| Sustainability for the | Kansai Electric Power Group |
|------------------------|-----------------------------|
|------------------------|-----------------------------|

Environment

Social

Kansai Electric Power Co., Inc.) (

Kansai Transmission and Distribution, Inc.

Resource Circulation

ENVIRONMENT

Policy and Concept

In accordance with the aims stated in the Kansai Electric Power Group Environmental Policy, we are working actively to reduce emissions and recover resources. For industrial waste generated from our business activities, our Group is undertaking proactive 3R (Reduce, Reuse, Recycle) efforts with the goal of achieving zero emissions. For general waste such as copy paper and other office waste, we are also conducting 3R efforts with sorting as the foundation in each business place.

Kansai Electric Power Group Environmental Policy 3. Promoting resource circulation>

3. Promoting resource circulation

At the Kansai Electric Power Group, recognizing that natural resources are limited, we advance efforts toward resource circulation in society as a whole. Our efforts include reducing natural resource consumption in our business activities, proactively promoting 3R (reduce, reuse, recycle) practices, and providing products and services that contribute to resource circulation.

Goals

Maintaining industrial waste recycling rate

99.5%

► Efforts

Efforts to achieve zero emissions

The principal types of industrial waste generated by our Group include coal ash from coal-fired thermal power plants and concrete pole fragments remaining from power grid construction. In order to achieve zero emissions, we set a target for our Group of "a 99.5% or higher recycling rate" for industrial waste, and we are advancing efforts that include recycling all coal ash as raw material for cement and paving material for roads, for example. We achieved a 99.8% recycling rate in fiscal 2021, which marks the 12th consecutive year that we have reached our target since fiscal 2010. We are also working to reduce and recycle general waste (copy paper, etc.) from our offices.

Efforts to reduce plastic

Our Group's all-out efforts to reduce plastic include recycling of waste plastics originating from facility operations and construction work, reduction of plastic bags used in in-house shops, and promotion of reusable drink bottles. In compliance with the Plastic Resource Circulation Act, which took effect on April 1, 2022, we monitor the amount of industrial waste (including plastic-containing products) and set targets to reduce their amount for reduction purposes and for resource recycling.

Results in fiscal 2021 of waste plastic volume: About 290 tonnes by the Kansai Electric Company

About 1,017 tonnes by Kansai Transmission and Distribution

Targets for fiscal 2022: Reduce and recycle waste plastics to as great a degree as possible.

Changes in the amount of industrial waste generated and the recycling rates



Industrial waste recycling rate (%) = [(amount of industrial and other waste – amount of landfill disposal) ÷ (amount of industrial and other waste)] × 100

Kansai Electric Power Co., Inc. Kansai Transmission and Distribution, Inc.

Social

System

Promoting green procurement

Our Group is working on green procurement to promote resource circulation in society.

Green procurement concept

- (1) Given that all procured goods or all machines and methods used for construction have an environmental impact, wherever possible we will opt for environmentally friendly office supplies, materials, equipment and construction machines/methods.
- (2) The concept is to "rethink" whether goods to be purchased are necessary at all, "reduce" the amount of purchase as much as possible, "reuse" unnecessary goods at other locations (including extended use of purchased goods), "recycle" resources and "repair" things wherever possible.

Performance data

| | Wa | iste-related*1*2 | Unit | FY 2019 | FY 2020 | FY 2021 |
|---|---|---|-----------|---------|---------|---------|
| Amount of indus | Amount of industrial and other waste | | | 621.3 | 566.7 | 680.8 |
| | | waste | | (662.5) | (608.8) | (762.7) |
| | • Soot partic | les (heavy/crude oil ash, coal ash, etc.) | | 384.7 | 381.2 | 447.3 |
| | | | | (384.8) | (381.4) | (447.4) |
| | • Sludge | | | 129.7 | 91.3 | 129.5 |
| | (desulfogy | osum, wastewater processing sludge, etc.) | | (135.5) | (97.5) | (163.7) |
| | • Cinders | | | 45.8 | 30.8 | 35.6 |
| | • Childers • Demolition debris (waste concrete utility poles, etc.) • Metal scraps • Glass/ceramic scraps (thermal insulation scraps, insulator scraps, etc.) • Waste oil | | - 1,000 t | (46.1) | (31.0) | (35.8) |
| | | | | 18.1 | 17.1 | 16.4 |
| | | | | (36.9) | (38.0) | (53.8) |
| | | | | 25.5 | 26.6 | 24.5 |
| | | | | (27.4) | (28.7) | (25.5) |
| | | | | 2.4 | 2.1 | 2.9 |
| | | | | (4.7) | (4.0) | (5.6) |
| | | | | 4.1 | 4.5 | 3.4 |
| | | | | (5.9) | (4.9) | (3.8) |
| | • Waste plast | tic | | 1.4 | 1.1 | 1.3 |
| | (Repeated) Ash and gypsum | | | (3.1) | (2.5) | (2.5) |
| | | | | 553.2 | 498.6 | 608.7 |
| | • (nepeated) | | | (553.6) | (499.0) | (643.0) |
| | • Other | | | 9.6 | 12.0 | 19.9 |
| | ouner | | | (18.1) | (20.5) | (24.6) |
| | | (Repeated) | | 7.1 | 11.2 | 19.5 |
| | | Special controlled industrial waste | | (7.5) | (11.5) | (19.6) |
| Amount of indus | Amount of industrial waste for landfill disposal Glass/ceramic scraps (thermal insulation scraps, insulator scraps, etc.) Sludge (wastewater processing sludge, etc.) | | | 1.1 | 0.9 | 1.2 |
| 7 iniouni or inious | | | | (12.0) | (14.0) | (15.7) |
| | | | | 0.19 | 0.15 | 0.66 |
| | | | | (0.8) | (1.5) | (0.9) |
| | | | | 0.41 | 0.03 | 0.02 |
| | | | | (5.3) | (6.2) | (4.3) |
| | Demolition | debris | | 0.00 | 0.00 | 0.02 |
| | | | | (1.2) | (0.4) | (6.4) |
| | • Cinders | | 1,000 t | 0.00 | 0.00 | 0.00 |
| | | | | (0.3) | (0.2) | (0.2) |
| | • Waste plast | tic | | 0.27 | 0.08 | 0.35 |
| | · | | | (0.6) | (0.4) | (1.5) |
| | Metal scrap |)5 | | 0.03 | 0.02 | 0.01 |
| | | | | (0.2) | (1.3) | (1.0) |
| | • Other | | | 0.24 | 0.61 | 0.16 |
| | | | | (3.61) | (3.99) | (3.12) |
| | | (Repeated) | | 0.19 | 0.57 | 0.11 |
| | | Special controlled industrial waste | | (0.35) | (0.66) | (0.16) |
| Industrial waste recycling rate*3 | | | 99.8 | 99.8 | 99.8 | |
| | | | % | (98.1) | (97.7) | (97.9) |
| | | Ash and gypsum waste recycling rate*3 | | 100 | 100 | 100 |
| , infanta gypsant fraste reeyening fate | | | (99.9) | (99.9) | (99.9) | |

*1 The totals may not match up due to rounding. *2 The figures in parentheses include the results of group companies (excluding those of some group companies)

*3 Industrial waste recycling rate = [(amount of industrial and other waste – amount of landfill disposal) ÷ (amount of industrial and other waste)] × 100