

6 Environment

I nnovative

R esponsible

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Tree planting in the DOCOMO Gunma Forest in Gunma Prefecture

We recognize global environmental issues and climate change 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 of society as a whole.

Environmental Vision and Action Plan

Basic Policies and Philosophy

We established the DOCOMO Global Environment Charter as a set of guidelines for promoting environmental protection efforts. The charter clarifies our commitment to helping solve global environmental problems by providing ICT services.

ICT can help to control the generation of CO₂ by reducing the consumption of materials and energy for the production of books and music as well as visual media; reducing work processes through increased operational efficiency; reducing the movement of people through network utilization; and reducing the movement and storage of goods through information digitization. In these ways, ICT brings innovation to various areas while contributing to reducing environmental impacts in our daily lives and on society.

Moreover, at the COP21 in December 2015, the international community adopted the Paris Agreement as the new framework for addressing climate change beyond 2020. In response, the DOCOMO Group is pursuing activities in accordance with the DOCOMO Group Environmental Declaration, which presents its vision for the future, and the Green Action Plan 2030, which summarizes its environmental targets through to 2030.

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

Significance of the Environmental Charter and Environmental Targets

DOCOMO Group Environmental Charter

DOCOMO Group's basic philosophies and policies concerning global environmental protection

DOCOMO Group's Environmental Declaration

DOCOMO Group's vision for global environmental protection

Green Action Plan 2030

DOCOMO Group's environmental targets through to 2030

DOCOMO Group Environmental Charter

DOCOMO Group's basic philosophies and policies concerning global environmental protection

DOCOMO Group Environmental Charter

(Enacted on June 1, 2007; revised on October 17, 2016)

Basic Philosophy

The NTT DOCOMO Group views global environmental problems as important issues to be addressed by management. By developing and providing services centered on the mobile ICT, we will stimulate innovation in diverse aspects of lifestyle and business, and work with customers to support society's efforts to protect the environment. We will also work to reduce the environmental impacts of our business activities.

Basic Policy

Conduct Business with the Environment in Mind

- Actively promote businesses contributing to reducing environmental impact through the provision of ICT services.
- In all business activities, curb emissions of greenhouse gases, conduct proper management of hazardous materials, and encourage resource conservation by promoting the "three Rs" (reduce, reuse, and recycle).

Strengthen Environmental Management

- Comply with all environmental laws and regulations and through environmental management systems avoid risk and continuously improve performance.

Promote Environmental Communication

- Promote environmental activities in cooperation with business partners, throughout all processes: procurement, research and development, sales, and after-sales services.
- Disclose accurate environmental information to help others understand the DOCOMO Group's environmental activities, and use feedback received to improve these activities.
- Enhance environmental awareness through the environmental training of employees and communication among all corporate levels and departments.

Preserve Biodiversity

- Understand the relationship between biodiversity and our business activities and promote initiatives to preserve biodiversity for future generations.

DOCOMO Group's Environmental Declaration

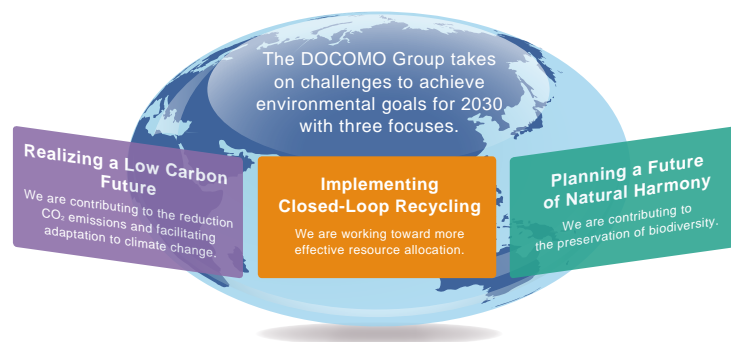
DOCOMO Group's vision for global environmental protection

DOCOMO Group Environmental Declaration

DOCOMO will lead successful environmental management systems for the future of people, society and the Earth.

- » We will create new value for environmental protection by providing mobile ICT services.
- » We will ensure that our businesses are conducted with honesty in harmony with the global environment.

Themes of Our Initiatives and Actions



Themes and Actions of the Initiatives Based on the Environmental Declaration

We will strive to achieve the environmental targets for 2030 with the themes shown on the right and actions set on the basis of the Environmental Declaration.

Themes	Actions
Realizing a low carbon future	We are contributing to the reduction of CO ₂ emissions and facilitating adaptation to climate change.
Implementing closed-loop recycling	We are working toward more effective resource allocation.
Planning a future of natural harmony	We are contributing to the conservation of biodiversity.

DOCOMO Group's Environmental Targets. Green Action Plan 2030

The Paris Agreement was adopted at the COP21 in Paris in 2015. Under the agreement, each country will work on initiatives to achieve the targets set for combating climate change for the year 2030 and even further into the future.

Taking into account such global trends, DOCOMO is pursuing activities in accordance with the DOCOMO Group Environmental Declaration, which presents its vision for global environmental protection, and Green Action Plan 2030, which summarizes the Group's environmental targets through to 2030.

The DOCOMO Group's Environmental Targets, the Green Action Plan 2030, which embodied the actions for the three initiative themes, were classified into two categories from the perspectives of "Innovative docomo" and "Responsible docomo," which are the DOCOMO Group's CSR policy. One is Green Actions of Innovative docomo and the other is Green Actions of Responsible docomo. We will work to achieve the five targets set under these actions toward 2030.

Guided by the DOCOMO Group Environmental Declaration, "DOCOMO will lead successful environmental management systems for people, society and the Earth," and the environmental targets through to 2030 set out in the Green Action Plan 2030, we are striving to attain five goals that include contributing to society by reducing CO₂ emissions by at least 40 million tonnes and bringing about at least a ten-fold increase in power efficiency in the communications business compared to fiscal 2013.

DOCOMO will continue to improve customer services and achieve sustainable growth for the Company by creating a society in which people can live with greater security, safety, comfort and affluence across national and regional borders and across generations.

Green Action Plan 2030

Targets to be achieved by 2030 are set on the basis of our CSR Policy of
"Innovative docomo" and **"Responsible docomo"**.



We will contribute to create a low-carbon society and minimize climate change risks by providing DOCOMO's services to customers.

Quantitative Target

- » Amount of contribution to the reduction of CO₂ emissions across society: at least 40 million tons

Qualitative Target

- » We will promote various initiatives to contribute to adaptation to climate change. We will also make collaborative efforts with our stakeholders.

Reduction of CO₂ emissions by 40 million tons



Main Actions

- » Development and provision of the services and technologies contributing to the reduction of CO₂ emissions
- » Development and provision of the services and technologies contributing to the adaptation to climate change



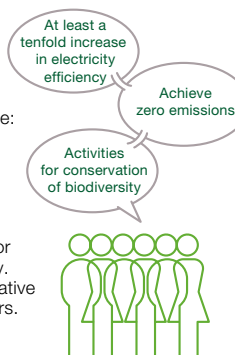
We will fulfill our responsibility to reduce environmental impact. We will also actively participate in environmental contribution activities as a corporate citizen.

Quantitative Target

- » Electrical efficiency of the communications services: at least a tenfold increase compared to fiscal 2013
- » Final disposal ratio of waste: achieve zero emissions (under 1%)

Qualitative Target

- » We will promote initiatives through various activities for conservation of biodiversity. We will also make collaborative efforts with our stakeholders.



Main Actions

- » Energy conservation for communications network facilities
- » Promoting 3R activities
- » Promoting activities for conservation of biodiversity such as tree planting, promoting employee training

Green Actions of Innovative docomo

We will contribute to creating a low-carbon society and minimizing climate change risks by providing DOCOMO's services to customers.

Themes	Actions
Realizing a low carbon future	Amount of contribution to the reduction of CO ₂ emissions across society: at least 40 million tonnes
	We will promote various initiatives to contribute to the adaptation to climate change, and we will make collaborative efforts with our stakeholders.

Green Actions of Responsible docomo

We will fulfill our responsibility to reduce environmental impact. We will also actively participate in environmental contribution activities as a corporate citizen.

Themes	Actions
Realizing a low carbon future	Power efficiency of the telecommunications services: at least a ten-fold increase compared to fiscal 2013
Implementing closed-loop recycling	Final disposal ratio of waste: achieve zero emissions (under 1%)
Planning a future of natural harmony	We will promote initiatives through various activities for conservation of biodiversity, and we will make collaborative efforts with our stakeholders.

Proceeding with the Green Action Plan 2030

We will announce the results of the Green Action Plan 2030 for each fiscal year and consider taking measures such as improvements concerning the initiatives and target values of the plan based on the results every five years.

In addition, as an initiative for realizing a carbon-free society, we are working to set reduction targets for greenhouse gas emissions based on Science Based Targets (SBT)*.

* Science-based targets to limiting global temperature rise to well-below 2°C above pre-industrial levels

Environmental Management

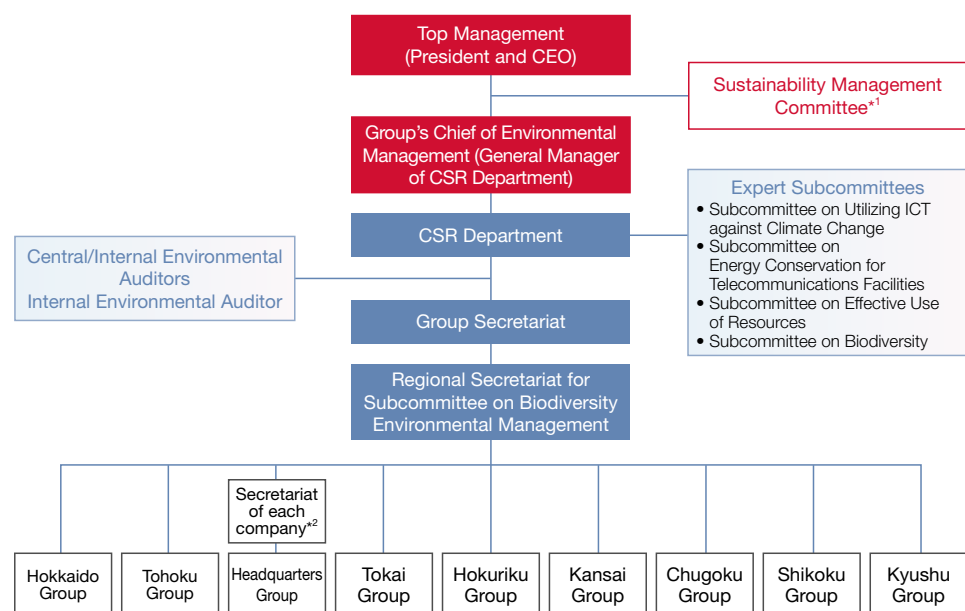
Environmental Management System

Under the DOCOMO Global Environmental Charter, the DOCOMO Group established the Environmental Management Systems (EMS), which is led by the president and CEO of NTT DOCOMO to implement Group-wide environmental protection efforts.

The EMS is administered by a number of organizational units. The Sustainability Management Committee is the highest

decision-making body related to the EMS and is chaired by the president and CEO. Expert subcommittees of the Group set common environmental targets for the Group as a whole, and the Environmental Managers' Council is involved in administration of the EMS. Progress toward environmental goals is reviewed and a debate is conducted on solving environmental issues.

Organizational Structure for Environmental Management



*1 Including meetings attended by top management.

*2 DOCOMO CS, Inc., DOCOMO Support Inc., DOCOMO Systems, Inc., and DOCOMO Technology, Inc.

EMS Organizations

Sustainability Management Committee

A committee responsible for reporting matters related to EMS and composed of Sustainability Management Committee members (with the president as chairperson and senior executive vice president and including members of the Board of Directors, Audit & Supervisory Committee members, and managers of relevant departments) and that includes the management team (and top management).

Corporate Social Responsibility Department

Planning, proposal and management of the EMS.

Expert Subcommittees

Planning, proposal and management of initiatives for achieving environmental targets.

Central/Internal Environmental Auditor

Oversees internal environment auditing, senior manager of CSR Department.

Group Secretariat and Regional Secretariat for Environmental Management

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

(As of April 2020)

ISO 14001 Certification

DOCOMO acquired ISO 14001 certification for its EMS to more efficiently execute Group-wide environmental management, such as energy conservation for telecommunications facilities and the recycling of used mobile phones.

In fiscal 2019, it was once again confirmed based on the results of an external audit that the EMS is being operated effectively, and DOCOMO maintained its ISO 14001 certification.

Organizations with ISO 14001 and Scope of Certification

Certification and Registration Body

Lloyd's Register Quality Assurance Limited

Date of Registration

January 1, 2008

Scope of Certification

Telecommunications business and related services

Organizations Covered by the Scope of Certification

16 Group companies (NTT DOCOMO, 12 functional Subsidiaries^{*1}, and another 3 subsidiaries^{*2})

^{*1} See page

^{*2} docomo Healthcare, Inc., DOCOMO BIKE SHARE, Inc. and DoCoMo TAMETAN, Inc.

Certification and Registration Number

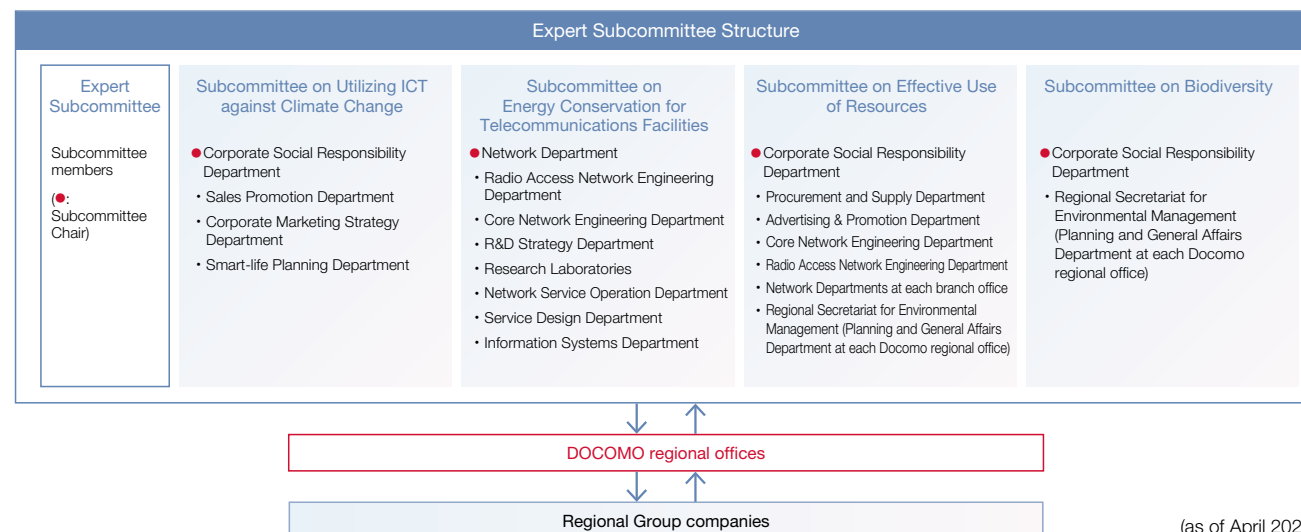
ISO14001-0067788

Expert Subcommittees of the Group

Specific action targets are determined once a year on the basis of discussions by each expert subcommittee of the Environmental Sustainability Taskforce. We have four subcommittees: the Subcommittee on Utilizing ICT against Climate Change, Subcommittee on Energy Conservation for Telecommunications Facilities, Subcommittee on Effective Use of Resources, and Subcommittee on Biodiversity. To accomplish the DOCOMO Group's environmental purposes and targets, each subcommittee chair appoints an action plan group leader from among the subcommittee's members. The appointed group leader promotes the initiatives in collaboration with group leaders from each region.

Expert Subcommittee Structure

Expert Subcommittee Structure



(as of April 2020)

Fiscal 2019 Results and Fiscal 2020 Targets and Action Plans for Expert Subcommittees

Subcommittee on Utilizing ICT against Climate Change

Mid-term Targets (for 2020)	FY2019 Targets	Main Action Plans for Targets	Results
Amount of contribution to the reduction of CO ₂ emissions across society: at least 40.0 million tonnes	Amount of contribution to the reduction of CO ₂ emissions across society: at least 39.7 million tonnes	<ul style="list-style-type: none"> Monitor progress on contribution to CO₂ reduction (semiannual) Communicate information on contribution to CO₂ reduction Gather information on mitigation and adaptation cases, communicate information (official website, SNSs, external websites, exhibits at events, etc.) 	Amount of contribution to the reduction of CO ₂ emissions across society: 40.1 million tonnes
		Contribute to CO ₂ reduction by encouraging migration to smartphones	△
		Contribute to CO ₂ reduction by promoting the use of ubiquitous modules	○
		Contribute to CO ₂ reduction by promoting the use of bicycle sharing services	△

Subcommittee on Energy Conservation for Telecommunications Facilities

Mid-term Targets (for 2020)	FY2019 Targets	Main Action Plans for Targets	Results
Power efficiency of the telecommunications services: at least a seven-fold increase compared to fiscal 2013	Reduce power consumption of various facilities	Actively install high-efficiency, low-power consumption equipment and replace equipment during upgrades	△
		Implement measures that reduce power consumption by reviewing the operations of network facilities	○
	Reduce environmental impact by making use of commercial technology	Reduce power consumption by installing intelligent air conditioning systems	○
	Use of energy sources with zero environmental impact	Reduce power consumption by constructing verification facility for green base stations	○
	Simulate electricity demand	Formulate mid-term projections for electricity demand	○
	Develop highly energy-efficient network equipment	<ul style="list-style-type: none"> Compliance with the NTT Group Energy Efficiency Guidelines Promote the development of highly energy-efficient equipment 	○

Subcommittee on Effective Use of Resources

Mid-term Targets (for 2020)*	FY2019 Targets	Main Action Plans for Targets	Results
Final disposal ratio of waste: achieve zero emissions (1.4% or lower)	Final disposal ratio of waste: achieve zero emissions (1.5% or lower)	<ul style="list-style-type: none"> Monitor progress to lower the final disposal ratio of office waste to 1.2% or lower Consider internally sharing cases promoting initiatives such as sorting waste Monitor progress to lower the final disposal ratio of construction waste to 3.0% or lower Monitor progress to lower the final disposal ratio of decommissioned telecommunications equipment to 0.5% or lower 	Final disposal ratio achieved: 2.1%
—	Weight of promotional tools: 7,500 tonnes or lower	Monitor progress of weight and disposal rate of promotional tools and provide feedback to relevant departments	Weight of promotional tools achieved: 7,676 tonnes
Collect used mobile phones: 18.28 million units (FY2017–2020 total)	Collect 14.6 million units (cumulative total for FY2017–2019)	Create and publicize opportunities for collection aimed at reuse and recycling	Collect used mobile phones: 14.44 million units (cumulative total for FY2017–2019) 3.87 million units (FY2019)

*The mid-term targets (for 2020) were revised based on action plan results.

Subcommittee on Biodiversity

Mid-term Targets (for 2020)	FY2019 Targets	Main Action Plans for Targets	Results
—	Conduct forest maintenance activities (more than once a year) Review the implementation and expansion of activities on biodiversity (once a year)	Monitor progress of maintenance activities	○
	Gather and communicate information on biodiversity activities (once a quarter)	<ul style="list-style-type: none"> Communicate information on biodiversity Plan and implement events outside the Company 	○

○: Achieved the plan and implemented as planned △: Did not achieve the plan

Internal Environmental Audits

The DOCOMO Group conducts internal environmental audits to ensure the effective implementation of the EMS. We dispatch internal auditing staff with expert knowledge from the head office to each business base (branch office and Group companies) and conduct audits 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 DOCOMO Global Environmental Charter and the DOCOMO Group's environmental purposes and 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 revise the system and make improvements on an ongoing basis. In fiscal 2019, we intended to achieve a higher level of effectiveness in auditing priority items in line with ISO 14001:2015. Specifically, we focused on checking the current status of monitoring the impact of operations on the environment conducted by each organization and their ongoing initiatives for addressing their respective risks. We also examined whether business activities are being carried out from the perspective of life-cycle management, particularly with respect to outsourced operations. As a result, the audits found that every organization was in compliance with the requirements of ISO 14001 and that activities were generally being conducted appropriately in conformance with environmental procedure manuals and other guidelines.

Compliance with Environmental Laws and Regulations

Compliance with Various Environmental Laws and Regulations

DOCOMO is committed to complying with prevailing environmental laws and regulations under its current EMS framework. Specifically, it endeavors to comply with environmental laws and regulations, including the Act on the Rational Use of Energy (Energy Conservation Act), the Act on the Promotion of Sorted Collection and Recycling of Containers and Packaging (Containers/Packaging Recycling Act), the Waste Management and Public Cleansing Act (Waste Management Act) and the 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 2019, there were no violations of environmental laws and regulations.

Proper Management of PCB Waste

DOCOMO has voluntarily established the PCB Item Management Procedure Manual based on the Act on Special Measures concerning Promotion of Proper Treatment of PCB Wastes (PCB Special Measures Act) to guide its management of PCB. The manual stipulates items subject to storage and management, storage and management methods, storage locations, disposal methods, and emergency response procedures. Under the PCB Special Measures Act, companies that store PCB waste are required to dispose of the material appropriately, either directly or through a subcontractor, and by the deadline designated for each region.

The NTT Group, including DOCOMO, is engaged in an ongoing effort to systematically remove and store equipment containing PCB by that deadline.

Green Procurement

Under the NTT Group Guidelines for Green Procurement, revised in January 2018, DOCOMO conducts green procurement by prioritizing materials, parts and products that are safe and less harmful to the environment. In our green procurement, we select new suppliers and evaluate those with which we have already worked, based on the following two assessment focuses that we define as matters required to be addressed and those requested to be addressed.

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

DOCOMO has established a system to ensure compliance with environmental regulations across the entire supply chain. We require suppliers to obtain third-party certification, such as ISO 14001, EMAS, KES, Eco-Action 21 and Eco Stage, and assess the effectiveness of their environmental management when they start a business by examining the establishment's status as well as the operation of their environmental management system, including the formulation of environmental policies by the suppliers themselves.

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

To reduce the environmental impact of our products, DOCOMO conducts an assessment at the design stage to gauge the product's impact on the environment in the design, manufacturing, and distribution phases. We then make design modifications as necessary in order to reduce the product's environmental impact. Particularly with new procurements, in addition to the above assessment, we request that our suppliers adhere to the RoHS Directive* and other relevant agreements, laws, and regulations. We also ask them to submit an Environmental Activity Survey Sheet and a response to the Identification of Chemical Substances Contained in Products in an effort to restrict the use of specified hazardous substances.

*The RoHS Directive is a European Union regulation banning the inclusion of harmful substances in electrical and electronic devices.

 [NTT DOCOMO Guidelines for Green Procurement](#)

Environmental Accounting

DOCOMO uses environmental accounting to quantitatively track the costs and benefits of its environmental protection initiatives and guide environmental management strategy.

Scope of Environmental Accounting

- Period: Fiscal 2019 (April 1, 2019 to March 31, 2020)
- Coverage: 16 companies in the DOCOMO Group
- Standards: Ministry of Environment's Environmental Accounting Guidelines 2005 and DOCOMO Environmental Accounting Guidelines

Environmental Protection Costs

(million yen)

Category	Major Transactions	FY2018		FY2019		YoY Change	
		Investment	Expense	Investment	Expense	Investment	Expense
(1) Internal business area costs		826	14,412	654	13,987	-172	-425
(1)-1 Pollution prevention costs	Prevention of water contamination, proper PCB disposal	0	36	0	125	0	88
(1)-2 Global environmental protection costs	Development and operation of an e-billing service, etc.	804	12,747	654	12,266	-150	-481
(1)-3 Resource recycling costs	Reuse of dismantled telecommunications facilities, etc.	22	1,629	0	1,597	-22	-32
(2) Upstream/downstream costs	Recovery of used terminals, etc.	257	409	216	404	-40	-4
(3) Management costs	ISO certification/renewal, etc.	15	2,348	91	2,325	76	-23
(4) R&D costs	Research on energy/resource efficient telecommunications facilities, etc.	342	981	209	461	-133	-521
(5) Community Investments costs	docomo Woods and other tree planting initiatives, etc.	0	24	0	24	0	0
(6) Restitution for environmental damage costs	Not applicable	0	0	0	0	0	0
Total		1,440	18,174	1,171	17,201	-269	-973

Note: Totals may not be exact due to rounding.

Environmental Protection Benefits

Benefits		Major Benefit Indicators			
		Category (unit)	FY2018	FY2019	YoY Change
(1) Benefits derived from internal business area costs	1. Benefits related to resources invested in business activities	Electricity usage (including CGS power) (MWh)	3,084,765	3,100,171	15,406
		Paper usage (tonnes)	13,905	11,393	-2,511
		Paper reduced by e-billing (tonnes)	6,574	6,438	-136
	2. Benefits related to environmental impacts and waste from business activities	Greenhouse gas reduction (t-CO ₂)*	1,552,568	1,468,037	-84,531
(2) Benefits derived from upstream/downstream costs	Benefits related to goods/services produced by business activities	Industrial waste reduction related to telecommunications facilities and buildings (tonnes)	23,483	28,032	4,549
		The number of used mobile phones, etc., collected (10,000 units)	905	757	-148

*Combined volume of CO₂ emissions by energy source and other greenhouse gas emissions.

Note: Totals may not be exact due to rounding.

Economic and Practical Benefits of Environmental Protection Measures

(million yen)

Major Benefits		FY2018	FY2019	YoY Change
Revenues	Sales revenues associated with dismantling telecommunications facilities and building	1,101	788	-313
Cost reductions	Reduced fuel costs from low-emission vehicles	10,196	10,076	-120
	Reduced purchasing costs from reuse of dismantled telecommunications facilities	19,293	16,448	-2,846
Total		30,590	27,312	-3,278

Note: Totals may not be exact due to rounding.

Response to Recommendations by the TCFD

In June 2017, the TCFD* presented its final report, “Recommendations of the Task Force on Climate-related Financial Disclosures.” Accordingly, DOCOMO expressed its support for the recommendations in June 2019. Following the recommendations, we will disclose appropriate information on risks and opportunities associated with climate change.



*Established in 2015 by the Financial Stability Board in response to a request from the G20, the TCFD has aimed to assess and rate appropriately the 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 DOCOMO Group established the Sustainability Management Committee as an organ for top management to regularly confirm and discuss issues related to climate change.

The committee 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 to supervise progress and provide instruction.

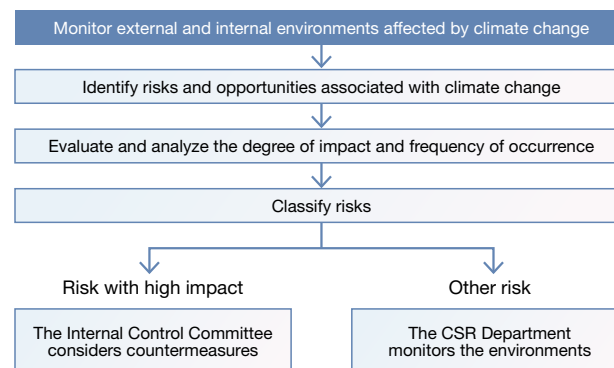
Deliberations by the committee on issues, including the Group's response to climate change, are thereby reflected in any revisions made to business strategies and instructions issued by the Board of Directors.

Risk Management

In accordance with our Risk Management Principles, business risks are regularly identified every fiscal year. The Internal Control Committee, headed by the president and CEO, then designates risks that require Companywide management.

Specifically, the CSR Department, responsible for Companywide environmental activities, monitors changes in the external and internal environments affected by climate change in order to identify the risks and opportunities that may have an impact on the business.

Risk Management Process Flow

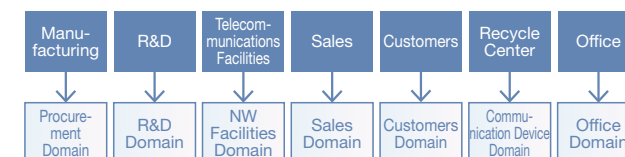


The Internal Control Committee then designates Company-wide risks through an evaluation and analysis of the degree of their impact and the frequency of occurrence.

The CSR Department will then examine those Company-wide risks as well as climate-related risks, which were not designated as Company risks, to determine risks and opportunities that we must emphasize. The committee then makes a list of registered risks and opportunities.

In addition, we have organized the DOCOMO Group's activities, products and services into seven domains and identified issues that need to be addressed by determining whether or not they adversely impact on the environment in these seven domains.

Seven Domains



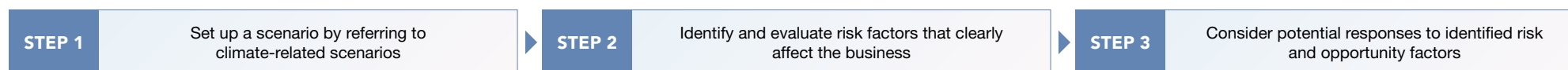
Strategy

Scenario Analysis

DOCOMO upholds the “Declaration beyond” Medium-Term Strategy to 2020 as well as its guiding slogan of “Connecting dreams for a richer future with 5G” while it strives to provide new value with a vision of the future beyond 2020. To generate value consistently, we are putting “Declaration beyond” into practice by placing CSR at the base of our business and paying due consideration to the diverse risks and opportunities surrounding the DOCOMO Group.

With respect to risks and opportunities, we had been addressing climate change in particular under the “DOCOMO Group’s Environmental Targets—Green Action Plan 2030.” Following the TCFD recommendations, we decided to examine the impact on our business and resilience of our strategies under various climate-related scenarios.

Scenario Analysis Process



STEP 1 Set Scenarios

This is DOCOMO’s report on the results of a scenario analysis trial for extreme cases of physical risks and transition risks.

① Scenario in which a physical impact materializes (average temperature will rise by 4°C)

- Effective climate change measures cannot be taken
- Temperature will rise, regional differences in precipitation will widen, sea levels will rise, and Arctic sea ice will melt
- Increase in abnormal weather events, etc.

② Scenario in which the decarbonization of society is rapidly achieved (target temperature of below 2°C (e.g., 1.5°C) will be attained)

- Society as a whole will become carbon-free, and moves toward CO₂ reduction will progress rapidly
- Regulations on carbon pricing, etc., will tighten across the world, etc.

We referred to the following in constructing each scenario.

1. Scenario in which a physical impact materializes: Intergovernmental Panel on Climate Change (IPCC), Fifth Assessment Report, and IPCC Special Report on Global Warming of 1.5°C
2. Scenario in which decarbonization of society is rapidly achieved: International Energy Agency (IEA), World Energy Outlook 2018—Sustainable Development Scenario (SDS), and IEA Energy Technology Perspectives 2017—Beyond 2°C Scenario (B2DS)

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

Boundary: All operations of the DOCOMO Group

Time frame: Set at years up to 2030 based on the pace of technological innovations and other environmental changes in the telecommunications industry

STEP 2 Results of Scenario Analysis

① Scenario in which physical risks materialize (a future in which the average temperature has risen by 4°C)

Physical Aspects of the Scenario		DOCOMO's Risks	DOCOMO's Initiatives and Opportunities
Acute	Heavy rains, torrential downpours Increased flooding Increased typhoons	<ul style="list-style-type: none"> • Suspension of transmission at base stations • Unstable supply of telecommunication services • Decline in reliability • Decrease in demand for products and services, decrease in sales 	<ul style="list-style-type: none"> • Construction of disaster-resilient telecommunication networks <p>Specific Examples</p> <ul style="list-style-type: none"> -Area coverage using multiple base stations -Establishment of medium and large-zone base stations -Elevation of base station facilities -Remote control of service areas -Reinforcement of emergency power sources, doubling of transmission paths and other measures • Formulation of the Disaster Preparedness Manuals
		• Damage to base stations	• Installation of batteries at docomo Shops
		• Suspended operations at sales representatives and decline in revenue	• Reinforcement of emergency power source at base stations
		• Cancellation of products and services due to interruptions in the supply chain	Diversified suppliers
Chronic	Increased days with temperatures above 30°C	Higher electricity costs due to increased consumption of power used for cooling facilities	Improved energy efficiency of air conditioning at telecommunications facilities and data centers (high-efficiency air conditioning equipment for improved air flow using outside air)

② Scenario in which the decarbonization of society is rapidly achieved (a future where the target increase of 2°C (1.5°C, for example) has been attained)

Transition Scenario		DOCOMO's Risks	DOCOMO's Initiatives and Opportunities
Government Policies and Regulations	Tighter regulations (improvement in energy efficiency, carbon pricing and others)	<ul style="list-style-type: none"> • Higher global warming taxes • New carbon pricing systems • Rise in electricity costs due to the introduction of regulations for improving energy efficiency 	<ul style="list-style-type: none"> • Promotion of higher energy efficiency in the telecommunications industry (raising the energy efficiency of equipment, research on highly efficient devices, introduction of intelligent air conditioning, installation of green base stations) • Optimal contracts with electric power companies
	Recommendations by industry groups such as the GSMA	Obstacles to transition to 5G, expansion of IoT and other aspects posed by recommendations proposing "zero CO ₂ emissions by 2050" and other requirements	
Markets	Heightened demand for decarbonization from customers and corporate customers (procurement requirements)	Fewer new subscriptions and more cancellations if corporate efforts are deemed insufficient	<ul style="list-style-type: none"> • Development and delivery of services and technologies that help reduce CO₂ emissions • Active advertisement of actual CO₂ emissions reductions achieved by using ICT services • Transmission of information on energy-efficient initiatives by the telecommunications service
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	

STEP 3 Response to Identified Risks and Opportunities

Response to Physical Risks

Type of Risk	Risk Factor	Risk Details
Physical risk*	Chronic	Increase in electricity costs due to a greater use of air conditioning for cooling equipment

*Acute or chronic risk posed by climate change

While there are apparent physical risks due to climate change, such as the frequent occurrence of natural disasters, including flooding triggered by extreme weather events and the rise in sea level caused by a prolonged rise in global temperature, DOCOMO deems any increase in electricity costs due to the rising average temperature, which requires us to consume more electricity to maintain the optimum temperatures of our facilities, as a physical risk. Communication facilities and data center equipment responsible for DOCOMO's telecommunications services are installed and operated throughout Japan. These facilities and equipment are being operated at all times under optimum temperatures of between 10°C and 35°C. When the temperature rises above that range, operating system shutdowns and malfunctions may make service provision difficult, thereby leading to the risk of affecting approximately 80 million customers. Including these risks, the Internal Control Committee of the DOCOMO Group designated "profit deterioration due to the delayed response to failures/malfunctions" as a Company-wide risk.

As a method of managing such risk, the committee set out a concrete management policy to undertake appropriate measures. These include the establishment of an optimal backup system and development of equipment with high availability as well as the measures currently being implemented and undertaken by the Network Department. Any

occurrence of risk will be handled by the Network Department through various operations. Related measures could include the establishment of technical support and emergency systems, early recovery measures for failures, dissemination of information to frontline departments and customers, and reporting to executives. Physical risks need to be managed from a long-term perspective, and the committee will continue to implement the monitoring necessary to minimize those risks.

Response to Transition Risk

Types of Risk	Risk Factors	Risk Details
Transition risk*	Policies and laws	Risk of being affected by the price pass-through to electricity prices, etc., due to an increase in the Tax for Climate Change Mitigation
Transition risk*	Reputation (stakeholders)	If our stakeholders consider that our efforts are too passive, a reputational risk can result in losing customers, falling stock prices and damage to the corporate image

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

With regard to risks associated with the transition to a low-carbon society, including regulatory, technological and market changes, the DOCOMO Group believes that a decrease in revenues due to lowered customer confidence and corporate image is a significant material risk, as it could have a substantive financial impact on our business.

From this standpoint, the Internal Control Committee designated “lowered reputation due to failing to achieve the targets of the Green Action Plan 2030” as a Company-wide risk. Subsequently, the CSR Department formulated a risk management policy plan as a method for managing that type of risk. The plan includes the establishment of expert subcommittees under the Environmental Management System, formulation of

action plans for each expert subcommittee, and reporting on the progress, discussing and making decisions related to the measures to be taken at the Sustainability Management Committee meetings, chaired by the president and CEO and attended by the main members of the Board of Directors. In response, and to determine the necessary actions for mitigating transition risks, the Internal Control Committee set out a concrete management policy of “achieving the 2030 targets without fail.” Moreover, the CSR Department promoted the implementation of action plans and reported on their progress to the Sustainability Management Committee. Looking ahead, the committee will continue to monitor areas associated with transition risks in order to minimize the negative impact they may have on our businesses.

Response to Opportunities

Types of Opportunities	Opportunity Factors	Details of Opportunities
Products and services	Development and expansion of low-pollution products and services	It is expected that regulations of GHG emissions will become stricter due to the ratification of the Paris Agreement, which may encourage consumers to choose means of transportation that are environmentally friendly, thus increasing demand for the DOCOMO Group's bicycle sharing business.
		Due to the stricter environmental regulations requiring that companies reduce GHG emissions, demand for DOCOMO's AI Taxi®, which operates in accordance with taxi demand predictions, is expected to increase.
Resilience	Increasing demand through new products and services related to ensuring resilience	Due to frequent damage caused by flooding, lightening, power outages, more frequent heavy rains and typhoons induced by climate change, demand for our early recovery services for companies and mobile telecommunications services including satellite phones will increase.

DOCOMO BIKESHARE, INC., a Group company, is expanding its bicycle sharing business to maximize the opportunities associated with changes in consumer preferences, as all consumers will choose environmentally friendly means of transportation.

We are strengthening our ties with municipalities in order to maximize opportunities to increase demand for bicycle sharing. As of the end of fiscal 2019, we have expanded the service, with approximately 13,400 bicycles and 1,660 bicycle ports in 30 locations throughout Japan. Bicycle usage in fiscal 2019 reached approximately 12 million rides, 1.5 times higher than in the previous fiscal year. Going forward, we plan to further expand the use of our bicycle sharing services by increasing access and improving the environment through co-creation with partners.

Future Initiatives

With respect to the possible future impact of climate change on DOCOMO derived from our scenario analysis, we found that such impacts were generally being addressed through DOCOMO's ongoing initiatives and preparations for achieving the “Declaration beyond” Medium-Term Strategy to 2020 and “DOCOMO Group's Environmental Targets—Green Action Plan 2030.” Looking ahead, we will expand our analysis to incorporate the financial impact based on the results of the scenario analysis.

Metrics and Targets

Disclosures on our targets and results for managing climate-related risks and opportunities are as follows. Please refer to page for actual data on GHG emissions.

FY2030 Targets



Amount of contribution to the reduction of CO₂ emissions across society:

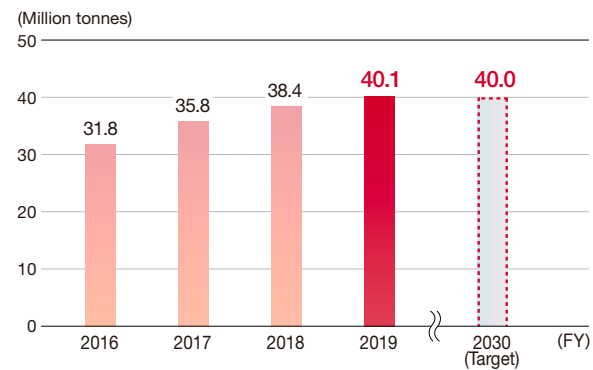
40 million tonnes or more



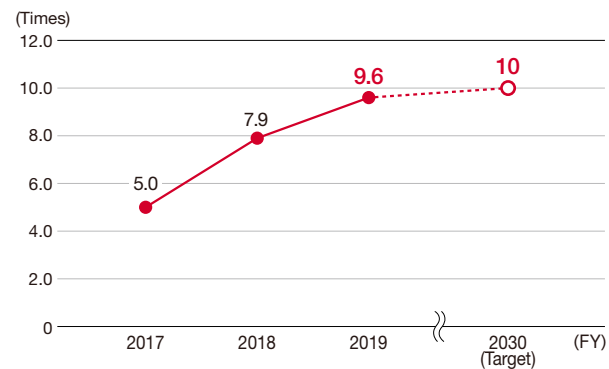
Electrical efficiency of telecommunications services

10 times or more
(compared to FY2013 level)

Amount of Contribution to the Reduction of CO₂ Emissions across Society



Electrical Efficiency of Telecommunications Services (compared to FY2013)



Creation of a Low-Carbon Future

Basic Policy

Reducing CO₂ and other greenhouse gas emissions, which are known causes of global warming, is an important 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 CO₂ emissions.

The DOCOMO Group will contribute to reducing the CO₂ emissions of society as a whole and adapting to climate change toward the creation of a future low-carbon society by way of providing ICT services and advanced technologies.

Five Green Projects

Looking ahead to the new era of 5G arriving in 2020, we are promoting the five green projects.

Purpose	Project
To reduce CO ₂ emissions by improving electricity efficiency in the telecommunications business	<ol style="list-style-type: none"> 1. Energy conservation for facilities 2. Introduction of technologies to reduce environmental impact 3. Improvement of storage capacity 4. Utilization of renewable energy
To reduce CO ₂ emissions, etc., by developing networks that contribute to the realization of an efficient society	<ol style="list-style-type: none"> 5. Development of a network that contributes to the reduction of CO₂ emissions in society

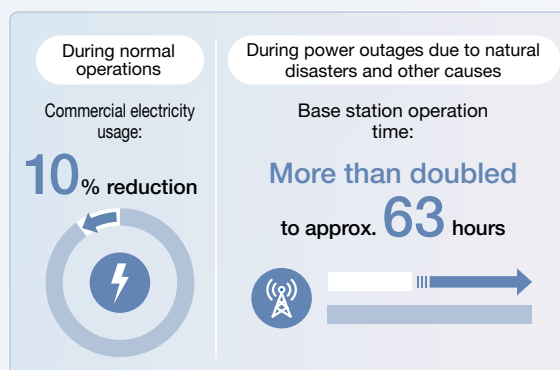
Initiatives for the Creation of a Low-Carbon Society

CASE

Next-generation Base Stations that Use Renewable Energy

About 70% of the electricity that DOCOMO consumes is used at base stations nationwide. Therefore, to reduce CO₂ emissions generated by electricity consumption at base stations, we are upgrading to next-generation green base stations by installing solar panels and high-capacity rechargeable batteries at our existing base stations. As of March 2019, we had 200 green base stations in operation. Electricity generated by solar panels is used to supply the equipment, and lithium-ion batteries store surplus generated electricity in preparation for a possible power disruption.

In March 2016, we confirmed that our weather forecast-linked green base stations equipped with solar panels and lithium-ion batteries can produce the following advantages compared to conventional green base stations.



Solar Panel Installation in an Unused Area of a Base Station

In fiscal 2019, we constructed and began operation of an off-grid base station that operates only on the power generated by solar panels in areas of Hokkaido where power lines are difficult to lay.

In fiscal 2020, we plan to build an off-grid base station in Shikoku that uses fuel cells* in addition to solar panels.

*One feature of DOCOMO's fuel cells for base stations is that they use methanol as a fuel for producing hydrogen, which then generates electricity through a chemical reaction with oxygen. This process begins when the commercial power supply is interrupted, to supply power to telecommunication facilities.



Total electricity output as of the end of March,

2,000 kW

Energy-saving in Communication Devices




As for smartphone and tablet models launched in fiscal 2018, we were able to reduce electricity consumption and prolong the standby period of batteries by an average of approximately 10% per battery capacity compared to products launched in fiscal 2018.



Green base station

Environmental Solution Label

The NTT Group is implementing a labeling system for environmental solutions toward developing a deeper understanding by quantifying the effects of CO₂ reductions achieved through the use of ICT services. The criteria for obtaining certification is to demonstrate that the ICT service results in more than a 15% reduction of CO₂ emissions compared to when the service is not used. DOCOMO has obtained the Environmental Solution Label for its LTE service, the docomo LoRa[®] solution, and docomo sky[®].

Certified Solutions	CO ₂ Reduction Effect
 LTE service	98.9 % reduction
 LoRa[®] Solutions	35.6 % reduction
 docomo sky[®]	37.1 % reduction

We will continue to provide customers with a convenient and comfortable communications environment and various ICT-based solution services while also seeking to help reduce environmental impact for all of society.



CASE

Environmental Solution Label: Reducing Environmental Impact through docomo sky[®]

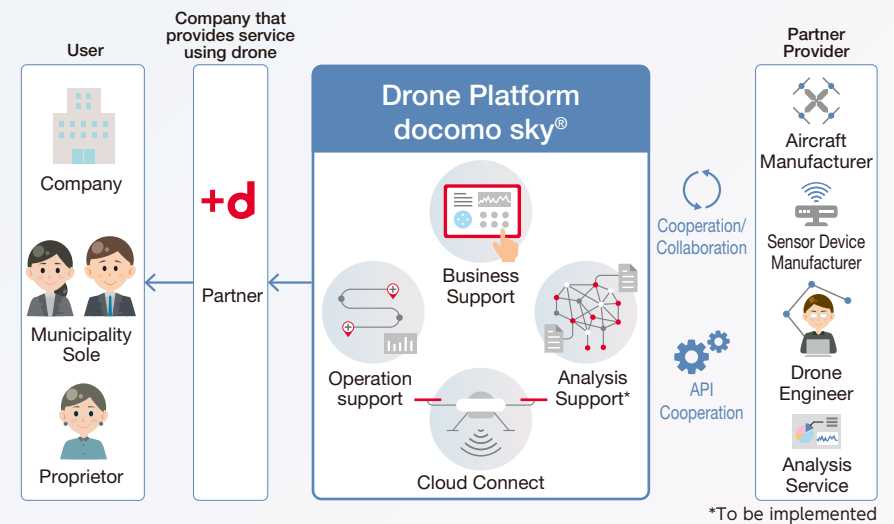
The web platform service docomo sky[®] can centrally manage work related to drone operation by implementing four functions: cloud connect, operation support, business support, and analysis support (scheduled for implementation). How the platform works depends on what it is used for. For example, users enjoy the following advantages during steel tower inspections.

- Aerial photography with a drone eliminates the need for high-altitude work (visual checks and photography), for safe, inexpensive inspections.
- The use of a flight support app allows for easy drone operation (semi-automatic flight) and shooting without a specialized pilot.
- Uploading images to docomo sky[®] via the Internet enables easy confirmation and sharing among workers.
- The application of AI analysis allows for easy and highly accurate inspections.

The above functions facilitate uniform inspection results no matter who carries out the inspection.

The evaluation results of 140 annual tower inspections revealed that the use of docomo sky[®] decreases CO₂ emissions by 37% annually, compared to conventional methods, as a result of more efficient image shooting, a reduction in the annual number of trips made due to an increased number of towers that can be inspected each day, and reduced working hours required for image inspection.

Overview of the docomo sky[®] Service

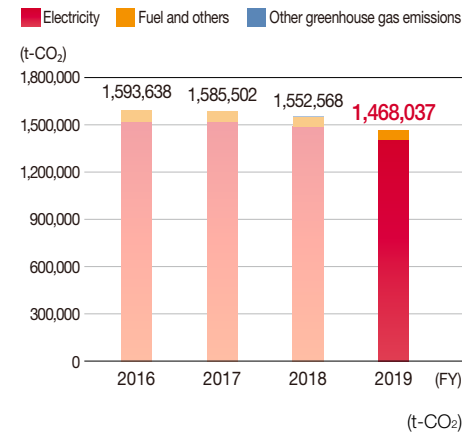


Identifying Environmental Impacts

Greenhouse Gas Emissions for the Entire Supply Chain (FY2019)

Scope	Category (Scope 3)	Method of Calculation	Emissions (t-CO ₂)	Ratio (%)
Scope 1	Direct emissions		55,130	0.9
Scope 2	Indirect emissions		1,412,907	23.5
Scope 3	Other indirect emissions		4,542,236	75.6
	1. Purchased goods and services	Calculated by multiplying the number of units of mobile phones purchased (major purchased items) by the emissions intensity	2,055,161	34.2
	2. Capital goods	Calculated by multiplying the amount of capital expenditures by the emissions intensity for telecommunications	1,894,995	31.5
	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 purchase by their respective emissions intensity	210,987	3.5
	4. Upstream transportation and Distribution	Calculated by multiplying the shipping fee charged to the sales base by the emissions intensity of transportation	8,878	0.1
	5. Waste generated in operations	Calculated by multiplying the weight of waste by the emissions intensity for each type of waste and disposal method	1,315	0.0
	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	7,620	0.1
	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	4,127	0.1
	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 phone sold by the emissions intensity per line	277,921	4.6
	12. End-of-life treatment of sold products	Calculated by weight of each parts of mobile phones sold by the emissions intensity for each type of waste	106	0.0
	13. Downstream leased assets	(Calculation not applicable)	—	—
	14. Franchises	Calculated by multiplying the total floor area of docomo Shops by the emissions intensity per floor area	81,125	1.3
	15. Investments	(Calculation not applicable)	—	—
Total			6,010,273	100

Greenhouse Gas Emissions



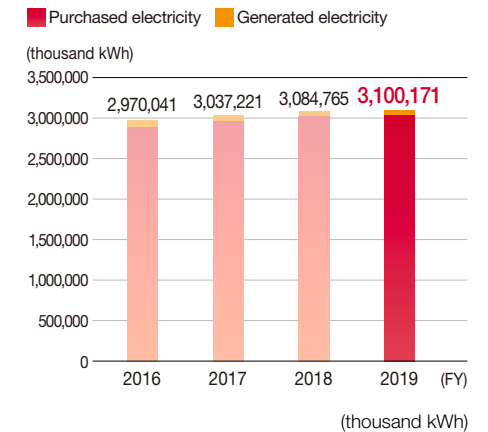
	FY2016	FY2017	FY2018	FY2019
Electricity	1,519,231	1,518,377	1,489,503	1,406,483
Telecommunications facilities	1,454,863	1,455,415	1,428,561	1,345,220
Fuel and others	71,940	64,947	61,052	59,585
Other greenhouse gas emissions	2,466	2,178	2,011	1,969
Total	1,593,638	1,585,502	1,552,568	1,468,037

Note: Electricity figures are calculated with conversion coefficients provided by the power companies.

Fuel and Heat Use

	Unit	FY2016	FY2017	FY2018	FY2019
Gas	thousand m ³	26,842	23,602	21,652	21,427
Heavy oil	kℓ	101	79	64	75
Diesel oil	kℓ	103	142	157	160
Gasoline (automobile)	kℓ	1,485	1,280	1,199	1,032
Heat	GJ	94,745	109,838	120,746	112,702

Electricity Consumption



	FY2016	FY2017	FY2018	FY2019
Purchased	2,892,091	2,969,695	3,023,296	3,039,518
Communications facilities	2,757,076	2,833,699	2,891,167	2,905,940
Generated	77,950	67,526	61,469	60,653
Solar and wind power	668	779	1,066	1,299
Total	2,970,041	3,037,221	3,084,765	3,100,171

Formation of a Sustainable Society

Basic Philosophy

While our high turnover “consume and dispose society” based on mass production, consumption and disposal has brought us a rich and convenient lifestyle, it has also raised serious issues, such as the creation of massive volumes of waste, illegal dumping and the depletion of natural resources.

Addressing these issues requires a review of corporate management as well as social and economic systems in order to shift to a sustainable society capable of managing resources.

The DOCOMO Group will contribute to the responsible use of resources by promoting 3R initiatives for communications equipment and utilizing ICT to create a recycling society.

Reducing Waste and Promoting Recycling

Proactive Waste Reduction and Recycling

DOCOMO uses a substantial amount of resources in developing and selling mobile phones, constructing and operating network facilities, managing shops and conducting administrative work at offices. We are currently striving to reduce waste by accurately tracking resources and using them efficiently. When waste is generated despite these efforts, we do our best to reuse or recycle it, with the goal of drawing near to a final disposal volume of zero. For example, optical fiber, scrap metal, concrete poles and other waste produced when old facilities are dismantled is reused or recycled to the extent possible.

Additionally, our Green Design Guidelines for Buildings are put into practice when constructing or upgrading

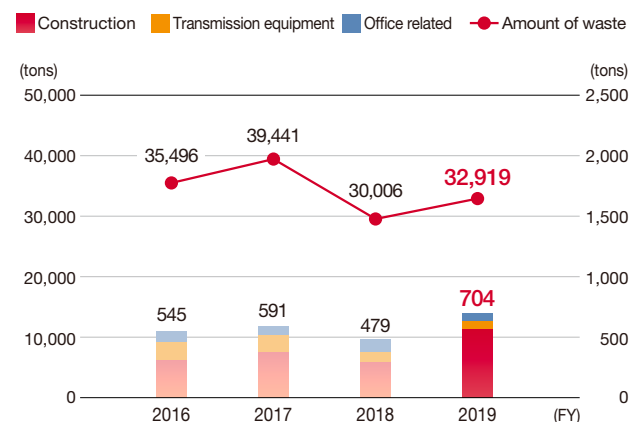
telecommunications facilities and buildings. We actively use recycled materials and materials capable of being recycled or reused.

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

Disposal of telecommunications equipment and construction waste in fiscal 2019 has increased from the previous fiscal year due to disasters, new construction, and the abolition of base stations as well as the renovation of node buildings.

Amount of Waste and Final Waste Disposal

Amount of Waste and Final Waste Disposal

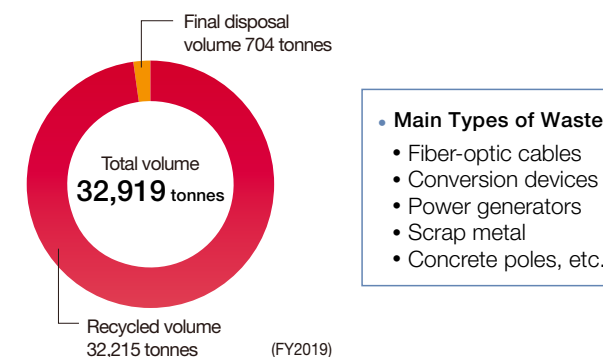


	(tonnes)			
	FY2016	FY2017	FY2018	FY2019
Amount of waste	35,496	39,441	30,006	32,919
Office related	6,544	6,027	6,523	5,584
Telecommunications equipment	17,960	18,194	15,917	17,381
Construction	10,993	15,220	7,565	9,954
Final waste disposal	545	591	479	704
Office related	82	70	101	63
Transmission equipment	143	137	79	72
Construction	320	384	299	570
Final disposal rate (%)	1.5	1.5	1.6	2.1

Recycled Containers and Packaging (Volume Reported in Fiscal 2019)

- Plastic containers: 220 tonnes
- Paper bags: 1,354 tonnes

Total Recycled Volume of the DOCOMO Group



Main Types of Waste

- Fiber-optic cables
- Conversion devices
- Power generators
- Scrap metal
- Concrete poles, etc.

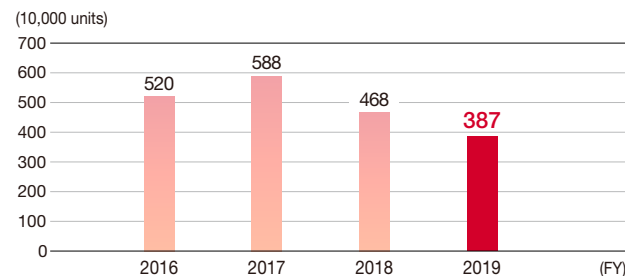
Mobile Phone Recycling for Effective Utilization of Valuable Resources

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. Therefore, DOCOMO has addressed collecting and recycling used mobile phones since 1998.

In 2001, we partnered with the Telecommunications Carriers Association, a trade organization of telecommunications carriers, and built the Mobile Recycle Network, which collects and recycles mobile phones mainly at docomo Shops regardless of the original provider. In fiscal 2019, we collected roughly 3.87 million phones and have now collected a cumulative total of about 115.23 million phones.

In addition to circuit boards in which rare metals are used, we also recycle plastic body parts using plastic liquefaction technology.

Used Mobile Phone Collection (by Fiscal Year and Figures)



Statistics (FY2019)

- Mobile phones: 3.87 million
- Batteries: 2.87 million
- Chargers: 0.83 million

Principal Resources Recycled through (FY2019)

- Copper: 120,535 kg
- Gold: 39 kg
- Silver: 138 kg
- Palladium: 2 kg

Response to Plastics

DOCOMO recognizes the effective use of resources, including plastics, as a key environmental concern and is actively recycling waste to achieve its reduction target for final waste disposal (fiscal 2030 target: final waste disposal ratio of 1% or below). We are working to recycle containers and packaging delivered to customers in accordance with the law and in collaboration with the Japan Containers and Packaging Recycling Association. The Telecommunications Carriers Association (TCA), which represents the industry in Japan, is also considering setting a target for plastics. Looking ahead, DOCOMO will continue to pursue its initiatives with an eye on such external developments.

Replacing Paper Bag Material with “Plastic-free”

Over the past years, the bags used at docomo Shops had their surfaces laminated with a plastic material, but they have been renewed for the first time in 12 years and replaced with bags made of 100% recycled paper or, in other words, containing no plastic. In addition, environmentally friendly water-based ink is used to reduce environmental impact.



renewed docomo paper bag

Reducing Paper Resources

Reducing Paper Consumption with Electronics Bills and Statements

In our e-billing service, customers paying their monthly mobile phone usage charges via bank transfer or credit card can view their monthly bill on sp-mode, i-mode or a personal computer, instead of receiving monthly bank transfer and account statements through a postal service. We have made e-billing the standard mode of providing information on monthly usage charges to customers starting in February 2015, covering mobile phone use for January.

As of the end of fiscal 2019, subscriptions to the service were approximately 22 million. In terms of A4-size paper, our e-billing service has saved around 530 million sheets of paper in a year.

Web Statement Service (dCARD Credit Service)

DOCOMO provides the Web Statement Service to let customers view their dCARD credit service usage statements via the Internet.

Starting with billing statements for February 2015, we strived to further reduce paper usage to protect the natural environment by designating Web-based statements as the default option. As a result, almost all of our customers have signed up for the Web-based Service as of the end of fiscal 2019.

Reducing Paper for User Manuals with Digitization and Thinner Copies

Beginning in fiscal 2011, user manuals for all newly introduced Android smartphones and tablet devices as well as DOCOMO mobile phones (sp-mode) have been provided in digital form accessible as an application (e-manuals) on these products.

DOCOMO's i-mode mobile phones also continue to carry a user manual app since 2009. We will continue to promote the use of digital media for user manuals and optimize the content of the paper-based manuals to reduce paper consumption further.

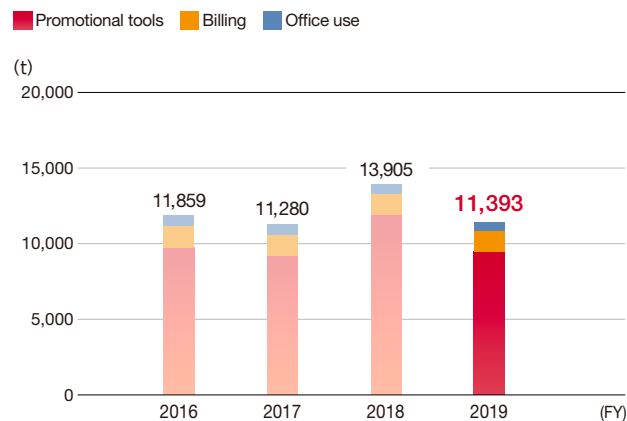
Environmental Approaches Taken at Offices and Shops

DOCOMO is working to reduce paper usage and boost waste recycling rates at its offices and shops.

In fiscal 2019, we visually communicated monthly paper usage per person in each division and branch to promote greater employee awareness of the need to reduce paper usage. As a result, the average amount of office paper used per employee declined by 7.5% compared to the previous fiscal year. Additional measures such as the promotion of paper-less meetings by using the internal web conferencing system, personal computers, tablets and other devices will be pursued to further reduce paper usage.

Moreover, to reduce paper consumption in individual shops, DOCOMO is making every effort to accurately determine the number of promotional tools to prepare and distribute to each shop by utilizing an analysis system specifically designed for this purpose. We also made the customer management system accessible from both conventional desktop computers and newly distributed tablets at the docomo Shops to meet customer needs by providing electronic forms, thereby reducing paper usage. In fiscal 2019, we reviewed the promotional tools and reduced the number of pages and, as a consequence, the amount of paper used has declined. We will continue to reduce our paper usage by using signage and by other means.

Paper Usage



	FY2016	FY2017	FY2018	FY2019
Office use	704	672	619	591
Billing	1,399	1,402	1,381	1,357
Promotional tools	9,756	9,206	11,905	9,446
Total	11,859	11,280	13,905	11,393

Reducing Water Consumption

We take initiatives to reduce water consumption at our offices. We will strive to increase employee awareness of water conservation by establishing new water conservation measures and visualizing their efforts.

Water Consumption

	FY2016	FY2017	FY2018	FY2019
Total consumption	1,567	1,508	1,486	1,474
Tap water	1,472	1,408	1,398	1,384
Recycled wastewater	95	100	88	90

Reducing Water Consumption in Eco-Friendly Facilities

DOCOMO has been reducing the environmental impacts associated with water consumption in its facilities in line with the NTT Group Green Design Guideline for Buildings. The guideline provides basic building design considerations aimed at protecting the global environment in terms of construction and operation with the goal of reducing impacts 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 impacts, such as controlling water consumption and recycling rain water. Beginning with its own facilities, DOOMO is striving to reduce water consumption to ensure the overall well-being of the environment.

Rainwater Harvesting

By reducing the volume of water instantaneously discharged at times of heavy rain, we strive to relieve the environmental impact on local areas subject to seasonal downpours and also reduce the impact on sewerage systems.

Recycled Water Facility

We collect wastewater from toilets and kitchens in an underground water tank, filter it for recycling, and reuse it for flushing toilets. In addition, we recycle some of the harvested rainwater, mentioned above, through our recycled water facility to further reduce environmental impact.

Water Conservation Appliances

We use water conservation appliances for plumbing fixtures and toilet-noise maskers in women's toilets to reduce the frequency of flushing.

Preservation of Biodiversity

Basic Philosophy

As the basic policy toward preservation of biodiversity, DOCOMO will promote initiatives to preserve biodiversity for future generations by understanding how our business activities are related to biodiversity. Specifically, we will promote activities to preserve biodiversity while striving to pursue initiatives in collaboration with stakeholders.

Forest Maintenance Activities in All docomo Woods

DOCOMO is involved in the docomo Woods program to plant and improve forests throughout Japan. It has been established on the basis of the Forestry Agency's corporate forest program*¹, the National Land Afforestation Promotion Organization's Green Fund*², as well as corporate forestry support programs*³. In fiscal 2019, these activities were held 43 times and about 1,314 people participated in them.

Forest Maintenance Activities in docomo Woods	FY2016	FY2017	FY2018	FY2019
Activities held	45	38	47	43
Participants (approximate)	1,880	1,470	1,720	1,314

The nature conservation program docomo Woods aims to raise awareness of environmental conservation and volunteerism. It provides opportunities for employees and their

family members to experience nature and participate in various forest maintenance activities such as clearing underbrush and cutting limbs. As of the end of September 2020, docomo Woods have been established in 49 locations in all 47 prefectures and cover roughly 210 hectares, which corresponds to an area of approximately 161 baseball fields (each with an area of 1.3 hectares). In addition, land blessed with rich nature can filter rainwater naturally and produces clean groundwater. To pass on the beautiful nature to the next generation, we intend to continue the program so as to contribute to the protection of the natural environment and biodiversity preservation.

*1 The corporate forest program is a system under which the Forestry Agency and private-sector companies plant and manage forestland and share income earned from harvesting the trees.

*2 The Green Fund raises money for preserving green spaces, improving forests, promoting tree planting and contributing to international afforestation projects.

*3 Programs established primarily by prefectural governments and prefectural tree planting promotion committees.



Experiential learning during tree planting activities at the docomo Kamuishiri Woods (in Hokkaido)



Tree planting in the DOCOMO Gunma Forest in Gunma Prefecture

Consortium for Promoting Okinawa's World Natural Heritage Candidate Sites

NTT DOCOMO, Inc., together with Japan Transocean Air Co., Ltd., the Okinawa Regional Office of Japan Post Co., Ltd. and NPO Dobutsutachi no Byoin Okinawa (Hospital for Animals Okinawa), founded the Consortium for the Promotion of World Natural Heritage in May 2019 with the goal of preserving the environment and developing communities in World Natural Heritage candidate sites and other regions in Okinawa Prefecture.

The consortium will seek to build momentum for the World Natural Heritage campaign by engaging in promotional activities and addressing a variety of problems such as protecting rare species and the natural environment as well as poaching and smuggling. Participating companies will also provide maximum support to studies and research while also cooperating with local government efforts. As of July 31, 2019, 32 companies have declared their intention to participate, and we expect to receive backing from the Ministry of the Environment's Okinawa and Amami Natural Environment Office, Okinawa Prefecture, the University of the Ryukyus, as well as cities and towns across Okinawa. Additionally, the consortium will seek to contribute to the region and develop communities through the effective preservation of rare species and the natural environment toward selection as a World Natural Heritage site and the establishment of a sustainable model for environmental preservation and regional development.

Major Activities

- Protection of rare species and the natural environment
- Promotional activities related to World Natural Heritage, studies and research
- Measures to prevent poaching and smuggling
- Cooperation with local government efforts
- Regional contribution and community development based on the effective preservation of rare species and the natural environment
- Contribution to sustainable social development by promoting the SDGs
- Other activities for achieving the consortium's goals