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Feature

Our focus

Making decarbonization a reality

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#### Editorial Policy

In recognition that our group plays a significant role as a generator of emissions, we at the Daito Group have made appropriate additions to the scope of our report on our environmental impact, based on the "Accounting, Reporting and Publishing Greenhouse Gas Emissions Manual, Ver. 4.6" (published in June 2020 by the Ministry of the Environment [MOE] of the Government of Japan) under the system for mandatory accounting, reporting and disclosure of greenhouse gas emissions, based on Japan's Global Warming Law.

We use actual figures as much as possible when reporting performance. However, where actual figures are not currently available, we use estimated figures based on sampling, or a combination of estimated and actual figures. From 2019 onward, in regard to coverage and types of data, the scope of data reported in this Environmental Report has been expanded to pertain to the Daito Group (Daito Trust Construction Co., Ltd. and its domestic and international consolidated subsidiaries).

#### Policy on Publication Media

We disclose information relating to the Group's environmental activities in this Environmental Report, and in the "Kankvo e no torikumi" ("Environmental initiatives") section of the Daito Group's Japanese-Janguage website. This report also includes detailed values and figures relating to past data on environmental activities covered in the Integrated Report.

In addition, Environmental, Social and Governance (ESG) information is disclosed in the Integrated Report. https://www.kentaku.co.jp/corporate/ir/report.html

#### Organizations Covered in This Report This report pertains to the Daito Group (Daito Trust Construction Co., Ltd. and its domestic and international consolidated subsidiaries).

#### Boundary

Daito Trust Construction Co., Ltd., Daito Construction Co., Ltd., Daito Steel Co., Ltd., Daito Kentaku Partners, Co., Ltd. (including House Leave, Co., Ltd., House Payment Co., Ltd., HOUSE GUARD SSI, Daito Energy Co., Ltd.), Daito Kentaku Leasing Co., Ltd., Housecom Co., Ltd. (including Ju-See Publishing), Gaspal Corporation, Care Partner Co., Ltd. Daito Corporate Service Co., Ltd., Umecare Co., Ltd., Sakura Care Co., Ltd., Daito Finance Co., Ltd., Daito Mirai Trust Co., Ltd., Daito Kentaku Health Insurance Association, Daito Asia Development Pte. Ltd., DAITO ASIA DEVELOPMENT (MALAYSIA) SDN. BHD LTD, DAITO ASIA DEVELOPMENT (MALAYSIA) II SDN\_BHD I TD\_Daito Asia Investment Pte Ltd. DTC Reinsurance Limited Daitokentaku USA With regard to greenhouse gas emissions, this report covers Scope 1, Scope 2 and Scope 3.

**Report Period** April 1, 2019 to March 31, 2020 **Guidelines Referenced** Environmental Reporting Guidelines 2018 published by the Ministry of the Environment (MOE), Japan

Publication Date September 2020

## Corporate Philosophy

# Contributing to society through extensive and effective use of limited land.

### **Our Promise (CSR Activities Policy)** To our owners:

- To our tenants:
- To our shareholders: To our business partners:
- relationships.
- To local communities:
- As employees:

# Based on our Corporate Philosophy and our Promise, and as part of our social responsibility, the Daito Group is committed to environmental management toward realizing a post-carbon society.

### Environmental Basic Policy

We are committed to the 3Rs (Reduce, Reuse, Recycle) and proactively working to conserve the global environment through all of our business activities. As a leading corporation in terms of land use, we will continue to offer excellent living environments with an emphasis on maintaining harmony with local communities and nature.

### **Environmental Action Guidelines**

(1) Legislation:	We conduct bus the environmen
(2) Education:	We continue to to take the lead
(3) Reducing resources:	We are committ service life of ou
(4) Reusing resources:	We are commit materials.
(5) Recycling resources:	We are commit recycling of reso
(6) Creation:	We offer people reducing enviro

- "Entrusted with land that was built on or land to build on," we constantly pursue value that lasts for generations.
- From housing search to providing support for comfortable living, we offer services that bring the highest level of satisfaction to tenants.
- We promise a stable shareholder return by realizing our business plan.
- We will build symbiotic partnerships by placing importance on local and human
- We will contribute to revitalizing local economies and communities by anticipating social changes.
- We will build a vibrant workplace environment where every employee is able to gain a sense of satisfaction through their challenges.

- usiness activities in compliance with laws and regulations relating to nt
- o run awareness-raising activities, and all of our employees continue d in promoting eco-friendly activities.
- tted to reducing our environmental impact by aiming to extend the our buildings and use fewer resources.
- tted to reducing our environmental impact through actively reusing
- tted to reducing our environmental impact through increased sources.
- le-friendly living environments and provide services that contribute to onmental impact.

As an environmental leader, we will contribute to building a sustainable society through our business activities.

# Our New Environmental Management Strategy Looks Ahead to 2050

In light of the Paris Agreement, which calls for the international community to eliminate CO<sub>2</sub> emissions in the second half of this century, the Daito Group is working hard to make carbon-free living a reality.

In fact, we have recently developed a new environmental management strategy that looks ahead to 2050. This is not only a part of our ongoing social responsibility, but also a chance to achieve long-term business growth. At the heart of this strategy is the "Daito 2050 Environmental Vision," which states our aim to contribute to the realization of a sustainable society through our business activities as an environmental leader.

The new environmental management strategy is a tangible outcome of our Environmental Vision that clearly identifies measures to achieve our strategies and targets. The strategy shines a light on, and reconsiders, how the Daito Group does business in the following six areas: construction, lifestyle, waste, business, nature and people.

For example, completely eliminating  $CO_2$  emissions from our residential buildings by 2050 is an aim that considers the lifestyle of residents at our rental properties. To that end, we plan to make even more zero-energy house (ZEH) rental properties available for sale by 2030. The Daito Group manages around 1.17 million rental homes in Japan—more than anyone else so we have the potential to significantly impact society's efforts to eliminate carbon.

## **Further Construction of Rental Housing Using Wood**

The utilization of wood is one of the more distinctive features of our environmental management. Since we started using wood in the construction of our rental housing in 1989, we have propelled the spread of rental housing constructed using the favorable qualities of wood. Constructing rental housing using wood produces less CO<sub>2</sub> than the more conventional method of steel construction, which benefits the environment. The wood we use in construction is subject to a set of guidelines that define standards for procurement, so that sustainable forest management is encouraged at sites of production. In addition to using two-by-fours in our construction work, which is the prevailing wood-based method of construction adopted by the Daito Group, we have also recently introduced cross-laminated timber (CLT) into our construction processes. CLT panels are made by gluing wooden boards in layers at right-angles to one another, so they offer the

We have established a New Environmental Management Strategy that looks forward to 2050, and will work toward realizing it.



environmental performance of wood while boasting excellent earthquake-resistance and workability. CLT is already widely used in Europe, where it is not unusual to come across wooden structures around ten stories high. After conducting extensive research into CLT-based construction to determine whether it is viable in an earthquake-prone country like Japan, we were able to launch Japan's first rental property built using CLT in October 2019. CLT makes it possible to construct mid-to-high-rise





# °CLIMATE GROUP EP100



buildings using wood. Through our use of CLT, we hope to encourage even more enterprises to make use of wood — and in particular, wood grown in Japan. These undertakings saw us honored with the FY2019 Environment Minister's Award for Global Warming Prevention Activity by the Japanese Government's Ministry of the Environment. The new environmental management strategy involves reducing our CO<sub>2</sub> emissions by minimizing construction work, shortening construction periods, optimizing transit, and utilizing long-life technologies, while improving our environmental-friendliness through such initiatives as promoting CLT sales.

#### Participating in the Planning of International Initiatives

The Daito Group actively participates in, and helps to plan, international initiatives to introduce environmental management standards on a global level.

In January 2019, our greenhouse-gas-reduction targets received approval from the Science Based Targets (SBT\*) initiative, meaning they were considered scientifically grounded for limiting global warming to below 2°C, the goal of the Paris Agreement. And in March 2020, our targets were verified 1.5°C-aligned.

We are also involved in initiatives to help us reach these targets. In January 2019, the Daito Group joined RE100, an initiative with the aim of sourcing 100% renewable energy to supply the electricity consumed in business activities. We have pledged to source 100% of the electricity used for our business activities from renewable sources by 2040, and to contribute to the promotion of renewable energy by increasing the use of solar power in our rental homes. We also joined the EP100\* initiative in August 2020 with the aim of doubling energy efficiency across the entire business. This has enabled us to develop our previous energy-saving efforts in a more structured manner, and solidify the ways in which we are progressing toward our goals.

We also value transparency concerning the nature and outcomes of environmental management. In late 2019, CDP, an organization that evaluates the disclosure of information concerning activities related to climate change, added Daito Trust Construction Co., Ltd. to its A List — the highest commendation that CDP has to offer.

# Facing the Risks and Opportunities Presented by a Climate Crisis

In June 2020, in light of the unexpectedly high occurrence rate of meteorological disasters, the Japanese Ministry of the Environment started describing climate change as a "climate crisis." The Daito Group takes a very serious view of meteorological disasters, which grow worse year by year. In the last few years, a large number of homes and rental properties managed by organizations throughout Japan have been damaged by flooding, demonstrating the risks of climate change.

We must do all we can to mitigate climate change, and take adaptive measures to minimize its impact. To this end, the Daito Group supports the recommendations of the Task Force on Climate-related Financial Disclosures (TCFD),\* and is using its framework to comprehend the risks and opportunities associated with climate change—from a short-, medium- and long-term perspective—to mount a comprehensive response.



Lease

management

(soft)

**Corporate activities** 

(production)

Rental housing

(hard)

accept packages even when they'n required to travel, thereby reducin and providing or introducing rideenvironmentally friendly lifestyle. We also need to ensure that peopl understanding of what we are tryi office branches and stores to make living in a Daito Group rental prop

## Becoming an Organization with a Responsibility for the Environment Through Lease Management

In our new five-year plan, which of 2024, the Daito Group set out our with the dreams and futures of ou environmental management, I be responsibility for the environment environmental models that apply areas of our business, as well as the promote and develop those mod We will take a nationwide commu offering unified, comprehensive of process, from design to construct to be in a position where we can a nationwide network that manage Through dialog with owners and we find new ways to contribute to company that is trusted to do so.

We base our environmental management on the outlook that we are an organization with a responsibility for the environment through lease management.

\*SBT: See p. 9 for details. \*RE100: See p. 9 for details. \*EP100: See p. 10 for details. \*TCFD: See p. 10 for details.

# Initiatives Based Around Lifestyle and People

Of the six business areas discussed in the new environmental management strategy, I think there is still much that needs to be done in the areas of lifestyle and people.

When it comes to lifestyle, we have always tried to reduce the environmental impact of our rental properties by focusing on "hard" aspects, such as improving the performance of the buildings and their adjoined facilities, or building new structures. Moving forward, we will focus on how people live their lives day-to-day, by offering support and services that encourage others to take actions that benefit the environment. For example, installing and

making use of a deliveries locker allows individuals to accept packages even when they're not home, which reduces the distance couriers are required to travel, thereby reducing  $CO_2$  emissions. Installing charge stations for electric cars, and providing or introducing ride-share services can encourage tenants to adopt a more environmentally friendly lifestyle.

We also need to ensure that people—in particular, our own employees—have a deeper understanding of what we are trying to do. We want the actions of people in each of our office branches and stores to make tenants and individuals across Japan more aware of how living in a Daito Group rental property can contribute to the environment.

In our new five-year plan, which covers the period up to and including the year ended March 2024, the Daito Group set out our vision to be a company that can continue to grow in line with the dreams and futures of our stakeholders. In light of this, if we are to succeed at environmental management, I believe we need to see ourselves as a company with a responsibility for the environment through lease management. We intend to develop environmental models that apply to the rental housing (hard) and lease management (soft) areas of our business, as well as the Group business activities that produce them, and promote and develop those models as a single integrated whole.

We will take a nationwide community-based approach to the development of our business, offering unified, comprehensive one-stop support for all stages of the rental-home business process, from design to construction, agency and management. We are extremely fortunate to be in a position where we can think about how to practice environmental management in a nationwide network that manages more rental properties than anybody else in Japan. Through dialog with owners and tenants, we will strive for deeper mutual understanding as we find new ways to contribute to the protection of the environment, and aim to become a company that is trusted to do so.

#### **Daito Group Business Overview**

Centered around our unique Lease Management Trust System, the Daito Group is engaged together with our group companies in our construction business, real estate business, and other sectors to provide owners with a stable rental housing business, and tenants with safe and reliable housing and convenient living.

In commitment to our brand message, "Life is Built on Trust," we are constantly pursuing new values enabling us to make a positive contribution to the global environment, local communities and the lifestyles of our tenants.

#### Main Business Indicators





**Company Overview** 

As of March 31, 2020

Head Office:
Established:
Capital Stock:
No. of Employees:

Corporation Name:

Daito Trust Construction Co., Ltd. 2-16-1 Konan, Minato-ku, Tokyo 108-8211 Japan June 20, 1974 ¥29.06 billion 15,754 (across Group)

Main Group Companies As of March 31, 2020

Construction Business Daito Construction Co., Ltd. Daito Steel Co., Ltd.

Other Businesses

#### Real Estate Business

Daito Kentaku Partners Co., Ltd. Daito Kentaku Leasing Co., Ltd. Housecom Co. Ltd.

Other business (Finance, etc.)

**Overseas Business** 

Energy Business

### Care and Nursery School Business Care Partner Co., Ltd; Sakura Care Co., Ltd.; Umecare Co., Ltd. Daito Asia Development Pte. Ltd. DAITO ASIA DEVELOPMENT (MALAYSIA) SDN. BHD LTD

Gaspal Corporation

DAITO ASIA DEVELOPMENT (MALAYSIA) II SDN. BHD LTD Daito Asia Investment Pte. Ltd. D.T.C. Reinsurance Limited; Daito Kentaku USA Daito Corporate Service Co., Ltd. Daito Finance Co., Ltd.; Daito Mirai Trust Co., Ltd Daito Kentaku Health Insurance Association





# Participation in Decarbonization Initiatives

SBT RE100 EP100 TCFD JCI

The decarbonization movement is spreading throughout the world. The Daito Group is continuing in our structured and committed efforts to set ambitious targets for decarbonization by participating in initiatives that support autonomous and innovative corporate activities.

## Setting Reduction Targets Based on Science

The "Special Report on Global Warming of 1.5°C" released by the Intergovernmental Panel on Climate Change (IPCC) in October 2019 warned that if global warming continues to advance at the current pace, the global average temperature could rise to 1.5°C greater than pre-industrial levels by 2030 at the earliest, and predicted an increased risk of natural disasters and ecological destruction. Aiming to limit global temperature increase to 1.5°C rather than the previous target of 2°C is expected to help mitigate many of the effects of climate change, including 10 million fewer people being affected by rising sea levels.

In light of predictions such as these, the international Science Based Targets (SBT) initiative encourages companies to set, and seek validation for, greenhouse gas reduction targets that are consistent with reduction scenarios backed by climate science.

The Daito Group received approval from the Science Based Targets (SBT) initiative for our greenhouse gas reduction targets, set in our Medium- to Long-term Environmental Targets, in January 2019. This means the targets were considered as being scientifically grounded for limiting global warming to below 2°C, which is the goal of the Paris Agreement. Following on from this, we then set new reduction targets in line with the updated SBT standard ("1.5°C Level," which aims for a 1.5°C reduction, well under the previous 2°C), and were recertified in March 2020. We will actively use renewable energy to achieve our certified greenhouse gas reduction targets, while at the same time continuing our efforts to determine and reduce greenhouse gas emissions resulting from our business activities—including procurement of raw materials, production processes, logistics and the supply chain—in aims of realizing a post-carbon society.

## Moving Toward 100% Renewable Energy

RE100 (Renewable Energy 100) is an international environmental initiative uniting businesses that have set themselves the target of sourcing 100% renewable energy to meet the energy requirements of their business activities.

The Daito Group joined RE100 with a view to ensuring 100% of the electricity consumed by our business activities will come from renewable sources by 2040.

Along with further promoting the use of renewable energy to reduce greenhouse gas emissions generated in the course of our own business activities, we are also contributing to the proliferation and promotion of renewable energy throughout society, which is the philosophy of RE100.



RIVING AMBITIOUS CORPORATE CLIMATE ACTION

#### SBT-Certified Greenhouse Gas Reduction Targ

CO2 emissions from energy used in business activities (Scope 1 and 2)

By 2030 (compared to FY2017)



⇒SBT certification: Recertified in March 2020

 $\mathsf{CO}_2$  emissions from use of the Group's multi-unit rental housing (Scope 3)

By 2030 (compared to FY2017)



⇒SBT certification: Certified in January 2019



#### RE100 Targets

Source 100% of electricity used for our business activities from renewable sources by 2040

Contribute to the increased use of renewable energy by increasing solar power generation equipment in rental housing

# Feature Making decarbonization a reality Our fecus

# Aiming to Improve Energy Efficiency

Energy Productivity 100 (EP100) is an international environmental initiative that promotes energy efficiency through energy conservation initiatives.

The Group joined EP100 in September 2020 with the goal of doubling energy efficiency (net sales/energy consumption) by 2030. Our EP100 commitments are positioned as an extension of the SBT greenhouse gas reduction and RE100 renewable energy promotion initiatives. By combining these three sets of initiatives together, we will contribute to realizing a post-carbon society.

# °CLIMATE GROUP **EP100**

Doubling our energy efficiency by 2030 (compared with FY2017)

TCFD

Targets

# Disclosing Information on the Impact of Climate Change

The Task Force on Climate-related Financial Disclosures (TCFD) was established in 2015 by the Financial Stability Board (FSB), which represents the central banks and financial regulation authorities of major nations. The TCFD makes recommendations to private sector companies regarding the disclosure of information on the impact of climate change on business. In May 2019, the Daito Group declared its support for the TCFD recommendations. Going forward, as well as striving to ascertain the risks and opportunities that climate change presents for our business, we will continue to disclose information in a transparent way through our Environmental Reports, Integrated Reports and other publications. (See pp. 16 and 17 for details on the content of disclosures)

# Expanding Cooperation in Japan

Born in Japan and spearheaded by companies, NGOs and other organizations taking proactive measures to combat climate change, the Japan Climate Initiative (JCI) has independently launched a raft of activities aimed at realizing a post-carbon society. The JCI declares that "the transition to a post-carbon society agreed under the Paris Agreement will generate new opportunities for growth and development." In September 2018, the Daito Group endorsed this sentiment and announced our participation in the initiative. We are now working harder than ever to combat climate change while sharing information with other participating organizations.

# JAPAN CLIMATE INITIATIVE



The Eco-First Program from Japan's Ministry of the Environment aims to produce companies that lead the way in environmental conservation. As a company treading new ground in land usage, the Daito Group will actively use this system to develop advanced, unique and industry-leading business activities that are also environmentally friendly.

# Going a Step Further

The Eco-First Program (launched in 2008) recognizes companies with innovative, original and influential environmental policies-tackling issues such as climate change, waste/recycling measures and biodiversity conservation—as "industry-leading environmental companies." In October 2020, the Daito Group's six Eco-First commitments achieved these criteria, and we became a certified Eco-First company expected to drive further improvements in environmental initiatives across the industry.

# 💶 Toward 100% Renewable Energy

# Shifting to Renewable Energy in Our Offices

From July 2020, 636 offices throughout Japan have started using renewable energy power (202 sites in the first fiscal year). The introduction of an effective renewable energy source combined with non-fossil certificates has resulted in a renewable energy consumption of 10,528 MWh. This is expected to equate to approximately 24.6% of the total power consumption of the Group. In the future, we will introduce electricity from renewable energy at our construction sites and other sites, in aims of using 100% renewable energy by FY2040.



# External Recognition

# Selected for the CDP Climate Change 2019 A-List

In January 2020, the Group was selected for the "Climate Change A List," the highest rating in the CDP Climate Change 2019 report from the CDP,\* an international environmental non-profit organization.

The CDP Climate Change report evaluates 500 Japanese companies (and more than 8,000 companies worldwide) on their disclosure of information about concrete initiatives for reducing greenhouse gas emissions and their strategies in response to climate change. In FY2019, 38 Japanese firms were selected as particularly outstanding companies worthy of the Climate Change A List.



\*CDP: Formerly known as the Carbon Disclosure Project, CDP is an international not-for-profit organization working with over 525 institutional investors with a total of US\$96 trillion in invested assets. It evaluates climate change-related efforts such as the reduction of greenhouse gas emissions and the related disclosure of information, for over 8,000 companies worldwide, including 500 companies in Japan.

# 100% Renewable Energy at ROOFLAG

The ROOFLAG Rental Housing Future Showroom, which opened in June 2020, is part of our commitment to achieving our RE100 goals. All the electricity used in the facility is renewable biomass energy generated by burning unused wood from forests, sawmill offcuts, and waste wood





# Feature Making decarbonization a reality Our focus

# 5 The Challenge of "Woodenizing" Cities Using

# **Cross-Laminated Timber Housing**

The CLT construction method, which uses wood for insulation and carbon storage, provides today's society with a new approach to decarbonization. The Daito Group has developed a unique CLT construction method while establishing a supply framework, and has started selling Japan's first CLT medium-rise multi-unit housing.

## CLT Expands the Potential of Wood

Cross-Laminated Timber (CLT) is a new type of wooden building material consisting of porous, high-insulation thick wooden panels that are oriented perpendicular to adjacent layers and then glued together. With its extremely low thermal conductivity, it is the perfect construction material for energy-saving housing. Its thermal insulation is so good that it can be used for the skeleton frame of a building's exterior walls with no other special thermal insulation required.

Conceptual image of CLT

External view of a CLT product (conceptual image)

CLT also enables the efficient use of timber that is too narrow or knotty to be suitable for use in conventional building materials, thus contributing to the healthy cycling of timber forests. In comparison to reinforced concrete structures, wood can help contribute to countering global warming, as wood stores carbon inside (carbon fixation), preventing it from getting into the atmosphere in the form of greenhouse gases. Even when demolished, buildings using CLT generate fewer greenhouse gas emissions compared with reinforced concrete structures. And because CLT from demolished buildings can be processed into woodchips to be recycled as fuel, we anticipate this will help to reduce environmental impact throughout the building's entire life cycle.

# Creating Wooden Medium-Rise Buildings

We are exploring the potential of CLT, establishing an original CLT construction method, and actively utilizing it in new buildings.

We have commercialized Japan's first CLT medium-rise multi-unit housing by developing a unique CLT construction method together with an integrated supply framework, which was launched for initial sale in some areas from October 2019. We were awarded the FY2019 Environment Minister's Award for Global Warming Prevention Activity (Technological Development and Commercialization Section) for our use of CLT—which was recognized as an advanced construction method that is a viable alternative to reinforced concrete construction with low greenhouse gas emissions—and for the widespread influence of its commercialization

In February 2020, the Group's efforts to promote CLT through commercialization of CLT multi-unit housing won the Environment Minister's Gold Award in the Corporate and Municipality section for the Decarbonization Challenge Cup 2020, hosted by the Decarbonization Challenge Cup Executive Committee.

In the future, the Group will combine environmental and social solutions with profit generation by actively selling and promoting CLT multi-unit housing, which will contribute to sustainable growth while helping to create a post-carbon society.





Decarbonization Challenge Cup 2020

# Assessing the Effects of Decarbonization

Cross-laminated timber, or CLT, is a wood product, so it absorbs carbon dioxide and stores carbon, whereas the manufacture of concrete produces a lot of carbon dioxide. Using cross-laminated timber as a building material helps significantly reduce the amount of concrete used in construction, contributing to decarbonization efforts. And the cyclical use of wood—from felling to construction, demolition, disposal, and afforestation—can encourage forest growth and effectively absorb more CO<sub>2</sub>.

Compared with other buildings built to the same scale using reinforced concrete, we envisage that CLT housing will reduce carbon emissions by around 274 t-CO<sub>2</sub> per building, which is roughly the same amount of CO<sub>2</sub> emitted by 61 households in a year. Moreover, the energy used in CLT production is 100% renewable, reducing the amount of carbon dioxide emitted during manufacture. And 100% of the wood used in CLT is grown in Japan, contributing to the promotion of Japanese forestry and regional development.



# Large-scale CLT construction at the ROOFLAG **Rental Housing Future Showroom**

The Group opened the ROOFLAG Rental Housing Future Showroom in Shinonome, Koto-ku, Tokyo, in June 2020. It functions as a facility to spread information on the latest research and initiatives around living and lifestyle in rental and CLT homes.

The building's defining characteristic is a large, triangular roof featuring a large frame constructed using CLT beams. Inside the facility there is a model building for the CLT multi-unit housing product "Forterb."

Life is Built on Trust.



# We clearly identify key issues and develop comprehensive yet focused initiatives to tackle them.

The Group views environmental initiatives as ways of increasing our corporate value, and sets our vision, strategy and goals based on them.

An environmental challenge that the Group considers particularly important is the

#### climate crisis (global warming).

We consider it important for three reasons:

- Global warming is progressing. (sharply rising greenhouse gas levels, rising average temperatures, extreme weather events)
- **2** The international community is taking increasing action against climate change. (Paris Agreement, SDGs)
- Industries and investors are stepping up their response to climate change.

We believe the climate crisis could bring a variety of risks and opportunities to our business, which it is important to respond to as a company (see pp. 16 and 17).

#### In June 2020, Japan's Ministry of the Environment revised its ninology for the expected rise in frequency and intensity of natural disasters such as flooding from "climate change"

# **Approach to increasing**

# corporate value

The integration of environmental management and growth strategies is essential for the long-term survival and growth of the Group in the future

We are able to solve environmental problems and generate profits while leveraging our company's strengths (management resources, expertise, etc.) New Environmental Management Strategy

a sustainable society through our business activities

## (2) Strategy

Construction

Lifestyle Waste Recycle all types of eliminate CO residential build

## (3) Measures

Reduce gree ote sales of 7FH Develop and introduce

Promote waste woo recycling (convert to renewable energy) methods that reduce Reduce plastic waste

(4) Targets

### Greenhouse gas reductions backed by climate science (SBT)

A new reduced target of 1.5°C by 2030 (compared to FY2017)

## Use 100% renewable energy for business activities (RE100)

We aim to source 100% of electricity used for our business activities from renewable sources by 2040

## Promote increased energy efficiency through energy conservation initiatives (EP100)

We aim to double our energy efficiency by 2030 (compared to FY2017)

to "climate crisis

Life is Built on Trust.

### (1) Vision

#### **DAITO 2050 Environmental Vision**

# As an environmental leader, we will contribute to the realization of

#### Business

emissions during ou business activities

#### Nature

Create a society that natural environn

#### People

100

Develop environmentally conscious people and an environmentally friendly organization

#### mote energy

ote recycling of wood Help protect forests and biodiversity in the region tically produced woo Make the supply chai

romote sales of woode

multi-unit rental housing

education for employees

Conduct environmental

We will continue our efforts to determine and reduce our greenhouse gas emissions in aims of realizing a post-carbon society

# Major Risks, Opportunities and Our Responses

In line with the TCFD's policies, the Group is committed to understanding the risks and opportunities that climate change could present to our construction and real estate businesses. We have evaluated the impact on the business over the short-, medium- and long-term in future climate change scenarios (the "less than 2°C scenario" and the "4°C scenario").

#### **Transitory Risks**

#### Policy/Legal

#### Increased Operating Costs If Carbon Tax Is Introduced (Scope 1 + 2)

We analyzed how an estimated taxation on greenhouse gas emissions resulting from our Group's business activities would impact on operating costs in the event that a carbon tax is introduced in the future. The impact is assumed to be minimal if reductions are implemented in line with SBT reduction targets (see p. 9).

<sup>nse</sup> We are continuing to work on reductions in line with our SBTs.

#### Increased Material Costs and Reduced Owner Demand If Carbon Tax Is Introduced

We analyzed how an estimated taxation on greenhouse gas emissions produced during the Group's procurement of raw materials (Scope 3, Category 1) would be passed on to products in the event that a carbon tax is introduced in the future. We also analyzed how operating (construction) costs would be impacted and the resulting impact on the cost of products if greenhouse gases produced by activities at construction sites were taxed. Based on this, we analyzed how the increased cost per building would impact on demand.

The impact is assumed to be minimal if reductions are implemented in line with SBT reduction targets (see p. 9).

We are actively transitioning to construction methods with low greenhouse gas emissions, such as developing and promoting the sale of CLT (see pp. 22 and 23). We are also working on reductions in line with our SBTs, and implementing renewable energy at construction sites in line with RE100 (see p. 9).

#### Impact of Carbon Price on Occupancy Rate

We analyzed the increase in the unit price of electricity, and the corresponding increase in the percentage of energy-saving housing and housing using renewable energy—and the decrease in the occupancy rate of non-energy-saving and non-renewable housing the event that a carbon tax is introduced in the future. (No quantitative assessment.)

We are working on improving the energy-saving performance of using (see pp. 22 and 23)

#### Technology

#### Increased Installation Costs for Electric Vehicle Charging Stations

We are analyzing the cost of installation and maintenance fees, assuming that electronic vehicle charging stations are installed at branches across the country, in the event that company cars used for business activities are replaced with electronic vehicles in the future

We are working toward the electrification of company-owned vehicles, having installed 7 charging stations at our branch offices in FY2019 and 11 more in 2020. We will continue to steadily switch to electronic vehicles and install more charging stations

#### Cost of Purchasing Renewable Energy

We analyzed the cost of continuing to purchase renewable energy in the future, in aims of achieving the RE100 target, based on our Group's solar power generation prospects, the purchase price of renewable energy, the cost of disposing of solar power equipment, and the cost of purchasing power conditioners.

We are increasing our ownership of renewable energy sources through solar power generation, in order to account for future fluctuations in the purchase price of renewable energy.

#### Markets

#### Impact of ZEH Market Expansion on Revenue

We analyzed the impact on sales of the expected decline in demand for non-ZEH housing, in the event that the shift to ZEH rental properties progresses in line with the country's ZEH roadmap in the future. Since the Group already owns ZEH technology, we expect there will be no impact.

Response We are working on developing and selling multi-unit rental housing that neets the ZEH standard (see p. 23).

Ratings

Loss of Trust from Stakeholders and Loss of Brand Strength Due to a Slow Response to Climate Change

The share of overseas investors in the Group is 49.34%, and given the current trend toward ESG investment, we analyzed the impact on capital and financing in the event of a slow response to climate change. (No quantitative accoccmont)

We are working on a variety of climate change countermeasures (see pp. 9 and 10), including efforts to improve our ESG rating.

#### Prerequisites

- The time periods are short-term (around 2023–2025), medium-term (early 2030s) and long-term (late 2040s)
- In line with the new five-year "Reiwa New Growth Plan" the business will expand until FY2023 and remain steady from then.

#### Scenarios Used

- Sustainable Development Scenario (SDS): Beating the 2°C target, with a 50% probability of keeping the average temperature rise of the Earth within 1.75°C.
- New Policies Scenario (NPS): Reflects recently announced government policies, effective policies and country-specific goals in line with the Paris Agreement.

#### Material Risks

#### Acute

#### Increased Storm/Flooding Damage During Construction

In light of increased flood and storm disasters in recent years, we are implementing construction plans that take such risks into

We analyzed the effect on cost of increased insurance premiums and damage during construction, in the event of an increased risk of flood and storm disasters due to climate change in the future

#### Increased Damage to Solar Power Equipment Due to Storms and Flooding

We analyzed the effect on cost of increased insurance premiums and damage to solar power generation equipment in the event of an increased risk of flood and storm disasters due to climate change in the future.

n light of increased flood and storm disasters in recent years, we

ing plans for solar power installation that take such

#### Reduced Demand Caused by Increased Ownership Costs Due to Storm and Flood Damage

We analyzed the increase to fire insurance premiums and per-building costs for the owner, and the resulting impact on demand, in the event of an increased risk of flood and storm disasters caused by climate change in the future.

# In light of increased flood and storm disasters in recent years, we are implementing sales plans that take such risks into account.

				Les	s Than 2°C So	cenario		4°C Scenario	0
Finan	cial Impact	of Climate Change Risks and Oppor	tunities (Unit: hundreds of millions of yen)	Short-term	Medium-term	Long-term	Short-term	Medium-term	Long-ter
		Increased operating costs if carbon tax is	Introduction of a carbon tax	-5.7	-9.1	-12.7	0.0	0.0	0.
	Policy/Legal	introduced (Scope 1 + 2)	Reduction in line with SBT initiative	2.5	6.2	12.7	0.0	0.0	0
	r oney/ zegai	Increased material costs and reduced	Decline in sales	-28.9	-45.8	-64.2	0.0	0.0	0.
≓		owner demand if carbon tax is introduced	Reduction in line with SBT initiative	1.4	5.2	19.3	0.0	0.0	0.
Transitory		Increased installation costs for electric vehicle cha	irging stations	-1.0	-1.6	-1.1	0.0	0.0	0.
tory		Cost of purchasing renewable energy	Renewable Energy Certificate purchasing costs	-0.9	-1.4	-0.7	0.0	0.0	0.
/ Risks	Technology		Reduced power certificate costs due to FIT	0.0	0.1	0.7	0.0	0.0	0.
			Disposal and purchase of panels and power conditioners	0.0	-9.5	-30.6	0.0	0.0	0.
			Profit from electricity sales	0.0	0.0	43.0	0.0	0.0	0.0
	Markets	Impact of ZEH market expansion on revenue	Decline in demand	-5,720.0	-8,800.0	-8,800.0	0.0	0.0	0.0
	Markets		Amount from ZEH initiatives	5,720.0	8,800.0	8,800.0	0.0	0.0	0.0
		Increased storm/flooding damage during constru	uction	0.0	-0.4	-1.2	0.0	-0.6	-1.8
Ma	Acute	Effect of storm and flood damages	Increased damage to solar power generation equipment	0.0	-0.3	-0.7	0.0	-0.4	-1.
Material	1		Reduced demand due to increased ownership costs	0.0	-7.6	-11.7	0.0	-10.8	-32.
		Effect of rising temperatures	Restrictions on working hours and consequent delays to comp	oletion 0.0	-2.1	-4.2	0.0	-4.7	-18.
Risks	Chronic	energine enperatures	Increased air conditioning costs	0.0	-6.8	-10.1	0.0	-15.1	-20.
		Effect of sharply rising wood prices	Increased construction costs	-0.4	-0.9	-2.2	-1.1	-2.2	-5.4

DAITO KENTAKU GROUP

#### Life is Built on Trust.

- Stated Policies Scenario (STEPS): Equivalent to NPS above. The name has been changed to emphasize that it reflects policies declared by various national governments, and is not an estimate from the International Energy Agency (IEA). Adopted from the IEA's "World Energy Outlook 2019" report, which provides an insight into supply and demand of energy, and technological developments.
- Current Policies Scenario (CPS): A scenario that reflects existing laws and regulations. Government statements and ambitious targets are excluded. Higher temperature rises than NPS and STEPS.
- Reference Technology Scenario (RTS): Baseline scenario that takes into account the existing energy and climate-related commitments of each country, including the Nationally Determined Contributions (NDCs) committed to under the Paris Agreement. Used in the IEA's "Energy Technology Perspectives."

#### Chronic

#### Restrictions on Working Hours Due to Rising Temperatures and Consequent Delays to Completion We analyzed the impact of an increased number of days required for construction per building, and the resulting increases to construction cost, in the event that construction working hours need to be limited in the summer months due to rising temperatures in the future.

Due to rising temperatures, we are implementing constru plans that place the highest priority on safety, such as res ing hours during the summer mo

#### Increased Air Conditioning Costs Due to Rising Temperatures

We analyzed how factors such as additional energy costs from stronger air conditioning would impact on costs, if necessitated by rising temperatures as a result of climate change ir the future

Due to rising temperatures, we are promoting the Cool Biz gn and encouraging working from home during the su

#### Increased Construction Costs Due to Sharply Rising Wood Prices

We analyzed the impact of decreased demand due to increased construction costs and product costs in the event that climate change makes wood more expensive to procure in the future.

We are diversifying our wood sources and responding to increased

# Medium- to Long-term Environmental Targets and Progress

Every year, using our Medium- to Long-term Environmental Targets as a base, we consider and implement concrete initiatives and action plans toward achieving them. At the same time, we also consider initiatives in line with the SDGs.

Going forward, we will continue to pursue initiatives toward attaining our environmental targets and resolving global social issues.

Scope 1: Emissions directly generated by businesses themselves (e.g. gasoline, gas) Scope 2: Indirect emissions resulting from the use of electricity, etc., supplied by other companies (e.g. power, steam, water) Scope 3: All indirect emissions other than those listed under Scope 1 and Scope 2, such as emissions generated by other companies in relation to our business activities (e.g. emissions resulting from material procurement, waste, construction, transportation, business travel, and commuting)

-	Sustainable Society	Related SDGs	Category	ltem	Daito Trust Medium- to Long-term Environmental Targe	ts	*Obtained SBT certification	FY2019 Performa			
			Greenhouse Gas Emissions	Reducing overall greenhouse gas emissions	Overall greenhouse gas emissions (Scope 1 + 2)	Total amount	55% reduction compared to FY2017 by FY2030*	13% reduction			
				Overall greenhouse gas emissions (Scope 3)	Total amount	16% reduction compared to FY2017 by FY2030*	20% reduction				
				Reducing electricity used in offices	Amount of electricity used in offices (kWh)	Total amount	Annual reduction of 4.2% compared to the previous year	7% reduction			
			Energy Consumption	Reducing electricity used on construction sites	Amount of electricity used on construction sites (kWh)	Total amount	Annual reduction of 4.2% compared to the previous year	34% reduction			
T	Low-carbon Society			Reducing the amount of gasoline and diesel fuel used	Amount of gasoline and diesel fuel used (L)	Total amount	Annual reduction of 4.2% compared to the previous year	8% reduction			
		13 R#2814 R#9053%		Promoting the introduction of energy-saving materials	Setting standards and options for energy-saving materials		Promotion	Promoted			
				Increase in percentage of buildings using energy-saving materials	Buildings with a BEI value (as of FY2016 standards [to be revised when standards are updated]) of 0.9 or less	Proportion of contracted buildings	100% by FY2030	67.8%			
				Use of low-carbon energy	Electrical power with a low CO <sub>2</sub> emissions coefficient		Proactive procurement	Underway			
							Renewable Energy	Use of renewable energy	Use of renewable energy in business activities		100% by 2040
								1% reduction			
			Industrial waste	Reducing industrial waste emissions	Industrial waste emissions (t)	Total amount	Annual reduction of 1.23% compared to the	-			
		<b>12</b> つくる責任 つかう責任	Industrial waste	neutenig industrial waste emissions	וותטגנופו שפגיב ביוווגאטיוס (נ)	Total amount	previous year	6% reduction			
	Recycling- oriented	CO						22% increase			
S								6.9% reduction			
	Society	13 3.H 2 BIC R(H) 4 J # 2		Reducing industrial waste emissions at new-build construction sites	Industrial waste emissions at new-build construction sites (t)	Per home	Annual reduction of 1.23% compared to the previous year	-			
			Industrial waste					-			
				Improving the industrial waste recycle rate	Industrial waste recycle rate		97% by FY2030	86%			

#### mance

#### FY2020 Environmental Targets

 4.2% reduction compared to FY2019
 1.23% reduction compared to FY2019
4.2% reduction compared to FY2019
 4.2% reduction compared to FY2019
 4.2% reduction compared to FY2019
 2 items added to standards set
2 options added to options set
 Keep percentage of buildings with BEI value of 0.9 or lower at 65% or higher
-
-
 1.23% reduction compared to FY2019
 Addition of 2 new sites to use for siding manufacturer Wide-Area Disposal System
 Reduced waste paper processing by 5% compared to FY2019
 Reduced waste metal processing by 5% compared to FY2019
 1.23% reduction compared to FY2019
 Adding 2 items for pre-cut materials
 Adding 3 items for resource-saving packaging materials
Achieving a recycle rate of 85% or higher

	Sustainable Society	Related SDGs	Category	ltem	Daito Trust Medium- to Long-term Environmental Targets		FY2019 Performance										
					Industrial waste management checksheet (manifest)	Appropriate application	Applied										
			Industrial Waste	Ensuring compliance with rules for industrial waste disposal	Monitoring methods used for proper disposal of industrial waste (industrial waste inspections)	Continuous implementation	Implemented										
					Status of disposal of waste at branches and other offices	Regular checks	Implemented										
		12 2588#		Reducing the amount of photocopy paper used	Amount of photocopy paper used (kg) Total amo	Annual reduction of 1.23% compared to the	13.8% reduction										
E	Recycling- oriented	00	Amount of Resources Used	Reducing the amount of water used in offices	Amount of water used in offices (m <sup>3</sup> )	Commit to reducing	Committed										
	Society			Reducing the amount of water used on construction sites	Amount of water used on construction sites $(m^3)$	Commit to reducing	Committed										
			Green Purchasing	Improving the purchasing rate for items eligible for green purchasing	Purchasing rate for items eligible for green purchasing (%)	26% increase compared to FY2013 by FY2030	-										
			Resource Productivity	Improving resource productivity	Resource productivity (net sales/total amount of materials used)	¥500,000/ton or higher by FY2030	19% reduction										
		<b>14 august</b>	Domestically Grown Wood	Raising the percentage of domestically grown wood used	Percentage of domestically grown wood used	4% by FY2020	7.9%										
		15 Rogeree 453	15 Rogares 195 Rogares	15 Rogares 953	<b>15 Rož</b> #46	<b>15 HOR</b> #64 953	<b>15 #08</b> #64	×	×	×	×	×	Biodiversity	Managing biodiversity conservation areas	Engage in managing biodiversity conservation areas on land owned	Appropriate management	Appropriately managed
6	Green Society								Implement surveys on conflict minerals	Surveys on conflict minerals in procured materials	Continuous implementation	Implemented					
		<b>•</b>	Supply Chain		Surveys on legality of procured materials (under the Clean Wood Act, etc.)	Continuous implementation	Implemented										
		16 平和之公正を すべての人に	зирру стант	Eliminate building materials containing hazardous chemicals	Eliminate building materials containing hazardous chemicals in procured materials	Continuous implementation	Implemented										
				Implement surveys on wastewater quality	Eliminate building materials containing hazardous chemicals in procured materials	Continuous implementation	Implemented										
		<u></u>	Environmental Education	Planning and implementing environmental education and nature conservation activities	Environmental education and nature conservation activities	Continuous planning and implementation	Implemented										
	Other		Environmental Laws and Regulations	Compliance with environmental laws and regulations	Compliance with environmental laws and regulations	Appropriate management	Appropriately managed										



The business activities of the Group align with the targets set in the SDGs. Those that particularly relate to the environment and their relevance to the SDGs are listed to the right.





 Providing highly durable housing Our Group Standards
 Primary energy consumption: Grade 5 Insulation performance, etc.: Grade 4
 Seismic rating: Grade 1

12 つくる責任 つかう責任 CO

Promoting waste recycling



• Reducing plastic waste



• Promoting initiatives for reducing greenhouse gas emissions

Setting SBTs

14 海の豊かさを 守ろう  $\approx$ 

• Reducing plastic waste Reducing water usage and the amount of wastewater produced



15 陸の豊かさも 守ろう Actively promoting the use of wood •~~~ • Promoting the use of domestically produced materials

• Initiatives for conserving biodiversity

e	FY2020 Environmental Targets
	-
	-
	1.23% reduction compared to FY2019
1	-
	2.1% increase compared to FY2019
	2.1% reduction in total amount of materials used compared to FY2018
	Achieving a rate of 3% or higher for use of domestically grown wood
	-
	-
	-



# **The Daito Group's Environmental Conservation Initiatives**

The Daito Group has formulated a new environmental management strategy (see p. 15) that looks forward to 2050. As a concrete part of the core Daito Environmental Vision, we are promoting initiatives in six areas: construction, lifestyle, waste, business, nature and people.

We will promote environmentally friendly construction practices and the reduction of greenhouse gas emissions.

### We are endeavoring to visualize greenhouse gas emissions across the entire lifecycle of a building.

The Daito Group has collaborated with the Prefectural University of Hiroshima's Kensuke Kobavashi Laboratory to conduct life-cycle assessments (LCA) of our buildings in order to quantify their environmental impact, and determine how effectively that impact has been reduced. We are conducting multifaceted research into the environmental impact of the entire building life cycle, from the procurement of raw materials to demolition, and using this research in product development. We are also driving cutting-edge efforts to develop life-cycle-carbon-minus (LCCM) housing. We are aiming to implement this from 2020.



well-ventilated house, do I use

less air conditioning?

We will continue to develop and implement construction methods that reduce environmental impact by minimizing construction work, shortening construction periods, and so on. We will also endeavor to reduce greenhouse gas emissions during construction by continuing to improve the lifespan of our materials and optimize transit.

gas is emitted when transporting

the wood used to build the

buildings?

Our new wooden CLT product, launched in FY2019, has significantly reduced the time required to construct the frame of a building compared to reinforced concrete materials. The amount of energy used during construction has also been significantly reduced, minimizing the impact on the environment. The Group has a large amount of data on the lifespan and replacement frequency of materials. Based on this data, we have developed and introduced unique materials with longer lifespans that are easier to replace, reducing the environmental impact associated with repairing and replacing materials. In addition, simplifying the packaging materials used when transporting materials has helped improve loading efficiency and reduced the number of shipments required. This reduces the amount of energy used during transportation and minimizes waste from packaging materials at construction sites

# We aim to decarbonize our construction sites through such means as the implementation of renewable energy.

We are also promoting initiatives to make use of renewable energy at construction sites. We have already installed solar panels at a number of our site offices. In the future, we are looking at other ways of introducing renewable energy sources at sites where installation of solar panels would be difficult, as a step toward our goal of using 100% renewable energy across the entire organization, as we continue to drive initiatives to decarbonize all our construction sites. By expanding these efforts to construction sites throughout Japan, we can expect a nationwide ripple effect through the industry, contributing to the realization of a post-carbon society.



produced when the building is

demolished? How many easily

recyclable materials are used?

A building being constructed using 100% renewable energy

# We will work to promote the development and sale of low-carbon multi-unit rental housing that utilizes our new wooden construction material "CLT."

In 2019, we developed our original CLT construction method and successfully commercialized CLT rental housing. As Japan's first successful commercialization of buildings constructed using a standardized and industrialized CLT-based process, this was a cutting-edge undertaking. CLT-based construction methods yield a significant reduction in greenhouse gas emissions at the time of construction when compared with using reinforced concrete, and the energy-saving effect on the buildings themselves is significant. It also promotes the forest cycle through responsible use of wood, which helps lead to a further reduction of greenhouse gas emissions. In addition, CLT allows us to reduce the amount of greenhouse gases emitted during demolition when compared with reinforced concrete, thereby reducing environmental impact across the entire life cycle. CLT also offers excellent resistance to seismic activity, making it suitable for construction of mid-to-high-rise buildings. In the future, we will look for ways to use CLT in even more types of buildings.

Our CLT panels are made in Japan using Japanese wood. By developing this method and spreading it across Japan, while pushing the use of Japanese wood, we will promote the forest cycle, stimulate forestry, and contribute to regional development in Japan.

# We will promote ways to reduce the household greenhouse gas emissions of our residents.

# We will work to reduce the greenhouse gas emissions produced during the daily lives of our tenants, and target a 16% reduction by 2030 (compared with 2017). (SBT 2°C level, Scope 3)

In November 2017, we completed the first multi-unit rental housing in Japan that meets the net zero-energy housing (ZEH) standards for detached housing. Since then, we have been actively promoting the construction of zero-energy multi-unit rental housing. 85% of the Daito Group's Scope-3 emissions were due to greenhouse gas emissions arising from Category 11: Use of sold products. This amount takes into account the household greenhouse gas emissions of Daito Group multi-unit rental housing residents across 35 years. As such, reducing the amount of greenhouse gases emitted by our residents is directly linked to reducing our Scope-3 emissions. Actively promoting the sale of ZEH, in which the primary energy required for living is virtually nothing, will help us to achieve this goal. By promoting the sale of ZEH, and developing and introducing energy-saving materials, we will promote efforts to reduce greenhouse gas emissions arising from the lifestyles of our residents.

# We are committed to increasing sales of ZEH, which reduce net energy from daily living to zero by generating and saving energy.

As mentioned above, we are actively exploring and promoting the sale of zero-energy housing, as it has a significant impact on efforts to reduce greenhouse gases. In 2018, we registered with ZEH Developer as a provider of multi-unit ZEH, in an effort to promote zero-energy rental properties. The Daito Group has been the largest housing provider in Japan for the last ten years. Converting our properties into ZEH would have a huge knock-on effect across the entire country, contributing significantly to the realization of a post-carbon society.

# We will develop and implement energy-saving materials that reduce everyday greenhouse gas emissions, thereby striking a balance between environmental consideration and comfortable living for residents.

To reduce the amount of greenhouse gases emissions arising from the lifestyles of our residents, we are doing more than just promoting the sale of ZEH; we are actively working alongside suppliers to develop and introduce unique energy-saving materials with a proven track record. As we consider our impact on the environment, it is also essential that we enable our residents to enjoy a comfortable lifestyle. We aim to provide living spaces that fulfill both of these aims.

standards for detached housing (Izu Shizuoka Prefecture)



Waste

#### Our aim is to recycle 100% of the waste wood generated during construction and demolition.

We are promoting our own initiatives to chip waste wood (wood debris) at our construction and demolition sites throughout Japan and have it recycled into materials that can be used in other construction projects. In the future, we will actively promote new initiatives such as the development of wood-based biomass power generation, and aim to recycle 100% of the waste wood generated across all our construction sites.

# We will develop and implement construction methods and technologies that minimize industrial waste produced at construction sites and during the manufacture of materials.

We are promoting efforts to reduce the amount of industrial waste produced at construction sites and during the manufacture of materials, while also developing and introducing new initiatives to further reduce the amount of waste generated in the future.

#### Pre-cutting wood used in construction

The two-by-four construction method, which is a key component of the Daito Group's construction work, is managed by head office from the design stage onward, allowing wood to be allocated with as little wastage as possible, and enabling affiliated panel-production sites throughout Japan to pre-size and pre-cut their panels wherever possible. In addition, we are currently developing the Eco Pre Cut construction method, an original construction method that is similar to

convertional wooden construction, but involves pre-cutting batches of wood at the production site and joining them with metal fittings at the construction site. This method has resulted in more efficient use of wood, and reduced the amount of waste wood produced at our construction sites. We will continue to incrementally increase the proportion of wooden components that are pre-cut, including substructure, in order to reduce the amount of waste wood produced at our construction sites throughout Japan.



#### Pre-cut indoor staircase

Most of the apartment buildings produced by the Daito Group are row houses that require a lot of internal staircases. In order to reduce labor times and industrial waste, we have introduced an original scheme that involves pre-cutting components in bulk at the site of production. This method has resulted in more efficient use of wood, and reduced the amount of waste wood produced at our construction sites. In future, we will continue to incrementally roll out this method of pre-cutting to stairwell components that aren't currently pre-cut, and in doing so, reduce the amount of waste wood produced at our construction sites throughout Japan.



Mock-up test using a pre-cut staircase

Sizing insulating materials to order

In the past, materials used for insulation in wall spaces and similar areas were usually cut to size on-site. We now have our insulation made to order by the manufacturer to a size that matches the specifications of the Daito Group's own two-by-four construction method. This eliminates the need for materials to be cut on-site, and reduces the amount of industrial waste generated. In the future, we will gradually have more materials sized to order, and work to reduce the amount of industrial waste produced at all sites throughout Japan.

#### Making pallets for imported materials out of cardboard

Materials imported from overseas, such as roof cladding, are loaded onto pallets and shipped in containers before being processed by customs, stored, transported and delivered. These pallets are usually processed on-site as waste wood. Changing these pallets to cardboard has enabled them to be reclaimed on-site and recycled as waste paper, thereby reducing the amount of industrial waste generated. In future, we are considering transitioning to pallets made of cardboard or other materials with a low industrial waste yield for materials sourced from within Japan, not just for imported materials. We will phase these pallets in gradually, to help reduce the amount of industrial waste generated at sites all across Japan.





A pallet made of cardboard

#### Pre-cutting external wall coverings (siding)

We are working in cooperation with a partner siding manufacturer to reduce wood loss rate by disclosing information about optimal wood allocation for siding throughout Japan, and started trialing a system of pre-cutting and delivering siding to construction sites using data measured on-site in August 2020. This trial will help identify issues and potential improvements before the method is deployed nationwide, after which it will help to increase the efficiency of our wood use and reduce wood waste at construction sites.

#### Using recycled chipboard as a substrate

We have developed and tested original recycled chipboard, made from recycled industrial waste such as lumber and wooden building materials from our construction sites, to be used as a substrate for walls, floors, and roofs. In the future, we will put these to practical use, reducing the creation of wood-based industrial waste at our sites.



Mock-up test usir

#### Using laminated Japanese cedar as studs

Ordinary Japanese cedar trees are not the perfect size for two-by-four column material (studs), so a lot of them produce offcuts that were discarded. In order to make the most of this waste wood, we employ "finger-joint materials" (long materials created by joining shorter materials and offcuts) which are bonded lengthwise. In the future, two-by-six materials will also be JAS-certified, further reducing waste material from wood processing.



# We will reduce and recycle plastic waste in order to mitigate its environmental impact.

We are working together with experts in the field of industrial-waste disposal to promote material, chemical and thermal recycling, in an effort to improve the recycle rate of plastic waste generated at construction and demolition sites throughout Japan. We are also considering introducing plastic alternatives for the likes of building and packaging materials, and promoting initiatives to reduce the amount of plastic that we use. The Daito Group manages 66,429 rental properties—more than anyone else in Japan—which means we carry out a significant amount of construction work each year across the country. I believe every little effort made at our sites will have a significant impact on promoting the 3R Policies (Reduce, Reuse and Recycle) for waste plastics across Japan.

# We will promote the reduction of greenhouse gas emissions in our business activities.

# We will take action to reduce greenhouse gas emissions across all of our business activities, in aims of reducing output to 55% of our FY2017 levels by 2030. (SBT 1.5°C standard, Scope 1 and 2)

Consumption of electricity and gasoline at business offices and construction sites accounts for the majority of the Daito Group's Scope 1 and 2 emissions.

We will promote initiatives to reduce greenhouse gas emissions in our business activities by saving energy, improving energy efficiency and introducing renewable energy sources.



chipboard

We received JAS certification for our finger-jointed Japanese cedar

#### Rethinking packaging for large materials

We are constantly reviewing the size of packaging materials for large-scale items (e.g. kitchen equipment, dressers with sinks, shoe racks, air conditioners) to optimize and minimize them in cooperation with each manufacturer. This allows us to reduce the amount of industrial waste from packaging materials at construction sites. We will continue to work on minimizing waste at construction sites by actively developing and implementing these unique initiatives.



Cardboard package covering has been minimized



### We will promote energy conservation and improved energy efficiency across all of our business activities.

We will actively promote energy conservation, and the improvement of energy efficiency, in an effort to reduce greenhouse gas emissions across all of our business activities. To reduce the consumption of electricity in our office buildings, we made a complete switch to LED lighting. We are also encouraging our employees to cut down their hours of overtime as part of our working-practice reforms, which has contributed to reducing the amount of electricity used in our offices.

At our construction sites, on top of promoting the use of energy-efficient machinery and vehicles, we are encouraging economical driving practices and asking workers to stop idling engines. We are proactively encouraging actions to reduce energy consumption in the temporary offices set up at our construction sites, such as taking acre to turn off lights whenever they are not needed, keeping air conditioning to a reasonable temperature, and switching off air compressors while workers are on breaks. We are promoting energy conservation and improved energy efficiency at the Shinagawa East One Tower building, which is owned by the Daito Group and serves as our head office. We are also promoting efforts to turn it into a net-zero energy building (NZEB), in Japan's first renovation of a large-scale building.

### Source 100% of the electricity consumed by business activities from renewable energy sources by 2040.

At present, the Daito Group has installed solar power equipment at approximately 15,000 of the 170,000 rental housing buildings that we manage throughout Japan. This generates approximately 180 GWh of electricity a year, which is equivalent to roughly four times the annual electricity consumption of the entire Daito Group. Once this energy is sold off under the Japanese Feed-In Tariff (FIT) system, we expect to be able to use this renewable energy ourselves to achieve our RE100 goals. And with the establishment of schemes that make effective use of our surplus power in regional areas of Japan, we will contribute to the promotion of renewable energy use all across Japan.

### We will promote the reduction of greenhouse gas emissions from automobiles used in our business activities.

In order to reduce the amount of greenhouse gases emitted by automobiles used in our business activities, we are promoting initiatives to track the travel distance and fuel consumption of each vehicle and promote ecological driving. And as a result of an initiative to streamline the number of vehicles deployed to each of our business branches, we now own fewer vehicles, and are able to use them more efficiently. We started rolling out electric vehicles to our business branches across Japan in 2019, and completed rollouts to seven different branches in August 2020. Electric vehicles reduce the impact on the environment, and also have the added benefit of providing an alternative source of power during emergencies. As we continue to roll out electric vehicles to our business branches across Japan, we will explore even more avenues for reducing the amount of greenhouse gases emitted by automobiles.

# We aim to work in harmony with the natural world.

## We will promote the sale of housing complexes built using wood, with the aim of promoting wood recycling.

We are helping to promote the forest renewal cycle by proactively using wood as the main construction material for our buildings, and spearheading initiatives to increase the construction of wooden buildings using both CLT and two-by-four construction methods. Wood-based construction should yield a lower output of greenhouse gases at both the production and construction phases than construction using reinforced concrete. And because responsible use of wood promotes a healthy forestry cycle, the utilization of reasonable amounts of wood plays an important role in the conservation of forests.

The Daito Group is Japan's largest provider of residential properties, with 53,497 properties recorded in our performance results for FY2019. 46,203 of these properties (around 86%) were constructed using wood. This makes us the largest construction and real estate company in Japan to use wood in our construction process. By taking advantage of this fact and promoting responsible use of wood, we contribute significantly to the conservation of forests.

## We work with local governments, NGOs and NPOs to help protect forests and biodiversity in the region.

As a company that makes use of the land, we are committed to the conservation and appropriate management of regional biodiversity as part of our social responsibility. We have created a unique "Biodiversity Initiatives Policy" to reduce the impact our business activities have on biodiversity, and are strengthening our framework for implementing it. We also work with local governments, NGOs and NPOs to promote understanding of forests, forestry and environmental conservation by running forest conservation activities for our employees.



## Promoting the use of domestically produced wood while stimulating forestry and regional revitalization.

We use domestically produced wood, such as cedar wood from Tohoku and Kyushu, in our building materials. In FY2019 we used a total of 8,773 t in products such as CLT rental housing, which was launched the same year. The "Japan Wood" mark which indicates that a product is made from domestically grown wood, was created independently by the Group and has now been widely adopted throughout the industry as a symbol to promote the use of domestic wood.



### We will strive to eliminate the destruction of forests caused by wood procurement, and work toward transparency in the supply chain.

We formulated our own unique Wood Procurement Guidelines with the aim of conserving biodiversity and using forest resources in a sustainable way. We also communicate and keep our business partners informed about these guidelines. These guidelines cover our basic approach to wood procurement, and our policy to source legitimate, sustainable wood and forest resources in favor of wood that could adversely affect biodiversity. We support forest conservation by purchasing all of our wood from lumber manufacturing companies who procure their raw materials from CAS-, ISOand FSC-certified forests.

We will continue monitoring the wood supply chain, and aim to eliminate the destruction of forests caused by wood procurement.

# We aim to develop environmentally conscious people and an environmentally friendly organization.

### In order to become an environmentally friendly organization, we will improve the environmental management framework for our employees and branch offices.

In order to become an environmentally friendly organization, we have built and conduct environmental management under our unique environmental management system (EMS) tailored to our business activities and based on ISO14001 and EcoAction 21. To increase the efficiency of our initiatives, we have established cross-functional specialist committees that include our group companies. These will drive ongoing improvement processes, helping us to understand the current situation and address issues.

## We will continue to carry out environmental education to raise the awareness of each and every employee.

Increasing the environmental awareness of each employee is critical to promoting environmental management as a company. To this end, we regularly organize environmentally focused hands-on activities for our employees and their families. As a company that uses wood, we are committed to improving our employees' awareness of forests, the forestry industry and environmental conservation by independently planning and implementing forest conservation activities and tree planting events.

Since 2014, we have also been running annual campaigns to encourage turning off the lights at our offices across the Group—referred to as "light-down campaigns"—which have proved successful in saving energy

In addition, we continue to spread awareness of the environment by regularly posting environmentally focused articles in corporate reports and other communications, as well as through internal broadcasts.

Light-Down Campaign 2020 Results



Nature



Forest conservation activities





# Our Unique Environmental Management System

The Daito Group has built and conducts environmental management under a unique environmental management system (EMS) tailored to our business activities and based on ISO14001 and EcoAction 21.

### **Organizational Structure for Promoting Environmental Management**

To make our environmental efforts even more efficient, we have established an Environmental Management Project Committee chaired by the Director of our Environmental Management Project, and have built an environmental management structure that includes our Group companies. In order to drive group-wide environmental efforts, the Committee holds regular plenary sessions with discussions aimed at understanding and resolving current issues.



## Continuous Improvement Process

The Environmental Management Project Committee has adopted the PDCA Cycle to help make our environmental efforts even more efficient.

We strive for continuous improvement by conducting an annual Group-wide internal environmental audit to review and improve our efforts.



# Supply Chain Scope

Based on the Japanese Ministry of the Environment's guidelines on supply chain emissions accounting, the scope of our supply chain covers Daito Trust Construction Co, Ltd. and Daito Group companies (see p. 7) and Scope-3 greenhouse gas emissions (see p. 35).

### Our Basic Approach to Procuring Materials

- eco-friendly materials
- will be possible
- compliance with laws, regulations and rules as well.

### **Eco-Friendly Procurement**

#### Eco-Friendly Supply Chain Management Policy

- 1. When deciding whether to use a supplier, we comprehensively consider quality, delivery times, price and transaction terms. If the Group deems these to be suitable, we ask to work with the supplier. We also procure eco-friendly materials.
- 2. We carry out advance checks regarding the environmental management of our business partners and their compliance with laws and regulations.
- 3. We explain the Group's Environmental Basic Policy and Environmental Action Guidelines to our business partners, and ask them to do business in an environmentally friendly way.

#### Our Basic Approach to Green Purchasing

We keep in mind the impact our business activities have on the environment. In order to reduce our environmental footprint, we give preference to environmentally friendly goods, and those supplied by companies striving to practice environmental management, when purchasing items such as office supplies or procuring construction supplies, machinery, energy, etc.

#### Wood Procurement Policy

We indirectly support forest conservation by purchasing from lumber manufacturing companies who procure their raw materials from CAS-, ISO- and FSC-certified forests. We are also working to strengthen traceability by establishing a Wood Procurement Policy (see p. 27).

1. There are no restrictions on selecting business partners. We procure materials irrespective of whether the business partners are located in Japan or overseas, and are proactively looking out for new business partners.

2. When deciding whether to use a supplier, we comprehensively consider guality, delivery times, price and transaction terms. If we deem these to be suitable, we ask to work with the supplier. We also procure

3. We aim to create a system that enables us to build good relationships with our business partners, based on mutual trust, growth and development. When starting a new business relationship, we inquire about the partner business's management policy, financial status, etc., to confirm that stable and continuous trading

4. We give top priority to ethical conduct and comply with laws, regulations and rules at all times. We also practice strict and scrupulous control of any information related to business partners and dealings that is obtained in the course of doing business together. Likewise, we ask our business partners to ensure strict

5. Trading between Group companies is carried out on equal footing, impartially and transparently, at market prices. The same stance applies in cases where Group companies have conflicting business interests.

6. We enforce strict controls in accordance with laws and regulations, and strive to prevent leaks of any confidential information, such as information acquired in the course of doing business, trade secrets, etc.

### Our Compliance with **Environmental Regulations**

April 1, 2019 to March 31, 2020

### Methods and results for checking we are complying with important legislation strongly relevant to our business activities

Based on the Japanese government's checklist for compliance with environmental legislation, our Environmental Management Project Committee (see p. 28) carries out checks, whenever necessary, on the Worksite Construction Group, the Technology Development Group and the Workplace Environment Group. We also implement an annual internal audit to simultaneously check compliance across the Group. Our FY2019 compliance checks revealed the need for amendments regarding compliance with environmental legislation, which were subsequently implemented in March 2020. The checks revealed that the Daito Group committed no legislation-related violations, and was not subject to administrative guidance or administrative sanctions.

#### Breaches of important regulations

Impact on the environment resulting from violations of environmental regulations: None

Amount of penal fines, non-penal fines, etc., relating to environmental regulations: ¥0; Number of incidents: 0

**Environmental lawsuits** Number of environmental lawsuits: 0

### Details of any environmentally related grievances or requests from stakeholders, and number of incidents

Number of environment-related complaints: 3

Note: Regarding vibration and noise at construction sites, waste management, etc. (did not result in lawsuits, administrative guidance or administrative sanctions)

# FY2019 Material Balance (environmental impact of business activities)

Greenhouse gas (CO<sub>2</sub>) emissions across the entire supply chain

33.552 t-CO2e

Gasoline, diesel fuel, kerosene, city gas, liquid petroleum gas	Uses actual values.	
Steam, cold water	Uses estimated values calculated based on area measurements.	FY2019
Electricity	For offices: uses actual values. For construction sites: uses actual values, and estimated values based on costs.	Greenhouse gases Total emissions
Water	For offices: uses actual values, and estimated values based on number of people. For construction sites: uses actual values, and estimated values based on costs.	
Waste	Uses actual values, and estimated values based on costs and number of people.	
		Scope 1

e gas emissions for each item are calculated based on the "Accounting, Reporting and Publishing Greenhouse Gas Emissions Manual, Ver. 4.6" under the system for mandatory accounting, reporting and disclosure of greenhouse gas emissions, based on Japan's Global Warming Law and "Basic Guidelines on Accounting for Greenhouse Gas Emissions Throughout the Supply Chain Ver. 2.3," by The Government of Japan's Ministry of the Environment (MOE) and Ministry of Economy, Trade and Industry (METI).

\*\*: Subject to third-party assurance.

\*Due to numbers being rounded up/down, total amounts appearing in graphs and tables may not correspond exactly to the actual totals of the figures show

Input Water Resources (materials) consumed Electricity Fossil fuels Thermal energy **± 12,195** kl Gasoline **★ 403** kl **39.13** Diesel fuel **±10,895** GJ **\*0.66** Steam **1** million tons ★ 33 kl Kerosene million m million kWh Cold water **±13,585** GJ City gas  $\star$  **0.49** million m<sup>3</sup> ★ 0.36 million m<sup>3</sup> LPG Input Our group business activities **Construction Business Real Estate Business** Other businesses **Business Proposal Tenant Recruitment** Energy/Gas ⇒ Design and Construction ⇒ Management and Operation **Overseas/Other (Finance, etc.)** Output Output Greenhouse gases Industrial Waste Wastewater General waste Scope 1 + 0.73 million tons Emissions ★33,552 t-CO2e • 0.002 million tons Final disposal amount  $\star 0.11$  million tons **0.66** million m<sup>3</sup> Scope 2 Asbestos **★21,691** t-CO2e + 0.007 million tons from demolitions







# Resources/Energy Usage

This page contains the data from the last five years of resource and energy usage by Daito Group. The scope of this data is the Daito Group (Daito Trust Construction Co., Ltd. and its domestic and international consolidated subsidiaries).

As totalization of the total water usage for the domestic consolidated subsidiaries only began in FY2018, this report only shows Daito Trust Construction Co., Ltd. in order to make the change easy to understand. In order to produce more accurate figures, the way the actual values (some values are estimates) are calculated for energy and water use at construction sites changed in FY2017. Therefore, these values are significantly lower than FY2016. In addition, all calculations since FY2019 use actual figures rather than estimates, resulting in more accurate results and decreased values.

The amount of electricity used decreased thanks to energy-saving initiatives in construction sites and offices, despite an increase in the

number of sites across the Group. The amount of gasoline used decreased due to the promotion of economical driving practices and deployment of fuel-efficient vehicles.

Total resource usage decreased due to an increased number of buildings being built using a less resource-intensive wood construction, rather than using steel or reinforced concrete, coupled with a decrease in the number of completed buildings. Going forward, we will continue to develop construction methods that use a low amount of resources and have a low environmental impact.

The amount of recyclable resources used is calculated with the amount of recycled material used in construction materials for new construction work included. In FY2018, we reconfirmed and rechecked the definition of green purchasing of new building materials, which led to a significant reduction.

#### Total Energy Usage (by Type)



#### Amount of Electricity Used



Reason for reduction in FY2017: Change in how the amount of electricity used in construction sites is calculated.

#### Amount of Electricity Used by Site



Reason for reduction in FY2017: Change in how the amount of electricity used in construction sites is calculated.

#### Amount of Gasoline Used



Usage (kL) • Net sales intensity ratio (kL/Net sales [hundreds of millions of yen])

#### (Non-consolidated) Total Water Usage (Tap Water & Recycled Water)



Note: Totalization of the Group's consolidated water usage began in FY2018, so this graph shows the values for Daito Trust Construction Co., Ltd. only.

For the Group's consolidated total water usage from FY2019, please see "Water Usage by Site." Reason for reduction in FY2017: Change in how the amount of water used in construction sites is calculated

#### Amount of Photocopy Paper Used



#### Resource Usage by Category

Usage (t)	FY2015	FY2016	FY2017	FY2018	FY2019
Iron	79,136	57,947	50,360	46,691	37,995
Aluminum	32,265	29,561	32,906	43,102	30,252
Plastic	2,376	2,232	2,154	2,010	1,724
Glass	1,310	1,201	1,150	1,075	917
Glass wool	4,273	4,358	4,224	3,953	3,589
Mineral wool	0	0	0	0	0
Wood	139,350	138,661	134,546	125,712	111,801
Plasterboard	65,013	65,473	63,521	59,990	53,849
Exterior siding	30,526	30,868	29,988	28,508	25,602
Concrete	1,079,031	905,350	860,721	796,853	633,423
AAC	12,853	12,484	12,071	11,844	10,418
Crushed stone	123,515	113,278	109,386	103,964	87,413
Total	1,569,648	1,361,414	1,301,026	1,223,702	

#### Water Usage by Site



#### **Total Resource Usage**



#### Amount of recyclable resources used



Reason for reduction in FY2018: Due to reconfirming and reviewing the definition of green purchasing of new building materials.

# Emissions Harmful to the Environment

These pages show the data related to the Daito Group's environmentally harmful emissions over the past 5 years. The scope of this data is the Daito Group (Daito Trust Construction Co., Ltd. and its domestic and international consolidated subsidiaries). As totalization of the total volume of wastewater for the domestic consolidated subsidiaries began in FY2018, this report only shows Daito Trust Construction Co., Ltd. in order to make the change easy to understand.

A large proportion of greenhouse gas emissions arose from Scope 3, Category 11: "Use of sold products," which accounted for over 80%. This figure is the result of calculating the estimated volume of greenhouse gas emissions produced by the primary resource consumption of tenants living for at least 35 years in multi-unit rental housing sold by

## Daito Trust Construction Co., Ltd. The total for FY2018 also reflects the emissions reduction due to net zero-energy houses (ZEH) sold (see p. 23). The Daito Group will continue to work toward reducing greenhouse gas emissions by promoting sales of ZEH and developing energy-saving materials that will contribute to reducing energy consumed during tenants' daily lives.Industrial waste emissions were reduced through initiatives such as encouraging the use of pre-cut materials and reducing packaging at new-build construction sites, and converting scrap materials into useful materials.

The percentage of industrial waste recycled increased as a result of recycling initiatives, etc., at construction sites. Going forward, we will take a multi-pronged approach aimed at further increasing this percentage.

#### Proportion of Greenhouse Gas Emissions by Source (Scope 1, 2)



#### Greenhouse Gas Emissions (Scope 1, 2, 3)



#### Greenhouse Gas Emissions (Scope 1, 2, 3)

Scope 1 + 2 + 3 Emissions (t-CO2e)	5,713,587	5,169,472	4,982,031	4,692,913	3,980,786
Scope 3 Emissions (t-CO2e)	5,642,749	5,100,868	4,918,522	4,631,490	3,925,542
Scope 2 Emissions (t-CO2e)	32,740	31,366	28,341	25,331	★21,691
Scope 1 Emissions (t-CO2e)	38,097	37,238	35,169	36,091	★33,552
	FY2015	FY2016	FY2017	FY2018	FY2019

#### Greenhouse Gas Emissions due to Electricity (Scope 2)



Greenhouse Gas Emissions (Scope 1, 2, 3)



#### Greenhouse Gas Emissions by Type (Seven Substances) (Scope 1)

Carbon dioxide (CO <sub>2</sub> )	★32,871 t-CO2e
Methane (CH4)	★599 t-CO2e
Nitrous oxide (N2O)	★82 t-CO2e
Hydrofluorocarbons (HFCs)	0 t-CO <sub>2</sub> e
Perfluorocarbons (PFCs)	0 t-CO2e
Sulfur hexafluoride (SF6)	0 t-CO <sub>2</sub> e
Nitrogen trifluoride (NF3)	0 t-CO <sub>2</sub> e
	33,552 t-CO2e

#### (Non-consolidated) Total Wastewater Volume



Note: Totalization of the Group's consolidated total volume of wastewater began in FY2018, so this graph shows the values for Daito Trust Construction Co., Ltd. only. For the Group's consolidated total volume of wastewater from FY2019, please see "Wastewater Volume by Site."



#### Greenhouse Gas Emissions due to Gasoline (Scope 1)

#### Greenhouse Gas Emissions by Category (Scope 3)

	missions /t CO-o)	As percentage of total
1. Purchased goods & services	★369,481	9%
2. Capital goods	28	0%
3. Fuel- and energy-related activities not included in Scope 1	or 2 3,026	0%
4. Upstream transportation & distribution	7,871	0%
5. Waste generated in operations	★25,788	1%
6. Business travel	★3,802	0%
7. Employee commuting	3,420	0%
8. Upstream leased assets	104,520	3%
9. Downstream transportation & distribution	153	0%
10. Processing of sold products	0	0%
11. Use of sold products	★3,400,883	87%
12. End of life treatment of sold products	0	0%
13. Downstream leased assets (Shared with E1 or all those not held by the Daite	o Group) 6,566	0%
14. Franchises	5	0%
15. Investments	0	0%
Total	3,925,542	—

#### Wastewater Volume by Site



#### (Non-consolidated) Total emissions and net sales intensity ratio for industrial waste



(Non-consolidated) Recycled amount and recycle rate for industrial waste



#### (Consolidated) Total emissions, recycled amount, final disposal amount and recycle rate for industrial waste and general waste (by category)

	★ Total emissions (unit: thousand tons)	<ul> <li>Recycled amount (unit: thousand tons)</li> </ul>	<ul> <li>Final disposal amount (unit: thousand tons)</li> </ul>	Recycle rate
Construction sludge	21	21	0	100%
Waste alkalis	0	0	0	97%
Plastic waste	81	54	27	67%
Paper waste	16	15	1	95%
Waste wood	145	141	4	97%
Waste textiles	1	1	0	85%
Waste drywall boards	24	21	3	87%
Waste metal	27	27	1	98%
Glass and ceramic waste (including concrete)	42	18	23	44%
Rubble (asphalt concrete, concrete and others)	364	324	40	89%
Asbestos-containing material (glass, ceramic and others)	7	0	7	0%
Other	1	0	1	34%
General waste	2	1	1	37%
Total	731	623	108	85%

# Improving the Reliability of the Environmental Report

To ensure the reliability of quantitative environmental information from FY2019 published in this report and marked with a ★ symbol, the Daito Kentaku Group Environmental Report 2020 has undergone third-party assurance provided by Deloitte Tohmatsu Sustainability Co., Ltd.



(TRANSLATION)

Mr. Katsuma Kobayashi, President and Representative Director, Daito Trust Construction Co., Ltd.

The Company's Responsibility

#### Our Independence and Ouality Control

ethical requirements, professional standards and applicable legal and regulatory requirements.

#### Our Responsibility

#### assurance engagement. Limited Assurance Conclusion

Based on the procedures we have performed and the evidence we have obtained, nothing has come to our attention that causes us to believe that the Quantitative Environmental Information is not prepared, in all material respects, in accordance with the calculation and reporting standard adopted by the Company.

the Japanese language.

