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# ESG Model Store

## ESG Flagship Store: Grand Opening of Main Building of Daimaru Shinsaibashi Store

Daimaru Matsuzakaya Department Stores strives to create eco-friendly stores to “realize a sustainable society.” And the main building of the Daimaru Shinsaibashi store was rebuilt and made its grand opening as an ESG flagship store. The Daimaru Shinsaibashi store will implement various initiatives taking full advantage of the new main building.

### 100% use of renewable energy

The main building of the Daimaru Shinsaibashi store uses renewable energy for all power needs. As a result, it achieved zero GHG emissions from electricity use for lighting, air conditioning, and equipments. Accordingly, the new main building is expected to reduce GHG emissions by approximately 7,000 t-CO<sub>2</sub> compared to the former main building in fiscal year 2015\*. At the same time as the grand opening of the main building, the south wing also transitioned to renewable electricity. Accordingly, it is expected to reduce GHG emissions by approximately 1,800 t-CO<sub>2</sub> compared to the base fiscal year 2017. In addition, the north wing, which is closed for renovation, is planned to make the transition to renewable electricity. And it is expected to reduce GHG emissions by approximately 9,200 t-CO<sub>2</sub> compared to fiscal year 2017.

Going forward, we will adopt 100% renewable energy

initiatives in all stores of Daimaru Matsuzakaya Department Stores to increase the share of renewable energy.

\* The building structure is not the same because the main building was rebuilt.

### Energy saving initiatives and transition of the company fleet to EVs

LED lighting is used throughout the main building of the Daimaru Shinsaibashi store including the back stockrooms. The 100% use of LED lighting is expected to reduce energy consumption to one-fifth compared to the fluorescent lighting used previously. We think transition to LED lighting is one of important initiatives in terms of short-term GHG emissions reduction and long-term energy saving.

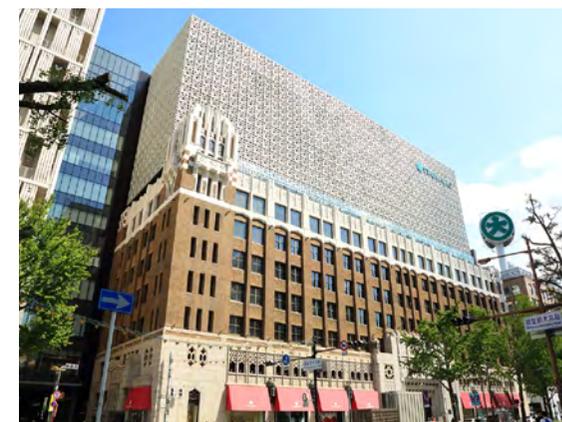
70 company vehicles of the Out-of-Store Sales Division, which are managed by the Daimaru Shinsaibashi store, were replaced with EVs. This transition is expected to reduce GHG emissions by approximately 190 t-CO<sub>2</sub> compared to fiscal year 2017, which is the base year. Renewable electricity is also used to charge EVs.

### Other initiatives to contribute to a low-carbon society

Other initiatives include efficient delivery operations

through the central management of product distribution in the building and the use of green packaging materials. We actively green the terrace on the 7th floor (approximately 110 m<sup>2</sup>), which was created when the building was rebuilt, and the rooftop space (approximately 900 m<sup>2</sup>).

Originally designed eco bags of the Daimaru Shinsaibashi store were sold for charity for a limited time to celebrate the grand opening. Mr. Jason Brooks, an artist who illustrates for world-famous fashion magazines, drew a picture of the new Daimaru Shinsaibashi store on the eco bag. The Daimaru Shinsaibashi store donated a portion of the proceeds from its sale to the “Naniwa Art Support Fund” in December 2019.



Main building of Daimaru Shinsaibashi store

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## Sustainable Urban Commercial Complex: New Shibuya Parco

Shibuya Parco, which was rebuilt and opened in November 2019, aims to be a sustainable global shopping complex by “enlivening the surrounding area,” “reducing the environmental burden,” and “collaborating with a diversity of corporations and individuals.”

Shibuya Parco was selected as a “Leading Sustainable Building Project (CO<sub>2</sub> Reduction Leader)” by the Ministry of Land, Infrastructure, Transport and Tourism in recognition of the following three points as a leading CO<sub>2</sub> reduction project in an urban commercial complex.

### CO<sub>2</sub> reduction in outdoor space (elevated green walkway)

Shibuya Parco aims to ensure that customers walk around and stay in the facility while encouraging customers to take CO<sub>2</sub> reduction actions by creating high quality outdoor spaces (an elevated green walkway and outdoor plazas) though it is a commercial complex located in central Tokyo.

### Establishment of highly efficient energy system

As well as creating an elevated green walkway to reduce the burden on the environment, we built a highly efficient energy system such as a co-generation system\*1 to maximize CO<sub>2</sub> reduction.

Exhaust heat from the medium pressure co-generation system is used as a heat source. And it is also used to air condition and heat Theater until nothing is left. We will contribute to realizing smart energy management and reducing CO<sub>2</sub> emissions using various data and through remote management by an energy service provider and simulation of the operation of mixed heat source.

### CO<sub>2</sub> reduction information hub\*2

We created a new digital communication system tailored to the characteristics of commercial complex with the digital native generation as its main customers and mixed tenants. It will serve as an information hub on CO<sub>2</sub> reduction and health promotion proposal by linking it to the energy management system using the infrastructure of promotion-related ICT communication tool. In addition, it became possible to be used for disaster evacuation guidance and continue effective and long-term CO<sub>2</sub> reduction activities by establishing a CO<sub>2</sub> reduction promotion system through cooperation between tenants, the developer, and the energy service provider.

New Shibuya Parco realized a CO<sub>2</sub> reduction complex building whose operating efficiency was improved by “visualization” using the energy management system. As Parco’s ESG model store, it will expand this achievement into other stores.

\*1 Collective term for the systems that generate and supply electricity and heat from a heat source

\*2 Collecting, processing, and analyzing information using computers and the internet for dispersed use of energy



Eco-friendly next generation building Shibuya Parco