

Outline

DOCOMO aims to effectively achieve zero greenhouse gas emissions resulting from its business activities by 2030.

1. Improved network energy efficiency

DOCOMO will reduce power consumption by upgrading the sleep functions of base stations and by developing and implementing advanced technologies and equipment such as power-saving devices for 5G. DOCOMO will further reduce its power consumption by deploying consolidated base station digital processing equipment, sourcing power directly from high-voltage DC equipment with reduced transmission loss, installing air-conditioning control systems with self-learning functions, and upgrading to more efficient air-conditioning facilities.

2. Active use of renewable energy

In cooperation with NTT Anode Energy Corporation, DOCOMO will use renewable energy, such as energy provided by solar power plants dedicated to supplying DOCOMO, and by other sources. In addition, the company will purchase non-fossil fuel certificates that are designated as renewable energy, effectively raising the percentage of energy used by DOCOMO classified as renewable to 100%.

3. Innovative developments such as the Innovative Optical and Wireless Network (IOWN)

The company will deploy its IOWN photoelectric fusion technology by 2030, and will develop next-generation network and information processing infrastructure that will contribute to the reduction of greenhouse gas emissions, helping to realize both high-speed communications and a reduction in electric power consumption.

Efforts to reduce greenhouse gas emissions in the value chain

1. Use of green energy at DOCOMO shops

DOCOMO shops aim to achieve a 100% renewable energy ratio in terms of electricity consumption by directly supplying electricity from solar panels installed at their premises and purchasing renewable energy provided by electric power companies.

2. Reducing greenhouse gas emissions across the supply chain

The company will reduce greenhouse gas emissions by cooperating with suppliers of telecommunications equipment and mobile devices, and by actively procuring environmentally-friendly products in order to reduce greenhouse gas emissions across its entire value chain.

Working with customers and partner companies to reduce greenhouse gas emissions across society

1. Deployment of services with renewable energy

- DOCOMO's 5G will be named "Green 5G™" from October 1, 2021, highlighting that it is environmentally-friendly resulting in zero greenhouse gas emissions. 5G will be designated as "Green 5G" when the ratio of their effective renewable energy consumption (including the use of non-fossil fuel certificates)

to all of the company's power consumption exceeds the ratio of the number of 5G subscribers to all of the company's subscribers.

- “docomo Denki Green” – a service offering electricity generated from renewable sources – to be offered from March 2022 (tentative schedule) as part of the “docomo Denki” electricity service lineup. DOCOMO will sell environmentally-friendly electricity generated from effectively renewable energy sources (including the use of non-fossil fuel certificates) in the open market.

2. New environmentally-conscious services (available only in Japan)

- ESG¹-related exchange-traded funds to feature in the investment management service “THEO+docomo”.

From September 28, 2021, the Robo-adviser investment management service “THEO+docomo” will add a new function offering ESG-related exchange-traded funds as investment products called “THEO GREEN”.

- SDGs²/ESG related funds to be added to investment service using d POINT:

DOCOMO will provide new SDGs/ESG funds as part of its investment offerings, with users able to use d POINTs earned from monthly mobile phone payments towards the purchase of funds from mid-October, 2021.

- Eco-conscious fashion brands and products on “d fashion TM”.

DOCOMO's online “d fashion” shopping site set up a new section on September 27, 2021, introducing sustainable-concept brands and products that feature recycled materials.

- Recycled materials to be used to manufacture “d card TM” credit cards

Going forward, recycled plastic materials will replace the materials used in the manufacture of “d card” credit cards.

3. Caboneu TM Platform

This platform will allow customers to visualize the contribution their own activities make to greenhouse gas emissions and help them understand how they can help achieve carbon neutrality. The company will review the content of the platform with partner companies in the “Caboneu” ecosystem.

¹ ESG: Environment, Social, Governance. With the greater awareness of global social issues such as climate change and human rights, companies that fail to take ESG issues into account when pursuing long-term growth are considered by investors to be at risk of undermining their corporate value. Therefore, it is believed that taking ESG issues into account will lead to a strengthening of the management foundation that supports long-term corporate growth.

² SDGs: Sustainable Development Goals. As a successor to the Millennium Development Goals (MDGs) formulated in 2001, the overall international goal of achieving a sustainable and better world by 2030 was included in the “2030 Agenda for Sustainable Development” adopted at the UN Summit in 2015. Comprising 17 goals and 169 targets, it vows to “leave no one behind” on Earth. The SDGs are universal efforts not only for developing countries but also for developed countries themselves, and Japan is actively focusing on these.