling used smartphones under the brand docomo Certified (smartphones certified by DOCOMO for reuse). Second-hand smartphones are marketed after NTT DOCOMO confirms their basic functions and cleans the outer parts of those with a remaining battery level of at least 80%. Engaging in the reuse business in this way will contribute to a circular economy, and we also anticipate a $CO_2$ emissions reduction within the supply chain by improving the efficiency of manufacturing of new products and shipping.

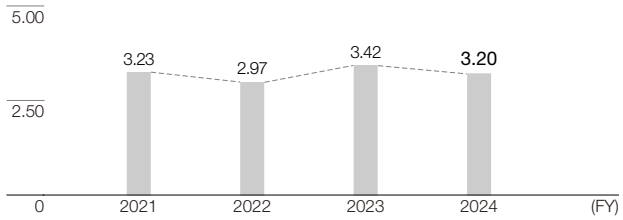
Mobile phones contain gold, silver, copper, palladium, and other materials, all of which are valuable recyclable

materials, particularly in light of Japan's relative lack of mineral resources. NTT DOCOMO has therefore been collecting and recycling used mobile phones since 1998. In 2001, we partnered with the Telecommunications Carriers Association, a trade organization of telecommunications carriers, and established the Mobile Recycle Network, which collects mobile phones at docomo Shops. In 2010, we were certified under the Wide Area Certification System for industrial and general waste by the Minister of the Environment, and in fiscal 2024, we collected roughly 3.2 million phones, bringing the cumulative total to about 131.14 million at docomo Shops and other locations. In addition to circuit boards, which contain rare metals, we also recycle plastic body parts using a technology that converts plastic to oil.

We also endorsed initiatives formulated by GSMA, an organization comprising telecommunications carriers, for advancing a circular economy. In fiscal 2024, we achieved a collection rate of over 20%*1 for used mobile phones and a resale rate of 100%*2. Furthermore, we have established a basic internal standard requiring employees who need mobile phones for business purposes to make use of those retained for internal use.

*1 The percentage of mobile phones collected for trade-ins or recycling relative to the number of mobile phones sold in fiscal 2024.
*2 The percentage of mobile phones sold as docomo Certified (mobile phones certified by DOCOMO for reuse), or transferred to reuse/recycle companies, relative to the number of mobile phones collected for trade-ins or recycling in fiscal 2024.

**➤ Used Mobile Phone Collection (by Fiscal Year and in Approximate Figures)**




**➤ Collected Devices, Etc. (FY2024)**

| | |
|---|---|
| Mobile phones | 3.20 million units |
| Batteries | 1.92 million units |
| Chargers | 0.51 million units |

**➤ Principal Resources Recycled (FY2024)**

| | |
|---|---|
| Copper | 23,865 kg |
| Gold | 32 kg |
| Silver | 121 kg |
| Palladium | 1 kg |

## Plastic Recycling

We produced pallets entirely made of recycled materials by combining plastics recovered from mobile phones collected at docomo Shops with other plastics. The pallets are used when processing mobile phones for recycling. We will continue to advance initiatives that promote a circular economy and protect the global environment by recycling plastics from mobile phones.


## Mobile Phone Disassembly Experience for Kids

Mobile phone recycling involves six steps: collection, transport, sorting, disassembly, conversion to oil, and refining. Through the DOCOMO Sustaina-School: Mobile Phone Disassembly Challenge, children experience the disassembly step of the recycling process. This program is held across Japan, and kids enjoy learning the process of disassembling a mobile phone and sorting different materials. Through this program, we hope to raise awareness of mobile phone recycling and promote resource circulation.


## Response to Plastics

NTT DOCOMO recognizes the effective use of resources, including plastics, as a key environmental concern and is actively recycling waste to achieve its recycling target (fiscal 2030 target: waste recycling rate of 99%). We are also promoting the reduction of industrial wastes generated from business activities, such as plastics used in products, and recycling those resources. The volume of industrial waste from plastic products used by NTT DOCOMO and the recycling rate for fiscal 2024 were 636 tonnes and 99.2%. Moreover, we are recycling containers and packaging delivered to customers in accordance with the law and in collaboration with the Japan Containers and Packaging Recycling Association.

## Reducing Plastic Used in Smartphones

NTT DOCOMO is striving to reduce the amount of plastic used in smartphones while also choosing materials with due consideration of their environmental impact. It started using recycled plastic materials in models that were released in the summer of 2022, some of which include material from scrap fishing nets. In February 2023, we released arrows N F-51C, a smartphone made of about 67%* recycled materials, including recycled plastic. A series of models featuring access to Caboneu record P. 37, a service that supports users to casually engage in environmentally ethical actions, are also being released.

*Represents the percentage of the weight of total recycled materials used to the weight of total parts, calculated by deducting the weight of the battery, display, and other electric and electronic components from the weight of the body.

## Initiatives for Smartphone Accessories —docomo select

docomo select, an NTT DOCOMO official shop, is offering a lineup of safe and secure smartphone accessories and promoting the use of eco-friendly materials in its products and packaging. In particular, it sells smartphone cases made of 100% recycled materials. In addition to gradually changing packaging from plastic to paper, we are reducing waste by lowering the amount of packing materials used for some smartphones.

## Using Eco-Friendly Paper Bag Materials

Paper bags used at all docomo Shops in Japan are made entirely of paper, with no plastic materials, and are printed with water-based inks.


Paper bags used at docomo Shops

## Reducing the Use of Paper Resources

### Group-Wide Approach

We are promoting a paperless office by setting our goal to reduce paper usage essentially zero by 2025. Initiatives implemented at offices for achieving this goal include digitizing internal meeting documents, considering the revision of manuals and rules which had been created under the premise of paper-based operation, and raising employee awareness by visualizing the volume of paper consumed.

## Environmental Approaches Taken at Offices and docomo Shops

We visually communicate monthly paper use per person in our offices in each division and branch to instill greater employee awareness of the need to make a reduction. As a result, the monthly average amount of office paper used per employee in fiscal 2024 declined by 37% compared to the previous fiscal year. Additional measures, such as encouraging paperless meetings by using the internal web conferencing system, personal computers, tablets, and other devices, will be pursued to further reduce paper use.

Moreover, to reduce paper consumption at docomo Shops, we are making every effort to accurately determine the number of promotional tools to prepare and distribute to each shop using an analysis system specifically designed for this purpose. We also use digital signage for advertising to reduce overall paper consumption, including posters. In addition, we make a customer management system accessible from both conventional desktop computers and tablets to meet customer needs by providing electronic forms, thereby reducing paper use.

### Electronic Bills and Statements (e-billing)

In our e-billing service, which is our standard service, customers paying their monthly mobile phone usage charges via bank transfer or credit card can view their monthly bill on their smartphone or personal computer instead of receiving monthly bank transfers and account statements through a postal service.

As of the end of fiscal 2024, there were approximately 24.82 million subscriptions to the service. Our e-billing service has saved the equivalent of around 0.58 billion sheets of A4 size paper a year.

### Other Services Shifting toward Digitalization

- Standardizing the online credit card statement service for d CARD
- Including only the quick start guide (a pamphlet) in the package of Android smartphones and tablets and making detailed user manuals (PDF files) available on the NTT DOCOMO website

## Reducing Water Consumption

We monitor actual water consumption to keep it below the previous year's level and take action as necessary. Initiatives to reduce water consumption at our offices include enforcing water conservation measures and raising employee awareness by visualizing the volume of water consumed.

## Evaluation of Water Risk

The NTT DOCOMO Group evaluated the water risks associated with its operations and identified our data centers as potential locations for high water risks due to their significant water consumption. We used Aqueduct* to assess water stress at and around all our data center locations in Japan and globally. As a result, no location was assessed as having water risk above the Medium-High level.

Status of water stress assessment at data centers
**100%**

*A tool developed by the World Resource Institute to assess water stress

### Reducing Water Consumption in Eco-Friendly Facilities

NTT DOCOMO has been reducing the environmental impacts associated with water consumption in its facilities built in line with the NTT Group Sustainability Design Guidelines for Buildings. The guideline provides basic building design considerations for protecting the global environment in terms of construction and operation with the goal of reducing impact to the greatest extent possible over a building's life cycle. Various efforts are underway at the NTT DOCOMO Yoyogi Building, which was constructed under the guideline, to reduce environmental impact, such as controlling water consumption and recycling rainwater. Beginning with its own facilities, NTT DOCOMO is striving to reduce water consumption to ensure the overall well-being of the environment.

# Conservation of Biodiversity

## Basic Policy

As a basic policy, and in line with the Green Action Plan, NTT DOCOMO will promote initiatives that help achieve the international community's goals of a world living in harmony with nature by 2050 and realizing a nature-positive society by 2030. Our key themes include protecting biodiversity around our telecommunications facilities, responsibly sourcing mineral resources and promoting resource circularity, and leveraging our assets such as ICT and stakeholder engagement through our regional business sites. These initiatives will strengthen our risk mitigation measures, advance NTT DOCOMO's unique efforts to generate ripple effects across society, and lead to realizing a world where people and nature co-exist in harmony as a matter of course.

## Biodiversity Conservation Activities with Local Communities

NTT DOCOMO engages in local biodiversity conservation activities, including the docomo Woods program, as part of its commitment to conserve regional ecosystems. In fiscal 2024, we carried out 55 forest maintenance activities throughout Japan, with 1,068 people participating, including our employees and their families.

➤ **Status of Biodiversity Conservation Activities**

| | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|---|
| Activities held | 11 | 39 | 41 | 59 | 55 |
| Participants | 57 | 308 | 681 | 944 | 1,068 |

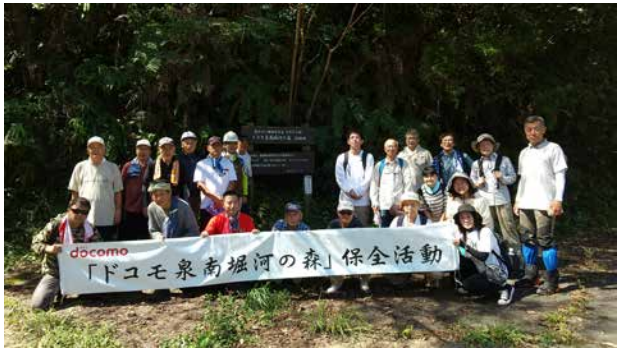
Note: During the COVID-19 pandemic, fewer events were organized, with a limited number of participants per event.

### Initiative 1 Nationally Certified Sustainably Managed Natural Sites

docomo Sennan Horigo Woods in Osaka Prefecture has been certified as a Nationally Certified Sustainably Managed Natural Site by the Ministry of the Environment. We are taking actions to conserve the rich natural environment formed in *satochi satoyama* (community-based forest areas and the surrounding countryside) of southern Osaka as well as their diverse living creatures, including *sasakia charonda* (purple butterfly) and bufo japonicus (Japanese toad), and their ecosystems.

We intend to have one to two sites certified as Nationally Certified Sustainably Managed Natural Sites annually beyond fiscal 2025 and have five sites certified by fiscal 2027.

Our primary focus at currently certified sites is to implement activities that conserve biodiversity. To this end, we undertake area-specific initiatives tailored to local biodiversity conditions, such as fostering employee awareness of ecosystem conservation, collaborating with local stakeholders including local governments, NGOs, community groups, academic institutions, and residents, and using ICT.




docomo Sennan Horigo Woods conservation initiative

30by30

### Initiative 2 Biodiversity Conservation Activities Using the NTT DOCOMO Group's ICT

In the field of forestry, where the industry faces such challenges as an aging workforce and a lack of workers, NTT DOCOMO, representing a consortium with Chikusui Canycom Inc., and the Chiba Pref Forest Owners Association, carried out a verification test for the Forestry Agency of Japan's demonstration project, Operation Test of an Automated Weeding Machine in a Planted Field.

Verification test (automated weeding machine climbing up a field with an angle of about 25 degrees)

P. 71 Operation Test of an Automated Weeding Machine

## Initiative 3 Local Biodiversity Recovery Activities in Collaboration with Stakeholders

NTT DOCOMO has signed a tripartite partnership agreement with Tokorozawa City, Saitama Prefecture and the Nature Conservation Society of Japan (NACS-J) and supports the local government in implementing activities for recovering biodiversity recovery.

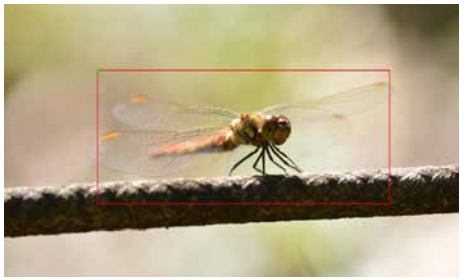
Tokorozawa City, DOCOMO, and the NACS-J signed a partnership agreement for achieving nature positive at the municipal level: also striving to visualize a company's contributions to nature-positive initiatives. (in Japanese only)

As part of this partnership, NTT DOCOMO worked on the following three themes.

- Enhancing the ecological network function of protected green spaces through the corporate Furusato Nozei (Japan's hometown tax donation program)
- Developing an automated identification and monitoring method for dragonflies by combining NTT DOCOMO's AI image analysis technologies and the NACS-J's expertise
- Encouraging employee participation in conservation activities at Satoyama Conservation Areas in Tokorozawa City, in collaboration with Tokorozawa City, local residents, and the NACS-J. These activities will help mitigate satoyama conservation challenges anticipating a future shortage of human resources, through regular corporate participation.

Through this partnership, we also contributed to visualizing corporate contributions to nature positive initiatives. In June 2024, NTT DOCOMO received a Nature Positive Contribution Certificate, issued jointly by Tokorozawa City and the NACS-J, which outlined the extent of our contribution to achieving nature positive.

Draining the pond



Automated identification and monitoring of dragonflies

## Initiative 4 Locally Tailored Environmental Education Program for Children

In July 2024, we held an environmental education event for residents of Hachioji City, where we have entered into a conservation agreement, to observe the living things inhabiting Kamikawa no Sato. During the event, we explained biodiversity using data from an ecosystem research app, which provided opportunities for children to learn that some forests are protected and managed by people.

In March 2025, we collaborated with Tokyo Chainsaws and held the environmental education program "Playing in the Woods: Logging and Do-It-Yourself (DIY) Experience " at the docomo Woods in Kamikawa-machi, Hachioji City, Tokyo. We used panels to explain how forests are developed from planting to logging, drawing comparisons with the work done in the forestry sector. Children also learned about the role of forests through hands-on experiences such as felling trees and DIY activities using saws—activities they rarely encounter in daily life.

Playing in the Woods: Logging and DIY Experience program

### Initiative 5 Stakeholder Collaboration at docomo Woods

NTT, Inc., Biome Inc., NTT DOCOMO BUSINESS, NTT DOCOMO SOLUTIONS, NTT DATA, and NTT DOCOMO jointly launched a technology verification project titled Developing Large-scale Technology for Vegetation and Organisms using Satellite Images. NTT DOCOMO's role in this project is the provision of field sites and verification of business use cases. Through this project, we will visualize biodiversity at the docomo Sennan Horigo Woods to support conservation of the forest, explore new monitoring methods, and evaluate the possibility of using this technology to monitor biodiversity in areas around our base stations in the future.

NTT DOCOMO BUSINESS is responsible for implementation of field demonstrations, exploration of business use cases, and consideration of service commercialization, while NTT DOCOMO SOLUTIONS conducts comprehensive data analysis and accuracy verification. This project therefore leverages the unique strengths of the three companies of the NTT DOCOMO Group.

In conjunction with the commencement of this development, NTT DOCOMO Ventures has invested in Biome Inc. through a fund it manages. The investment will strengthen collaboration between Biome Inc. and the NTT Group, creating new value through the exploration of nature-positive business opportunities and collaborative research.

Five NTT Group Companies and Biome Inc. Start Joint Development of Large-scale Estimation Technology for Vegetation and Organisms using Satellite Image Data

# Information Disclosure Based on TNFD Recommendations

To address the frameworks developed by the Task Force on Nature-related Financial Disclosures (TNFD), the DOCOMO Group has analyzed nature-related dependencies and impacts as well as the risks and opportunities of the Group based on the LEAP approach* recommended by the TNFD. The status of the Group's initiatives and analysis results were organized in line with the four pillars of governance, strategy, risk and impact management, and metrics and targets.

The content in this section is based on the TNFD's final recommendations (v1.0), released in September 2023, and each item is indicated with the corresponding label from A to D.

TNFD Taskforce on Nature-related Financial Disclosures

*A method for prioritizing impact on natural capital and measures by focusing on four factors: Locating the Group's interface with nature, Evaluating its dependencies and impacts, Assessing its risks and opportunities, and Preparing to respond to nature related risks and opportunities and report to investors.

## Governance

### Sustainability Governance System (A and B)

The DOCOMO Group established the Sustainability Management Committee as an organ for top management to regularly confirm and discuss nature-related KPIs and issues such as climate change and biodiversity. The committee, which meets twice a year, is chaired by the president and CEO and consists of the main members of the Board of Directors. The board receives reports on the current status of climate change and biodiversity initiatives as well as future policies semiannually and supervises progress and provides instruction. Discussions by the committee on issues, including the Group's response to those related to nature, are thereby reflected in any revisions made to business strategies and instructions issued by the Board of Directors.

Specific yearly action targets and action plans related to biodiversity conservation are discussed and determined by the Biodiversity Working Group once a year. The Working Group chair appoints an action plan group leader from its members, who will manage improvement points. The appointed leader implements activities in collaboration with other leaders from each region and Group company. Progress of yearly targets and action plans are reported to the Sustainability Management Committee once a year. The committee also puts forward other matters that require discussion and deliberation.

P. 28 Promoting Environmental Management Systems
P. 29 Subcommittees on Environmental Matters

### Application of the Human Rights Policy (C)

NTT Group supports international conventions, declarations, and treaties, including the Universal Declaration of Human Rights, UN Guiding Principles on Business and Human Rights, and others. Guided by the NTT Group Human Rights Policy, we proactively engage with all stakeholders and maintain ongoing dialogue to incorporate the voices of society and ensure respect for human rights throughout our business operations. We conduct human rights due diligence across our entire value chain, placing direct dialogue with key suppliers at the core of our initiatives. Furthermore, DOCOMO has established its Basic Policies on Human Rights to create a corporate culture that respects the human rights of all stakeholders.

NTT Group Human Rights Policy
NTT DOCOMO Group's Basic Policies on Human Rights (in Japanese only)

## Stakeholder Engagement (C)

### Procurement Policies

The DOCOMO Group formulated the NTT DOCOMO Group Guidelines for Sustainability in Supply Chain, based on the NTT DOCOMO's Basic Procurement Policies to promote efforts to realize a sustainable society. By requesting suppliers to adhere to these guidelines, we aim to create a sustainable supply chain and ultimately a sustainable society.

Furthermore, within the wide-ranging suppliers in our supply chain, DOCOMO defines those network facilities or mobile phone companies that supply a sizable quantity of products or products that are irreplaceable as tier-one suppliers who are particularly important for sustainable supply chain management. To enhance our engagement with these tier-one suppliers, we explain the environment surrounding our business through various briefings and exchange opinions to ensure they can consistently provide us with a stable supply of competitive, high-quality products. We share information on our requests, new assessment policies, and details on GHG emissions reductions to achieve our goal of net zero by 2040 at the NTT Group's sustainability assessment briefings as well as when establishing and revising the NTT DOCOMO Group Guidelines for Sustainability in Supply Chain and the NTT DOCOMO Green Procurement Standards. Moreover, we share information on our business policies and new initiatives as well as requests related to our business continuity plan and sustainability at briefings for suppliers of our telecommunications facilities.

### Strengthening Mineral Traceability

We established the NTT DOCOMO Group Guidelines for Sustainability in Supply Chain as part of our commitment for sustainable procurement. The guidelines include respecting human rights, complying with labor practices, ensuring health and safety, and promoting environmental conservation. It has been pointed out that some of the minerals produced in areas subject to ongoing conflict may cause human rights abuses in addition to destroying the ecosystem. The DOCOMO Group is advancing initiatives for preventing the use of conflict minerals that would fund the activities of armed groups.

From the end of fiscal 2024, we revised our supplier evaluation criteria for procurement so that we can prioritize proposals from suppliers with advanced mineral traceability initiatives. This is achieved by adding mineral traceability initiatives as a new evaluation item under the Corporate Evaluation category within the Environmental Scores section. Furthermore, by adding language on mineral traceability to the NTT DOCOMO Group Guidelines for Sustainability in Supply Chain, which consolidates our requirements for suppliers, we encourage suppliers to improve their awareness and actions, thereby strengthening mineral traceability.

We request our key tier-one suppliers to submit a self-assessment questionnaire (SAQ) through the EcoVadis platform to review the implementation of the guidelines. If responses suggest potential high risk factors, our team works directly with the supplier to examine the situation and take necessary actions, such as jointly developing corrective actions. We then maintain ongoing engagement through regular progress checks for mitigating human rights risks.

Furthermore, we use the Conflict Minerals Reporting Template for suppliers designated by our corporate customers to assess the use of conflict minerals in their own supply chains. We achieved a 100% response rate for these surveys, both at the supplier and product level.

Through these engagements with our suppliers, we strive to identify, prevent, and mitigate potential human rights risks associated with our business operations, including the use of mineral resources.

### Stakeholder Engagement Regarding Base Station Construction

When building new base stations, we ensure full legal and regulatory compliance and place priority on stakeholder communication. As projects move forward, we carefully respond to opinions and concerns related to base station construction, with due consideration to the natural environment and local communities. We may, if necessary, and after thorough discussion, move the construction site to a more suitable location. We implement measures such as installing bird nets to ensure the safety of both wildlife and our telecommunications facilities and constructing steel towers with consideration for their aesthetic appearance. We have also improved accessibility by establishing a dedicated contact point where stakeholders can raise concerns about facility construction and operation through the Information Center.

#### Case 1 Oriental Stork Nesting

In 2019, a pair of *Ciconia boyciana* (oriental white stork), a species designated as a Special Natural Monument, nested on a steel tower at the Kedaka Hougi base station in Tottori City, Tottori Prefecture. Upon receiving this news, we coordinated with stakeholders, including Tottori City Hall and the Hyogo Park of the Oriental White Stork, and followed the proper precautions until the eggs hatched and the chicks fledged safely. We shared educational information about the ecology of this bird and the status of the chicks' growth, carefully communicating to ensure the information reached interested stakeholders. DOCOMO also engages with stakeholders to assess and respond to natural capital dependencies and impacts.

#### Case 2 Tree-Like Steel Towers

Our base station in Shoukawa Ushimaru installed a steel tower designed to resemble a tree to preserve the scenic

view and avoid interfering with local ecosystems. DOCOMO strives to create stable telecommunications environments by adopting more environmentally friendly steel tower designs in collaboration with stakeholders.

## Risk and Impact Management

### Process for Identifying and Assessing Nature Related Dependencies and Impacts, and Risks and Opportunities (A)

The DOCOMO Group analyzed its nature-related dependencies and impacts as well as risks and opportunities after prioritizing them in accordance with the LEAP approach recommended by the TNFD.

First, in order to clarify the nature-related themes for analysis, we researched assessment standards and guidelines to discover the demands of a broad range of external stakeholders, and used ENCORE, a tool for assessing nature risk, to understand their importance within our sector.

Next, we looked into business risks and opportunities for each theme subject to analysis and then analyzed their local characteristics while taking into consideration the Group's value chain to designate material issues of our business.

**STEP 1 Identify topics for determining materiality**

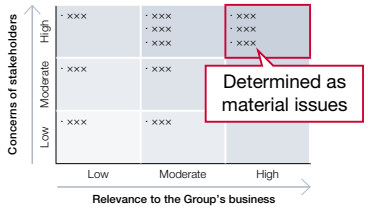
- Carry out screening with ENCORE
- Assess business risks by examining incidents of risk occurrence
- Select potential topics for the Group's material issues

**STEP 2 Analyze local characteristics of the value chain**

- Understand the relationship between potential topics and the value chain, and narrow down topics for analysis
- Assess hotspots, or potential high-risk areas along the value chain, using IBAT and other tools

**STEP 3 Designate material issues**

- Considering steps 1 and 2, designate the Group's material issues




**STEP 4 Consider our measures**

- Analyze the gaps between the demanded level identified through external trend research and the current status of initiatives
- Select responses to be prioritized based on the results of gap analysis
- Apply SBTN's AR³T Framework to define our actions

### Nature-Related Dependencies and Impacts, and the Management Process for Risks and Opportunities (B, C)

In accordance with our Risk Management Principles, climate change, biodiversity, and other risks surrounding the business are annually identified on a regular basis. The Internal Control Committee, headed by the president and CEO, then identifies risks that require Company-wide management. In designating the risks, the NTT DOCOMO Group first identifies new risks based on assessment of the current status as well as internal and external circumstances, thereby reflecting social change in the process. The Business Risk Management Committee then designates Company-wide risks through an evaluation and analysis of the degree of their impact and frequency of occurrence.

The Internal Audit Department regularly monitors whether measures to avoid or mitigate the identified Company-wide risks are properly implemented under management risk policies. The Sustainability Promotion Office, dedicated to promoting Group-wide sustainability initiatives, addresses the Company-wide risks identified by the Internal Control Committee, as well as nature-related risks and opportunities including climate change and biodiversity that were not identified as Company-wide risks. The office monitors changes in external and internal environments related to climate change and biodiversity and applies the TNFD's LEAP approach to determine nature-related risks and opportunities that may affect our business operations.

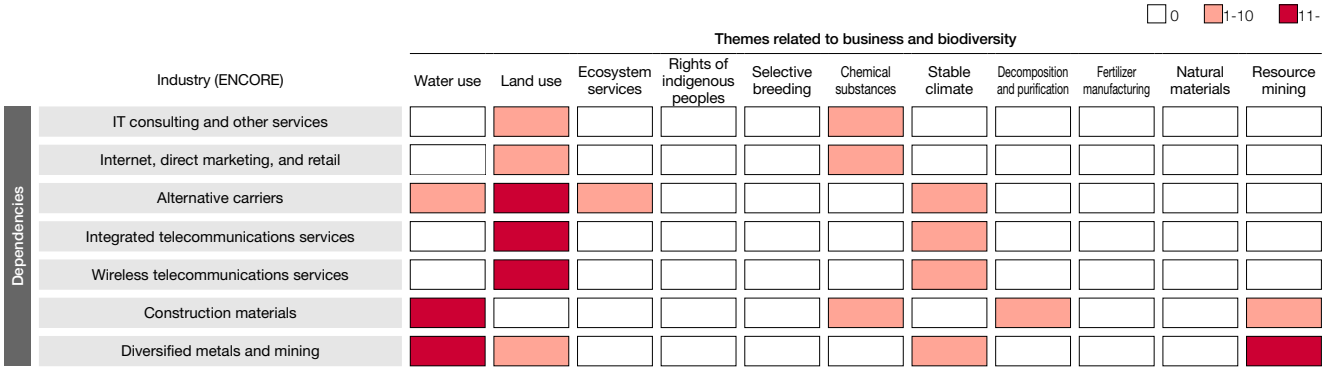
# Strategy

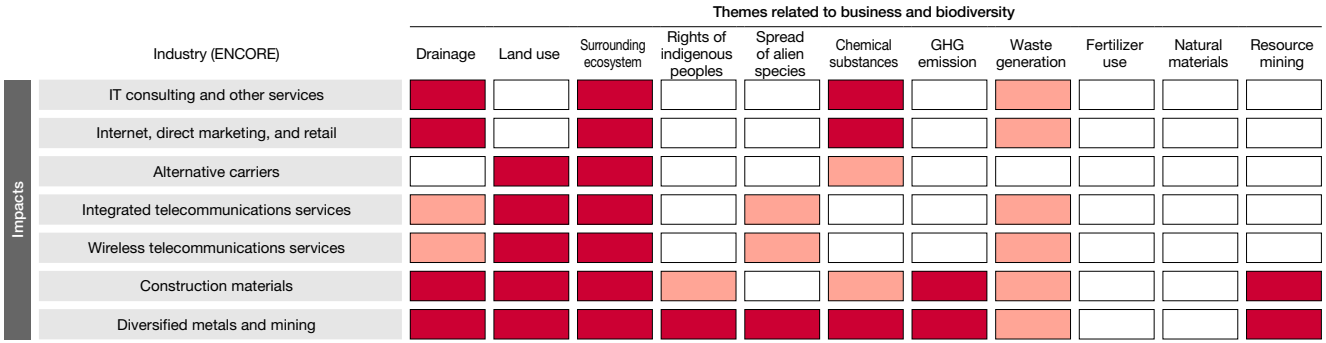
## Material Nature-Related Risks and Opportunities (A)

STEP 1 Identify topics for determining materiality

Using the LEAP approach, we conducted value chain-wide analysis of nature-related risks and opportunities that are of high concern among external stakeholders and are closely related to our business.

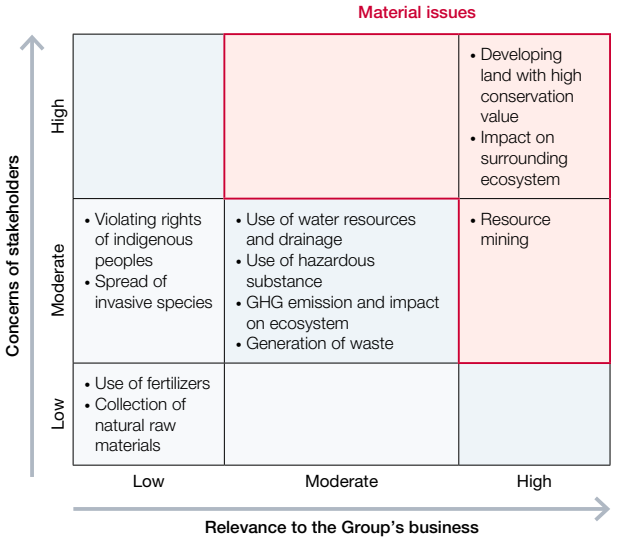
First, based on the analysis using ENCORE, an assessment tool for nature-related risks, we sorted out items which our stakeholders expect us to address in the area of nature-related dependencies and impacts, taking into consideration the Group's business and value chain.




Next, through external trend research, we collected incidents in which risks have been realized. Based on the scale of business risks and opportunities identified, we assessed their relation to the DOCOMO Group's business. As criteria for assessment, we determined that significance is high for situations that involved criticism of the company, consumer boycotts, or legal actions, while being relatively low at the present moment for situations in which the issue has not yet been recognized, or the recognition is limited to an alert by a delimited group of people involved in the matter.

Using the results obtained from ENCORE analysis and the assessment on how they relate to our business based on external trend research, we identified topics that could be designated as a material issue of the Group. Then, from the results of local characteristics analysis mentioned below, we selected and identified the following three items as material issues: developing land with high conservation value, impact on surrounding ecosystems, and resource mining.



## Potential Impact on Business (B)

We examined the potential impacts of these risks and opportunities on our business by referring to the nature-related risks and opportunities categorized by the TNFD. Although no items were found that pose significant immediate negative impact to the organization's business, strategy, or financial plan in relation to our nature-related risks, the three topics, developing land with high conservation value, impact on surrounding ecosystem, and resource mining were confirmed as key value chain risks that may give rise to increased cost or destabilize the provision of communication equipment, thereby affecting the financial plan. Meanwhile, there could be many nature-related opportunities, including smart farming, in which ICT technologies could be leveraged to conserve biodiversity.

| Risk Category by the TNFD | | Business Risk for Organization | Potential Impact on the Organization's Business | Time Frame |
|---|---|---|---|---|
| Transition risks | Policy and legal | Introduction and reinforcement of regulations | • Higher procurement prices and development costs due to reinforcement of existing regulations or introduction of new ones | Medium term |
| | Market | Rise in prices for telecommunications devices | • Higher purchase cost of metals and telecommunications devices due to rise in cost for preserving biodiversity in metal mining | Long term |
| | | Change in consumer behavior | • Fewer new subscriptions and more cancellations if corporate efforts are deemed insufficient<br>• Higher costs due to change in suppliers reflecting biodiversity considerations | Medium term |
| | Technology | Development and spread of low-environmental burden technologies | • Higher development and introduction costs of low environmental burden technologies for telecommunications devices and facilities | Medium term |
| | Reputation | Criticism from consumers and society | • Loss of customers and decline in corporate image and ESG reputation if corporate efforts are deemed passive | Medium term |
| | | Investor reputation | | |
| Physical risks | Acute | Increase frequency and intensity of natural disasters | • Damage to telecommunications facilities due to natural disasters caused by disruption of surrounding ecosystem | Medium term |

| Opportunity Category by the TNFD | | Business Opportunity for Organization | Potential Impact on the Organization's Business | Time Frame |
|---|---|---|---|---|
| Opportunities | Resource efficiency | Spread of efficiency solutions | • Reduced cost due to improved resource efficiency in the production and recycling of telecommunications devices<br>• Reduced burden on ecosystem due to contribution of reducing fertilizer use, for example, by the spread of ICT technology-driven smart farming | Medium term |
| | Markets | Entry into nature-related business | • Creation of new business by developing and providing ICT technology-driven service solutions that preserve biodiversity | Medium term |
| | Financing | Obtain funding for R&D | • Possible funding through sustainable financing for the development of new ICT technologies that preserve biodiversity preservation | Long term |
| | Resilience | Achieve differentiation through increased resilience | • Increased business resilience and corporate value by responding to biodiversity risks and contributing to being nature positive | Long term |
| | Reputation | Consumer and social reputation | • Improved corporate image and ESG reputation by developing and providing ICT technology-driven service solutions that preserve biodiversity | Medium term |
| | | Investor reputation | | |

## Local Characteristics Analysis of Value Chain (D)

STEP 2 Analyze local characteristics of the value chain

STEP 3 Designate material issues

To understand the kinds of risks faced by businesses related to the identified material issues within the value chain, we analyzed the local characteristics of the value chain. First, potential topics identified as those that may be designated as the Group's material issues were organized in line with each stage of the value chain, upstream, direct operations, and downstream. Then, using tools such as IBAT, we assessed our business locations at each stage of the value chain and identified hotspots, potential high-risk areas along the value chain. Based on the results of the local characteristics analysis, we determined the Group's material issues.

| | Upstream | Direct Operations | | Downstream |
|---|---|---|---|---|
| Risk | Resource mining | Land development<br>Surrounding ecosystem | Use of water and drainage | Waste |
| Subject of analysis | Telecommunications facilities and telecommunications devices | Telecommunications facilities | Data centers | • Not subject to local characteristics analysis (reason: the impact is small because valuable resources are collected and recycled from more than 95% of the total waste)<br>• Business opportunities will be taken into considerations when discussing relevant measures. |
| Methods used for analysis | 1. For each mineral subject to analysis, identify the exporting country<br>2. Identify conflict cases related to resource mining of the exporting country from the Environmental Justice Atlas<br>3. Identify key biodiversity areas using IBAT | Identify hotspots based on biodiversity risk assessment of the area surrounding the sites by using IBAT | Identify hotspots based on water stress assessment of the area surrounding the sites by using Aqueduct | |

## Upstream Activities (Procurement of Raw Materials) × Resource Mining

Impacts on biodiversity in upstream activities, such as mining minerals to be used at Group-owned facilities and in equipment, were assessed using IBAT after confirming conflict cases relating to mineral mining in the countries of export to Japan in the Environmental Justice Atlas. We identified hotspots for all metals, and both the number of hotspots and their ratios were high, especially for copper.

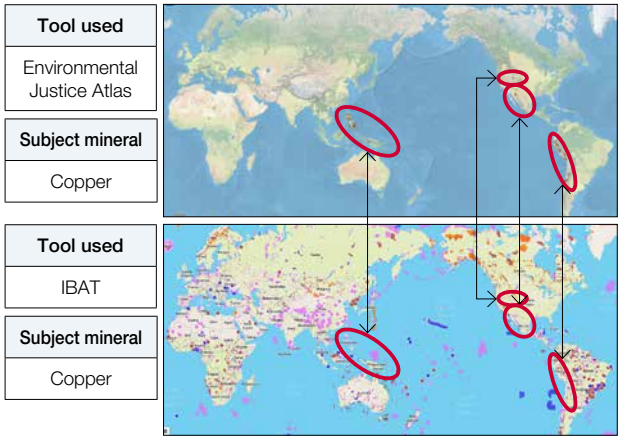
➤ **Environmental Justice Atlas and IBAT Analysis Results of Metal Resource Mining Areas**

| Metal | Facilities and Equipment Owned by the Group | Number of Mines and Production Sites Where Cases of Conflict Were Identified* | Number of Sites Exposed to High Biodiversity Risk (Hotspots)* |
|---|---|---|---|
| Iron | Steel towers and antennas | 22 | 10 |
| Aluminum | Steel towers and antennas | 3 | 3 |
| Copper | Telecommunications facilities and electric wires | 28 | 26 |
| Gold | Telecommunications facilities | 36 | 15 |
| Rare earths | Data centers and optical fibers | 4 | 1 |
| Total | — | 93 | 55 |

*Results of the analysis on the status of major sources of exports of each metal to all areas of Japan.

### Local Characteristics Analysis of Upstream Activities in Procurement of Raw Materials

Hotspots for copper mines and copper production sites were identified in Peru, Chile, the Philippines, and other countries (similarly, hotspots were identified for iron, aluminum, gold, and rare earth elements).




: Indicates this is specified as a biodiversity conservation area and contains mines and production sites where actions such as litigation or protest campaigns are taking place.

### Direct Operations (Data Centers*) × Use of Water

Impacts on the use of water resources from direct operations, including data centers, were assessed using Aqueduct, a water risk assessment tool. The findings confirmed that none of our data centers are in high stress areas.

*Only a few of our data centers use water cooling systems.

### Direct Operations (Base Stations) × Land Development and Surrounding Ecosystem

We performed a biodiversity risk assessment by referring to location information of the facilities we own and geographical information of key biodiversity areas and using the KBA*1. As a result, we found that antennas at 13% of our base stations in Japan have been installed at a height of 30 m or higher above ground and are considered to have greater impacts on surrounding ecosystems than our other base stations. Among those stations with greater impacts, 6.4% were located within key biodiversity areas, and we identified these as hotspots.

In addition, we defined scores that indicate the likelihood of rare species present around our base stations based on estimated species distributions. We used these scores for planning monitoring surveys to evaluate detailed impacts on ecosystems and for implementing trial measures. Monitoring surveys*2 were then conducted for the 30 base stations with the highest scores. As a result, no concerning events were identified, and we have determined that our operations posed limited risks to surrounding ecosystems.

*1 Key biodiversity area: We used results from the KBA analysis conducted by Conservation International Japan.
*2 To assess the impact of our base stations on surrounding ecosystems, we checked with local municipalities to see if they were aware of any concerning events.

### STEP 4 Consider our measures

For issues designated as material, we performed gap analysis to select the items to prioritize and considered actions by applying the SBTN AR$^3$T framework. In the gap analysis, we first defined the demand level of each value chain based on external trend research, compared to the current status of initiatives, to identify priority items. Then we defined the relevant actions for our priority items by applying the SBTN AR$^3$T framework and referencing past best practices, and examined our measures for material issues.

**➤ Gap Analysis (External Demand × Current Status of Our Initiatives)**

| | |
|---|---|
| Upstream<br>Direct operations<br>Downstream | • Organize expected business risks and expected actions and demanded level based on external trend research including risk cases and various guidance<br>• Perform gap analysis on the organized demand level and expected actions against the current status of initiatives<br>• Define priority items identified through gap analysis |

**➤ Examine Representative Actions by Applying the AR³T Framework (Excerpt)**

| | | |
|---|---|---|
| Avoid | Upstream | Preferential selection of suppliers who respect biodiversity |
| | Direct operations | Perform voluntary environmental assessments prior to building base stations |
| Reduce | Direct operations | Prevent impact caused by base stations on surrounding ecosystem |
| | Downstream | Utilize ICT technologies to mitigate burden on ecosystems |
| Restore and regenerate | Direct operations | Promote activities of the docomo Woods program<br>Contribute to 30 by 30 Alliance by supporting larger protected areas |
| | Downstream | Provide technology to monitor ecosystem recovery |
| Transform | Downstream | Provide ICT technology-based solutions for ecosystem conservation |

## Participation in Initiatives and Collaborations with Various Groups

DOCOMO collaborates with various organizations to promote sustainable development and protect the global environment based on the analysis of our nature-related dependencies and impacts as well as risks and opportunities.

### TNFD Forum

We participate in the TNFD Forum, a global multi-disciplinary consultative group of institutions aligned with the TNFD's mission and principles, to support its discussions and contribute to nature-positive outcomes.

TNFD Forum Member

The TNFD Forum

### 30 by 30 Alliance

Since January 2023, DOCOMO has been taking part in the 30 by 30 Alliance of Biodiversity, a program that brings together companies and local governments to achieve the target of preserving healthy ecosystems in more than 30% of land and oceans by 2030.

30by30

### Business for GBF Project

We are a member of the Business for GBF Project, a platform established in line with the National Biodiversity Strategy and Action Plan of Japan 2023–2030 to realize a nature-positive economy.

Business for GBF Project

## Collaboration with Local Governments and Groups on Biodiversity Conservation

We participate as a partner in biodiversity conservation activities implemented by local governments and groups.

—Tokyo Green Biz (by Tokyo Metropolitan Government)

Tokyo Green Biz

みどりと生きるまちづくり TOKYO GREEN BIZ

—Osaka Biodiversity Support Declaration (by Osaka Prefectural Government)

Osaka Biodiversity Support Declaration

おおさか生物多様性

—Mie Biodiversity Partnership Agreement (by Mie Prefectural Government)

Mie Biodiversity Partnership Agreement (in Japanese only)

—Partnership agreement on nature positive at municipality level (with Tokorozawa City, Saitama Prefecture and the Nature Conservation Society of Japan)

Tokorozawa City, DOCOMO, and the NACS-J signed a partnership agreement aiming to achieve nature positive at the municipal level. (in Japanese only)

—Collaboration agreement with Takeda, Sakai City, Fukui Prefecture on biodiversity conservation activities

Regarding the signing of an agreement on biodiversity conservation activities in Takeda, Sakai City, Fukui Prefecture (in Japanese only)

### Contribution to Forestry: Excellence Award at Forests × Decarbonization Challenge 2023

We received the Excellence Award (Forestry Agency Director-General Award) at the Forests × Decarbonization Challenge 2023. We won an award in the Forest Creation category, recognizing our initiatives such as tree planting by our employees at docomo Woods and the promotion of smart forestry by improving the efficiency of the sector through ICT. Furthermore, we were certified as a Green Partner 2023 for contributing to decarbonization by supporting forest management and other activities.

GREEN PARTNER 2023 JAPAN

Forests × Decarbonization Challenge 2023 (in Japanese only)

## Metrics and Targets

Greenhouse gas emissions reduction, waste recycling rate, and the promotion of activities to conserve ecosystems are used as metrics in the targets set for managing nature-related risks and opportunities based on the DOCOMO Group's Green Action Plan. Other nature-related metrics include monitoring the use of water to check that the amount remains less than that of the previous year, as well as disclosing the number of used mobile phones collected and recycled and the major mineral resources regenerated through recycling. In addition, DOCOMO established its Medium-Term Biodiversity Roadmap to contribute to the international community's goals of a world living in harmony with nature by 2050 and becoming nature positive by 2030.

### Medium-Term Biodiversity Roadmap

This roadmap outlines DOCOMO's vision and desired future as well as what we hope to achieve, all in the course of our biodiversity conservation efforts. It sets targets for material biodiversity issues in our business—namely developing land with high conservation value, impact on surrounding ecosystems, and resource extraction—as well as for areas of opportunity, such as leveraging our own assets. The roadmap also displays year-by-year activities. Following the roadmap will strengthen risk mitigation, advance DOCOMO's unique initiatives to generate ripple effects across society, and help us to work toward a world where people and nature co-exist in harmony as a matter of course.

### Basic Approach

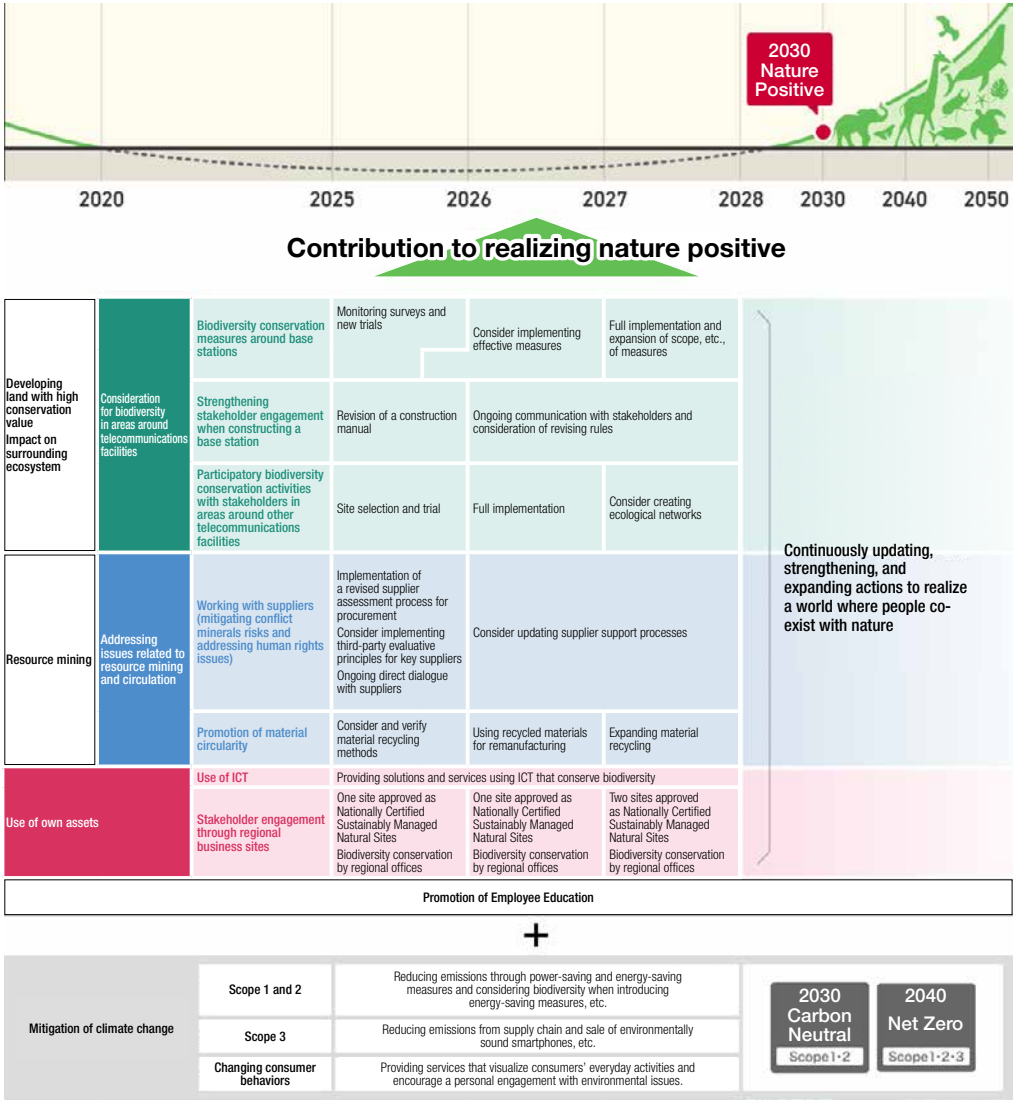
#### Our Vision and Desired Future

A World Where People and Nature Co-exist in Harmony as a Matter of Course
In the future we envision, the negative impacts of human activities on biodiversity are minimized through various mechanisms, and the rules and use of technologies, among other means, helps all life to thrive.

#### Our Aspiration

We will aspire to realize a world where people co-exist in harmony with nature by connecting and leveraging the power of DOCOMO, namely our Group assets, as well as the power of our stakeholders.

## Overall Roadmap




Medium-term Biodiversity Roadmap (in Japanese only)

## Related Links

- Green Action Plan
- Environmental Performance Data (in Japanese only)
- Realizing a Resource-Recycling Society (in Japanese only)