

# Seven & i's Challenge

**-Road to Carbon Neutrality**

**-Open innovation through co-creation with our suppliers-**



GREEN  
CHALLENGE  
2050 私たちの挑戦で、  
未来を変えよう。

- Stepping Up for a Better World -

- ① **Group Overview and Priority Issues**
- ② **GREEN CHALLENGE 2050 Initiatives**
- ③ **Initiatives to Realize a Decarbonized Society**



# Seven & i Group Overview (1)



## Seven & i Group (February 28, 2022)

- Group total sales      **¥ 14.244 trillion**
- Operating income      **¥ 387.6 billion**
- Number of stores      approx. **22,700 stores (Japan)**
- Number of customer      approx. **22.0 million people/Day**  
store-visits per day      **(Japan)**

### Domestic・Overseas Convenience Store Operations

- SEVEN-ELEVEN JAPAN
- 7-Eleven, Inc.



### Supermarket Operations

- Ito-Yokado
- York-Benimaru
- York
- SHELL GARDEN



### Department Store Operations

- Sogo & Seibu



### Financial Services

- Seven Bank
- Seven Financial Service
- Seven Card Service

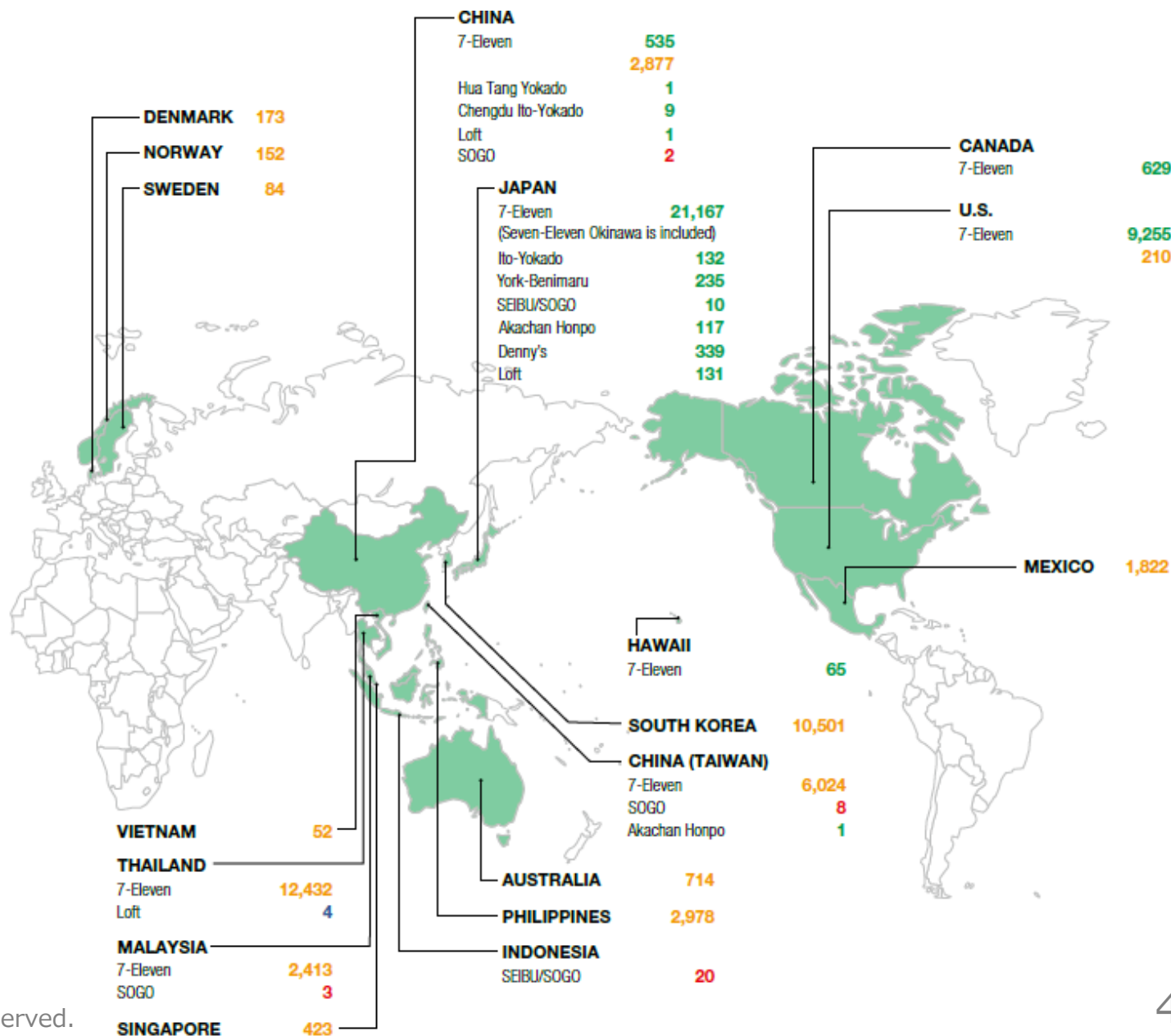
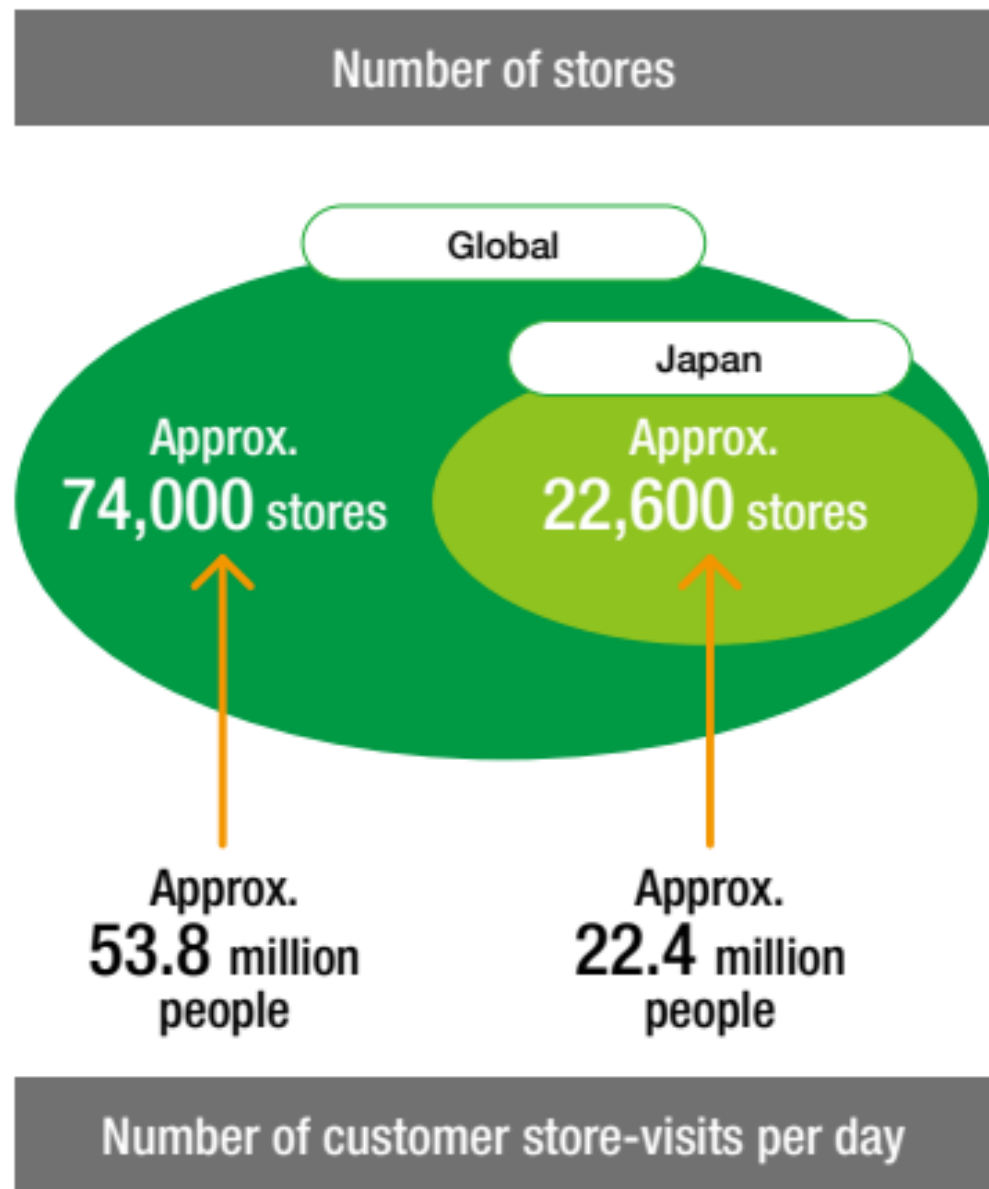


### Specialty Store Operations

- Akachan Honpo
- THE LOFT
- Seven & i Food Systems

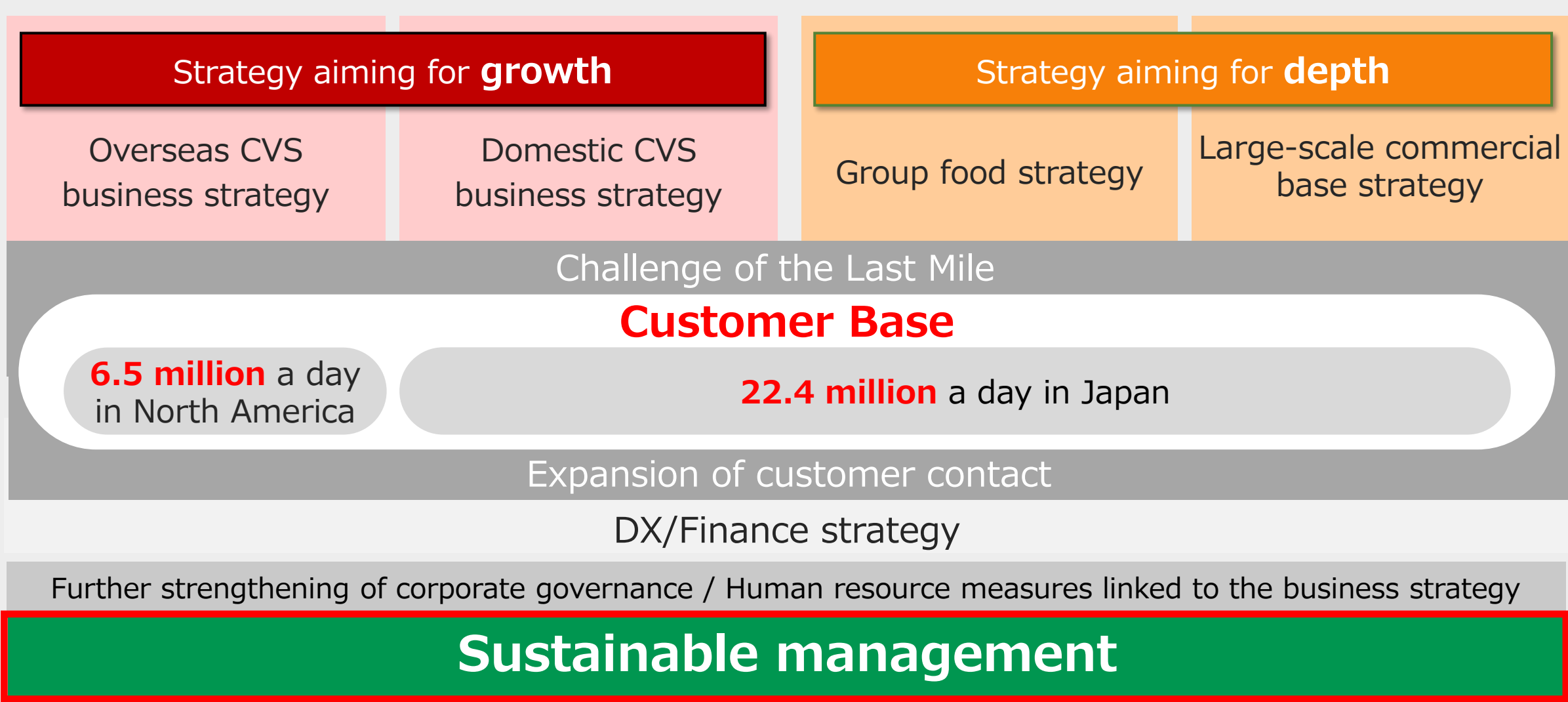


# Seven & i Group Overview (2)



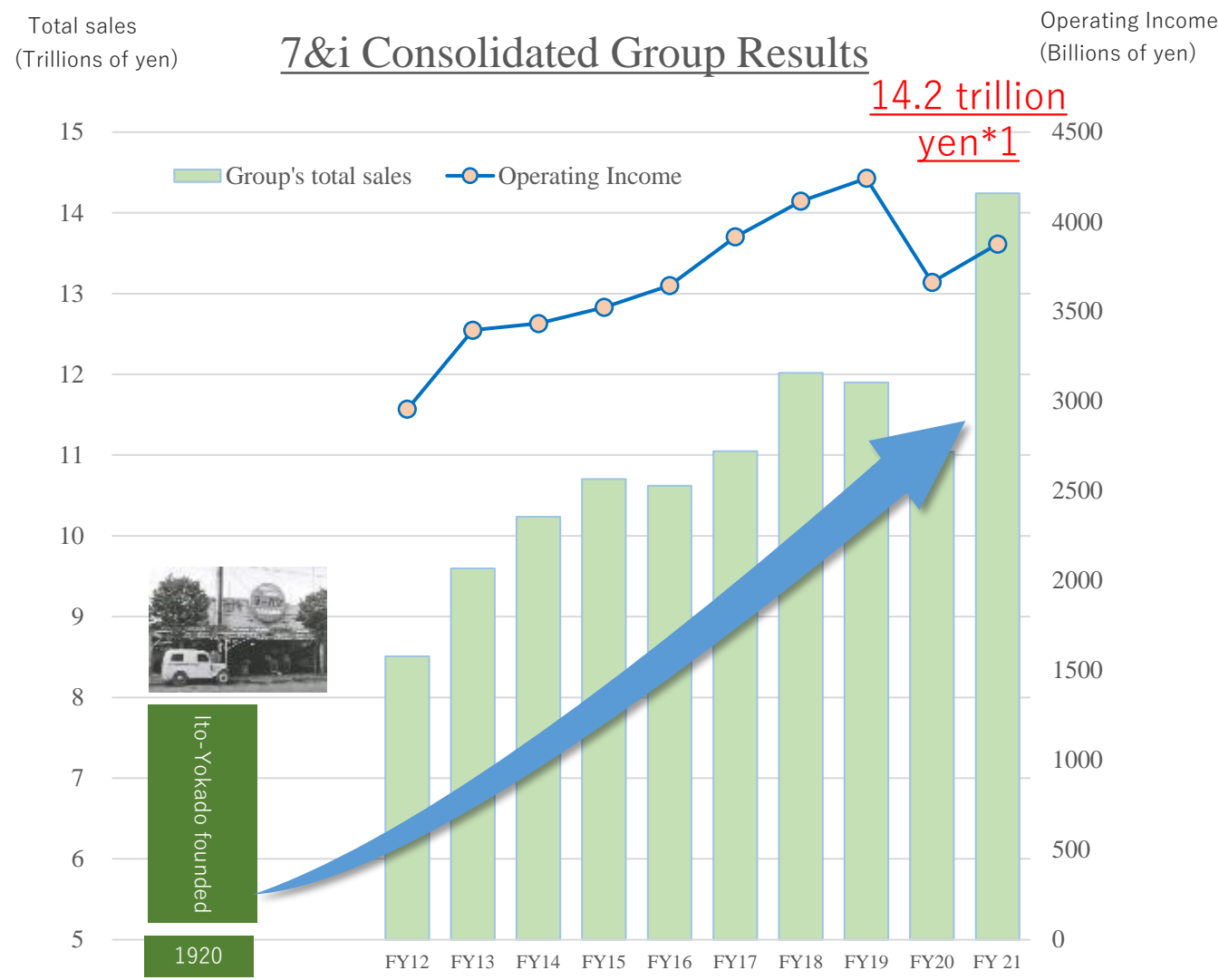
# Medium-Term Management Plan 2021-2025

Provide a new experience and value consistently from the customer’s point of view





# Seven & i Growth and Environmental Impact



Field	For the Seven & i Group Impact (Domestic)
CO2 Amount released	In the domestic retail industry Maximum (42nd in all industries)
Original products Plastics Amount used	Domestic production Share of about 1% or more
Amount of food wasted	In the domestic food retail industry Share of about 10%

※1: Gross sales are those of Seven-Eleven Japan, Seven-Eleven Okinawa and Figures including sales of franchised stores in 7-Eleven, Inc. are presented.

The 7&i Group has grown significantly while responding to various social issues and contributing to the creation of an affluent society. On the other hand, environmental negative impact is generated at the same time.

# The Environmental Initiative “GREEN CHALLENGE 2050”



## Targets for 2030 and 2050, as well as the future visions

(Issued in May 2019)

### 【4 themes】

- (1) Reduction of CO<sub>2</sub> emissions
- (2) Measures against plastics
- (3) Measures against food loss/waste and for organic waste recycling
- (4) Sustainable procurement

# "GREEN CHALLENGE 2050" Targets for 2030 and 2050 (1)

## Reduction of CO<sub>2</sub> emissions



### Emissions from the Group store operations

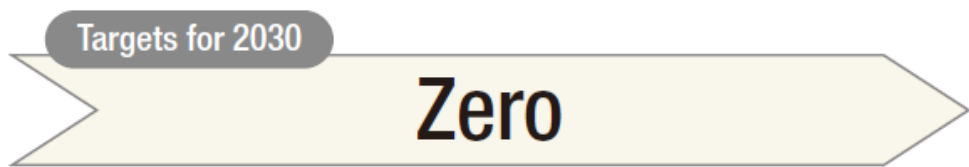


We will aim to reduce emissions across our entire supply chain (scope 3 emissions) in addition to our own emissions (scope 1 + 2 emissions).

## Measures against plastic



### Use of plastic shopping bags



We will aim to use sustainable and natural materials such as paper for the shopping bags we use.

### Containers used for original products (including *Seven Premium* products)

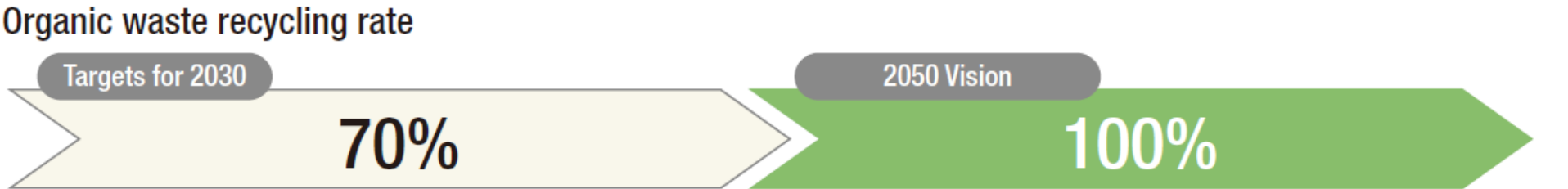
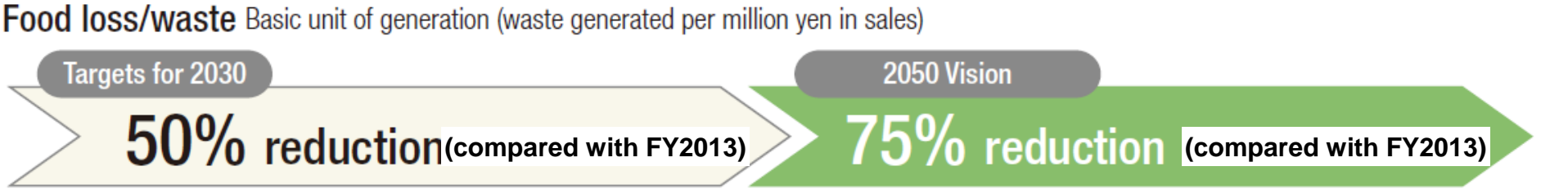




# "GREEN CHALLENGE 2050" Targets for 2030 and 2050 (2)

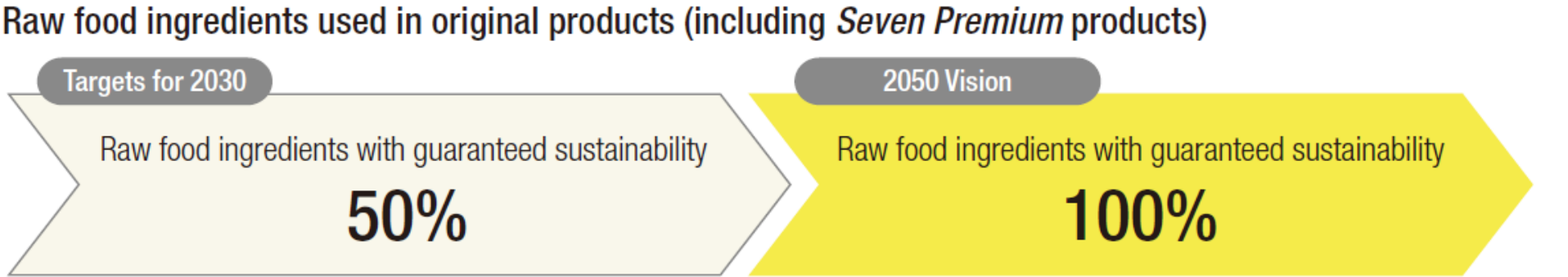
Measures against food loss/waste and for organic waste recycling





Sustainable procurement






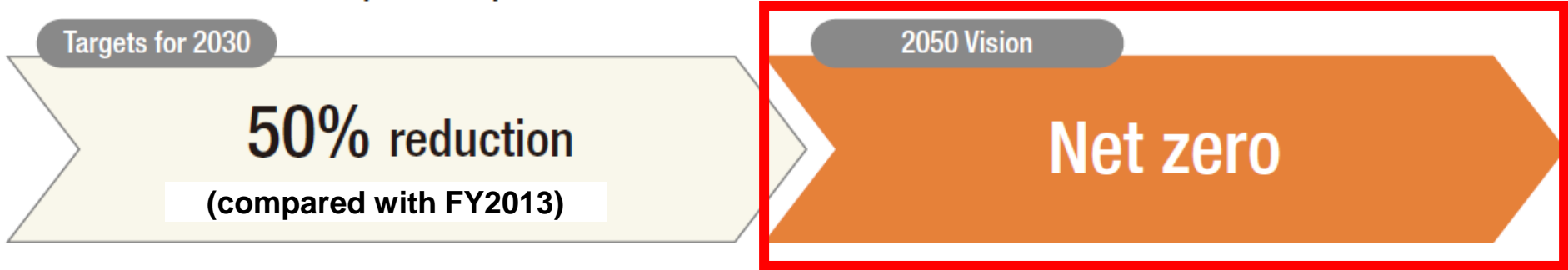
\*We will review our targets in response to changes in the social environment.

# Challenge for Net zero

Reduction of CO<sub>2</sub> emissions



Emissions from the Group store operations



We will aim to reduce emissions across our entire supply chain (scope 3 emissions) in addition to our own emissions (scope 1 + 2 emissions).



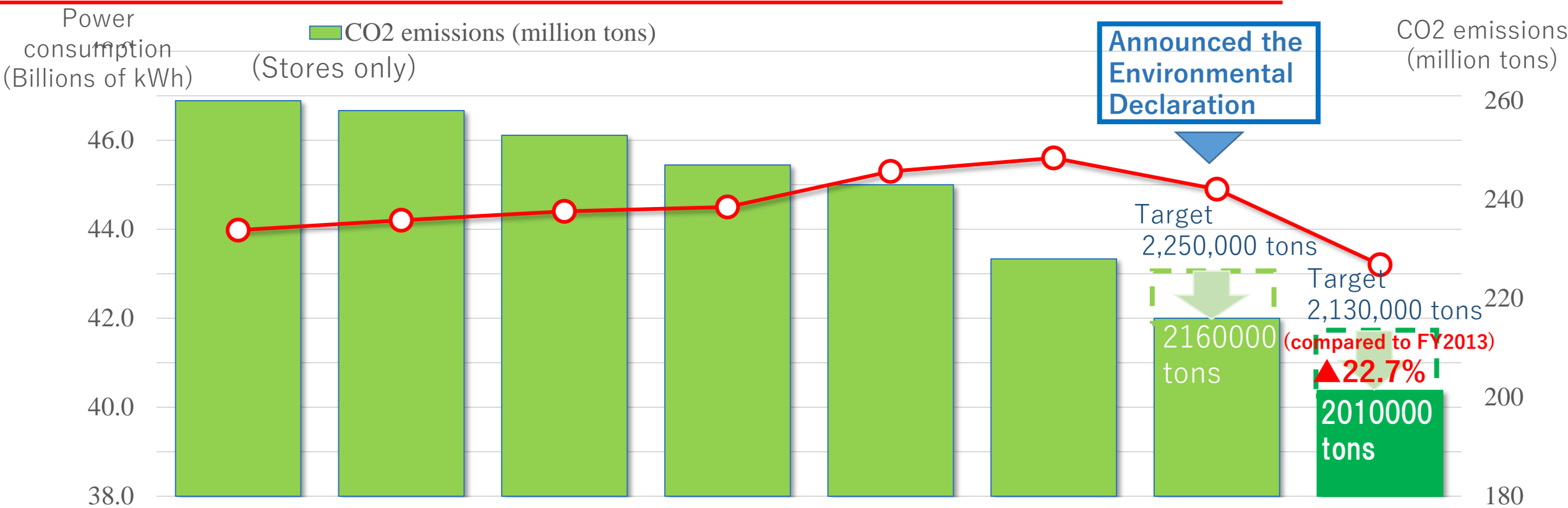
Seven & i Group commitments for SBT  
(April 2021)



Seven & i Group participates in RE100  
(December 2020)



# Trends in CO2 Emissions and Electricity Consumption (Stores)



	FY2013 (Base year)	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020
Number of stores	17,587 stores	18,775 stores	19,877 stores	20,976 stores	21,746 stores	22,332 stores	22,389 stores	22,544 stores

※Number of stores: Calculated as of the end of February of the fiscal year

No. of stores increased approx. 28% ↗ , CO2emissions decreased approx. 23% ↘

# Aiming to reduce CO2 through three actions



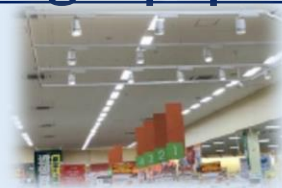
## On-site initiatives ⇒ Reduction of electricity consumption through energy conservation and energy creation

### Thorough energy savings



- Six Energy Conservation Actions
- Adjustment of Illumination Intensity, etc.

### Introduction and testing of energy-saving equipment



Joint procurement LED exchanges



AI air conditioning control testing, etc.

### Promotion of energy-creating equipment



Installation of solar panels  
8821 stores as of the end of FY21

## Off-site (off-site) initiatives ⇒ Procurement of long-term, stable renewable energy



### Off-site PPA with NTT Group

First domestic PPA modelling to be added



### Off-site PPA with the Hokuriku Electric Power Group

PPA of local production for local consumption with major electric power companies



# With Customers at "Energy Conservation" Frontline Stores

## Stores Energy Saving Together with Head Office



### Smart sensors

About 20000 Seven-Eleven stores Installed

- Early detection of problems in facility operation.
- Confirmed energy-saving effects at stores.
- Lead to further initiatives

## Energy saving with employees



### Six Energy Conservation Actions

(Implementation of the actions at all stores)

## Energy Conservation Together with Local Communities

Photos when ▽ lights up



Photo when ▼ is off



### light-down

(Approx. 7000 stores participate in events.)

Accumulation of small actions at approx 22,700 Group stores leads to significant effects



# Trends in Creation of People and Environmentally Friendly Stores

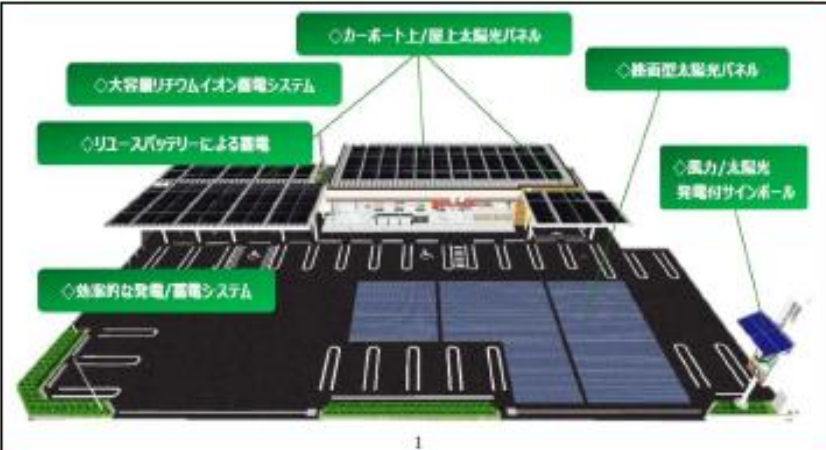
## Major Projects

Dec. FY2017  
Chiyoda Nibancho Store



Reducing the amount of power used by 28%  
Use of hydrogen fuel cells for power generation  
Refrigeration facilities that use CO2 coolants

May. FY2018  
Sagamihara Hashimotodai 1-chome store



Renewable energy ratio 46%  
Large-capacity lithium storage system  
Road solar panels

Sep. FY2019  
Kanagawa Project



Renewable energy ratio 100%  
High-performance solar panels  
Storage batteries utilizing reusable batteries

Aiming to create stores that are friendly to people and the environment

# Energy Conservation Demonstration Tests at Seven-Eleven Stores

## Store Overview

- ① Ome Shinmachi store      Opened in November 2020
- ② Yamato Shimotsuruma store      Opened in February 2021

Use of outdoor unit drain water



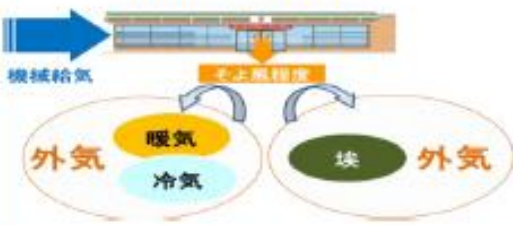
## Ome Shinmachi store



Large capacity solar panels



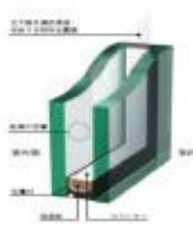
In-store air pressure control



Built-in Case  
New Refrigerant Gas



Double glazing



Storefront sign  
with dimming function



## Demonstration result

Electricity consumption (compared with FY2013)

▲43.0%

CO2 emissions (compared with FY2013)

▲54%

5kW solar panels ⇒ 10kW (standard) ⇒ 35kW storage of surplus electricity



# Expansion of stores with solar panels

Stores with solar panels : **8,821 stores** (in Japan, February 2022)



Seven-Eleven Japan



Ito-Yokado



York-Benimaru



York

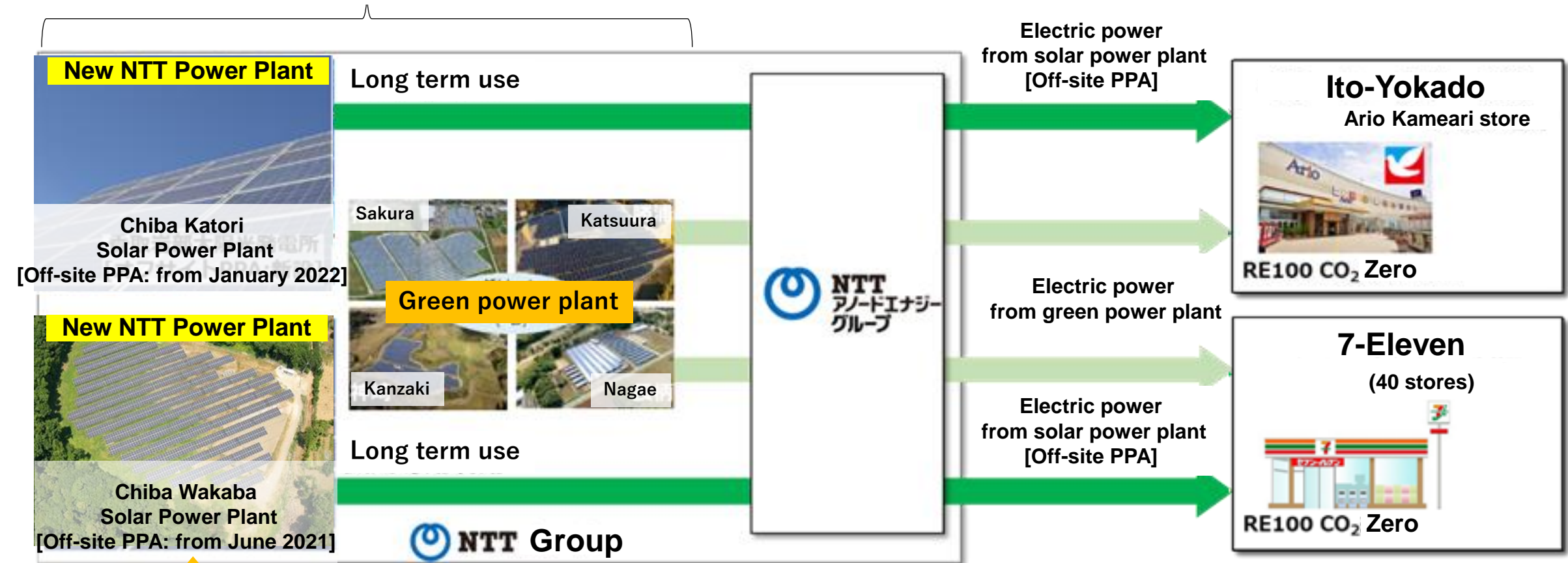
Large-scale solar power generation system  
at Ario Ichihara store (since July 2020)

- Capable of providing 24.3% of electricity used in stores



# Off-Site Initiatives [Renewable Energy Procurement]

## Solar Power Plant (OFF-Site)



With great care for the living environment and biodiversity



# Actions for re-procurement of energy (off-site PPA)

## 6/10 Holding of the Completion Ceremony



Scene of a tape cut

6/11 Nikkei Shimbun

Seven's own  
solar power plant  
Hokuriku Electric Power  
Supplies Electricity  
to 300 Stores

Venue: Fukui Solar Power Plant in Sakai City, Fukui Prefecture  
Attended by:  
President Isaka, Seven & i HLDGS  
President Matsuda Hokuriku Electric Power Co., Inc.  
and others



Started supply from  
the Hokuriku Electric Power Group  
on June 1

Provide electricity for 20 years  
"Local Production and Local Consumption  
Scheme"

Predicted generation	Approx. 6.7 million kWh/ years
CO <sub>2</sub> emissions reduction	※Same as the annual consumption of 2200 households Approx. 3,136t/ year




# Sustainable Development Goals – 17 PARTNERSHIPS FOR THE GOALS

17
PARTNERSHIPS FOR THE GOALS


PARTNERSHIPS FOR THE GOALS

SUSTAINABLE DEVELOPMENT
GOALS

1 NO POVERTY 	2 ZERO HUNGER 	3 GOOD HEALTH AND WELL-BEING 	4 QUALITY EDUCATION 	5 GENDER EQUALITY 	6 CLEAN WATER AND SANITATION 
7 AFFORDABLE AND CLEAN ENERGY 	8 DECENT WORK AND ECONOMIC GROWTH 	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 	10 REDUCED INEQUALITIES 	11 SUSTAINABLE CITIES AND COMMUNITIES 	12 RESPONSIBLE CONSUMPTION AND PRODUCTION 
13 CLIMATE ACTION 	14 LIFE BELOW WATER 	15 LIFE ON LAND 	16 PEACE, JUSTICE AND STRONG INSTITUTIONS 	17 PARTNERSHIPS FOR THE GOALS 	

