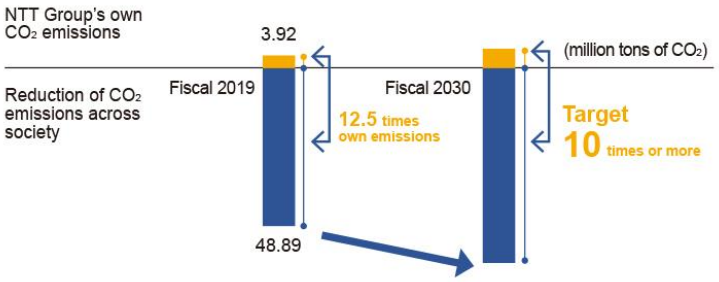
Targets and Results

Reduction of CO_2 Emissions across Society

The NTT Group has established a target for fiscal 2030 calling for it to contribute to reducing the CO_2 emissions of society as a whole by at least 10 times more than the NTT Group's own emissions through its services and technologies.

This target is intended to contribute to the reduction of CO_2 emissions across society by providing ICT services and technologies while curbing CO_2 emission amounts from our own business activities.



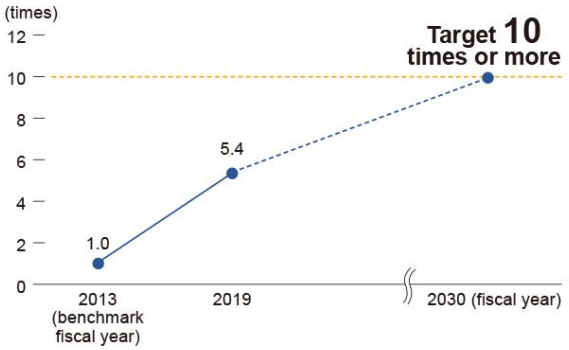
The use of information communication, which is expanding each year through the spread of smartphones and high-speed and large-capacity networks, requires energy. On the other hand, by improving efficiency and reduction of goods through digitalization, the use of information also contributes to the reduction of CO_2 emissions across society by reducing environmental load more than the energy consumption it requires.

Notes:

- The amount of reducing CO_2 across society quantifies the energy savings effects obtained through ICT services using CO_2 volume. The energy saving effect is quantified with references to the Telecommunication Technology Committee (TTC) Standard "Methodology for the assessment of the environmental impact of information and communication technology goods, networks and services (JT-L1410)" and the calculation method specified by the "LCA of Information and Communication Technology (ICT) business organizations" research group of the Life Cycle Assessment Society of Japan.
- The effects of energy savings obtained through the introduction of ICT services include, for example, reduced electricity usage by homes, companies and factories from energy management, alleviation of traffic congestion using analysis of congestion and operation information, and reduced electricity usage from the streamlining and optimization of transportation schedules.
- The amount of CO_2 emissions for the NTT Group includes the emissions from facilities necessary for other telecommunication carriers and data centers to provide their services.

Power Efficiency of the Telecommunications Business

The NTT Group has established the target for fiscal 2030 to improve the power efficiency per data transmission in our telecommunications business to at least 10 times higher than in fiscal 2013*1. Electricity is essential to the continuity of the telecommunications business and it also accounts for more than 90% of the NTT Group's CO_2 emissions. We set this target because improving the efficiency of using electricity both reduces the risk of business disruptions and helps mitigate climate change.



We are introducing highly energy efficient equipment and improving the efficiency of network structures based on our Energy Efficiency Guidelines.

In October 2018, NTT became the first telecommunications carrier in Japan to join the EP100*2 international initiative on energy efficiency led by The Climate Group. By participating in such an international initiative, we intend to publicly declare the NTT Group's commitment to the environment and express our stance on international environmental issues.

*1 The telecommunications businesses subject to the calculation for power efficiency are the domestic businesses of the telecommunications business segment appearing in our Annual Report (NTT East, NTT West, NTT Communications, NTT DOCOMO, and NTT DATA).

*2 An international initiative comprising companies pledging to double the energy efficiency of their operations (improve energy efficiency by 50%) as participants.

CO_2 Emissions from Business Operations

As part of its efforts to promote the Environment and Energy Vision, the NTT Group announced its participation in the SBT in May 2020. We will set our reduction targets for greenhouse gas emissions based on the SBT as an initiative for achieving zero environmental impact.

GHG Emissions of the NTT Group

More than 90% of the NTT Group's CO_2 emissions are indirectly generated emissions produced through electricity usage. We are working to curb these CO_2 emissions by reducing electricity usage with the goal of raising power efficiency per data transmission in our telecommunications businesses by at least 10 times compared to fiscal 2013 levels. We are also seeking to reduce CO_2 emissions from company vehicles by introducing low-emissions vehicles such as hybrid and electric vehicles into our fleet.