

We have committed to work diligently towards achieving a decarbonized society, while still maintaining our highest ethical standards, and respect for all human rights.

NTT is taking bold action to help this future take shape:



## NATURE

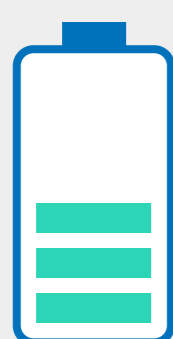
NTT is addressing global environmental issues and climate change by contributing to the goal of a net zero carbon society through more sustainable operations, education and creation of innovative, ground-breaking technologies.



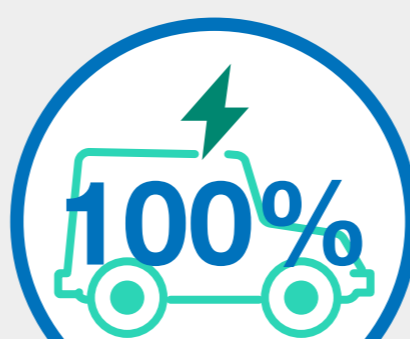
NTT will be **carbon neutral** by 2040

### 1 Promoting Energy Conservation

NTT will improve the energy efficiency of its operations and equipment while also converting its corporate fleet to electric vehicles (EV).



**2x**  
We aim to have **2x** the power efficiency by 2025 (compared to 2017)



By 2030, We plan to achieve a **ratio of 100%** for EV adoption in Japan



### 2 Reducing Power Consumption Through IOWN

Through the introduction of IOWN (Innovative Optical & Wireless Networks), NTT will reduce greenhouse gas emissions by producing a new ultra-low power network with photonic-based computing technologies.



**100x** more power efficiency



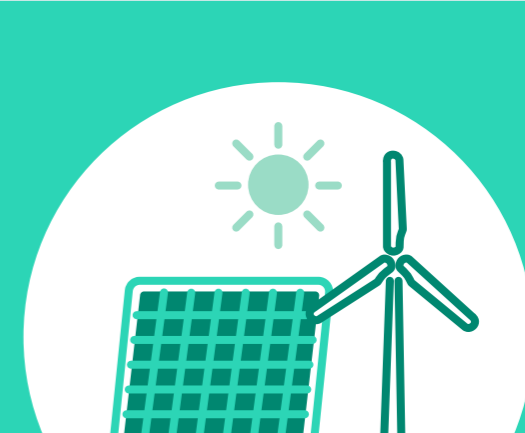
**125x** network capacity



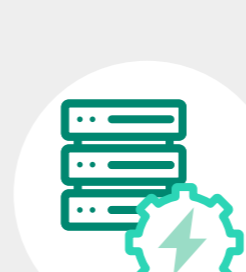
**200x** lower latency

### 3 Developing and Promoting Renewable Energy

Our key initiatives are to use more renewable energy and develop new energy sources that will reduce NTT's carbon footprint.



NTT will generate **half of its renewable energy** from its own facilities by 2030



NTT offers the **world's most energy efficient data centers** (with a PUE of <1.1)

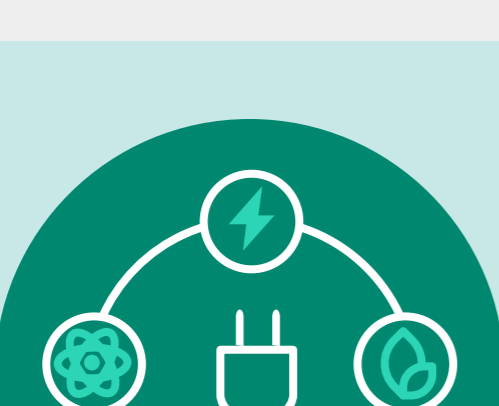


### 4 New Environmental Services

NTT is creating innovative next-generation services with the aim of making society carbon neutral and reducing the environmental impact of society on the planet.



**80%**  
By 2030 we will reduce GHG emissions by **80%** from 2013 levels

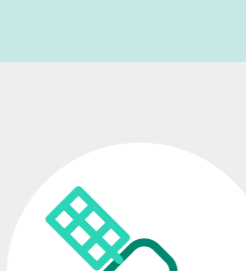


### 5 Next Generation Energy Technologies

NTT will develop next generation energy technologies that minimize damage to the global environment through creation of energy from:



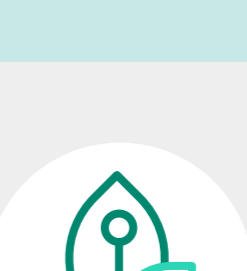
Nuclear fusion



Space-based solar power



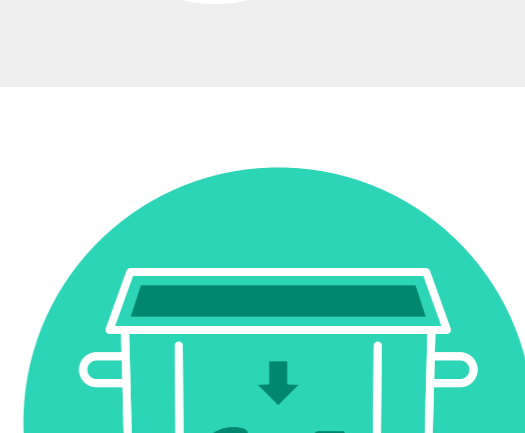
Lightning strikes



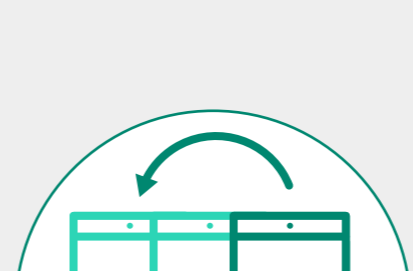
Artificial photosynthesis

### 6 The Three R's

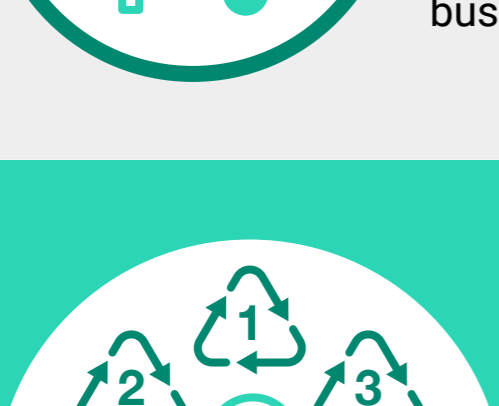
Increased focus on Reducing, Reusing and Recycling technology and other resource materials.



**99%**  
Recycling **99%** of all disposed waste produced by our business activities by 2030.



Since 2020 NTT Docomo has collected almost **120 million phones** – recovering valuable minerals and recycling the rest.

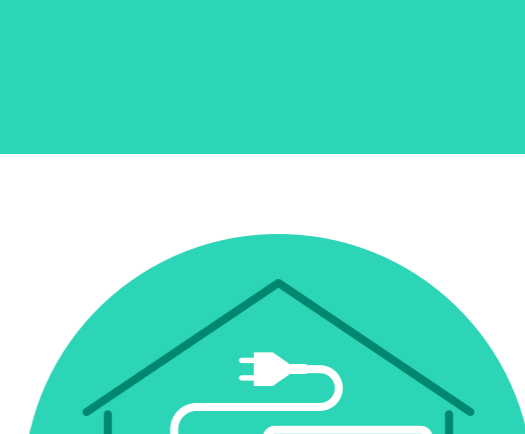


### 7 Reducing Use of Plastics

NTT is committed to reducing the use of plastics and promoting plastic recycling especially around telco equipment.

### 8 Managing Waste

We are committed to ensuring the proper storage, management, and disposal of hazardous waste.



Invested in a mobile recycling truck that creates fertilizer from food waste



### 9 Environmental Construction

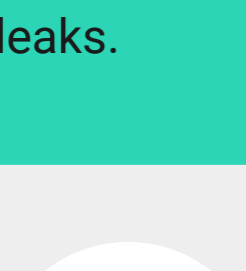
NTT adheres to its Green Design Guideline for Buildings when designing and constructing new data centers and company buildings.



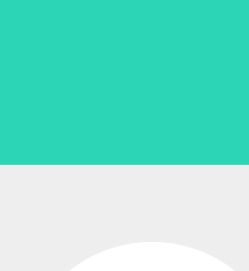
Following the highest level of global standards

### 10 Water Resource Management

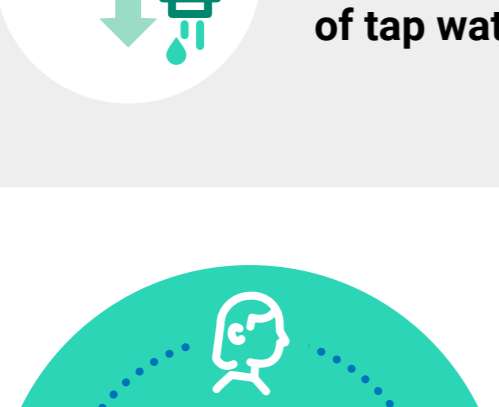
NTT will reduce tap water usage by using recycled wastewater and rainwater, while protecting water resources from chemical leaks.



Reducing consumption of tap water



Implementing measures against chemical leakage into wastewater.



### 11 Conservation and Preservation

By harnessing our ability to capture and process data we are taking actions that contribute to the preservation of the ecosystem and supporting the natural environment.



Implementing a website to share the data and information for conservation and preservation of nature and provided funding to organizations that contribute.