ESG Report 2022 Kansai Electric Power Group ESG Report 2022



💙 Kansai Electric Power Group

power with heart

Message from our executive officer in charge of ESG reports



Nobuhiro Nishizawa Representative Executive Officer, Vice President

In March 2021, we formulated the Kansai Electric Power Group Management Philosophy Purpose & Values and we declared to the world how we would implement business activities that foster the Values of Fairness, Integrity, Inclusion, and Innovation to achieve our Purpose of Serving and Shaping the Vital Platform for a Sustainable Society—which we consider to be the overarching tenet that governs everything we do.

We also developed the Kansai Electric Power Group Medium-term Management Plan (2021–2025)—an action plan for the next five years—that will act as a springboard to make us a corporate group that can provide various social infrastructure services. In addition, as a "leading company in achieving a zero-carbon energy," we set up the Zero Carbon Vision 2050 so we can better tackle global warming issues, on a voluntary and proactive basis. Based on these policies, the focus will be on delivering safe, stable, environmentally friendly energy; providing new value to resolve societal issues; and establishing a solid foundation to support those goals. As well as achieving sustainable growth for the Group and helping to resolve global societal issues such as those addressed by the SDGs, we will help bring about a sustainable society.

Going forward, we will push ahead with initiatives that respond to changes in the business environment and in stakeholder expectations and requests, and to help make society more sustainable. Equally, we will work proactively to provide information on those initiatives.

Editorial policies

Positioning of ESG Report

This report brings together all ESG-related information disclosed in our Integrated Report, on websites, etc., as well as including content with additional details. With reference to the GRI standards and other ESG reporting guidelines, we have organized the content by item—Environment, Social and Governance—to make it easier to browse through the information. Please also refer to our Integrated Report for details on the Group's growth strategy and important initiatives related to sustainability.

1

Reference guidelines

The 2016 GRI Sustainability Reporting Standards, Environmental Report Guidelines (2018 Edition), ISO 26000, SASB, etc.

Place of publication

Sustainability and Quality Promotion Group, Office of Corporate Planning, The Kansai Electric Power Co., Inc. 3-6-16 Nakanoshima, Kita-ku, Osaka 530-8270, Japan

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Scope of report

Period covered: April 1, 2021 to March 31, 2022 (We also report on important information that may fall outside of the time frame above.) Companies covered: The Kansai Electric Power Co., Inc., and Kansai Electric Power Group companies. ("The Company" refers to The Kansai Electric Power Co., Inc.) Unless otherwise specified, figures given are a combined total for The Kansai Electric Power Co., Inc. and Kansai Transmission and Distribution, Inc.

Contents

Message from our executive officer in charge of ESG	G reports /	
Editorial policies	• • • • • • • • •	1
🔶 Sustainability Management		3

Environment

Environmental Management ·····	10
Environmentally Friendly Business	24
Climate Change ······	26
Resource Circulation	31
Pollution Prevention	33
Efforts Toward Conserving Biodiversity ·····	36
♦ Water Resources ·····	39

Social

luman Rights	41
Labor Practices	43
Occupational Health and Safety	52
Human Capital Development	55
Responsibilities Toward Customers	60
Disaster Mitigation Efforts	82
Communities	85
Supply Chain Management	94

Governance

Corporate Governance	97
Risk Management	106
Compliance	109

Social

Sustainability Management

Under the ultimate overarching concept of the Kansai Electric Power Group Management Philosophy Purpose & Values, the Group has announced that it will carry out business activities that promote the Values of Fairness, Integrity, Inclusion, and Innovation to achieve its Purpose of Serving and Shaping the Vital Platform for a Sustainable Society for the benefit of its customers and society. We have set out specifically how we should act in accordance with this management philosophy in the Kansai Electric Power Group Code of Conduct. By having all Group employees base their actions on this code, the aim is to achieve both sustainable growth for the Group and to make society more sustainable.

Kansai Electric Power Group Management Philosophy



Kansai Electric Power Group Code of Conduct

Basic view

The Kansai Electric Power Group Code of Conduct details specifically how our executives and employees should act, providing a foundation for decision-making in our business activities. This code is based on the Kansai Electric Power Group Management Philosophy and takes all in-house company rules as prerequisites.

The business activities of the Kansai Electric Power Group are supported by a variety of stakeholders, including customers, shareholders and investors, business partners, employees and other members of society. The trust we receive from these stakeholders is itself the foundation that allows us to continue fulfilling our duties and pursuing sustainable growth as the Kansai Electric Power Group.

We fulfill our duties as a member of society by acting in accordance with our Management Philosophy and always thinking about what it means to thoroughly implement compliance not only for laws and regulations, but also for the standards expected by modern society. We want to make our various stakeholders have unshakable trust in us by responding sincerely to their expectations for our group business activities.

Based on this mindset, our employees all work together and combine their individual capacities, enabling the Kansai Electric Power Group to contribute to the sustainable development of society.

Social

1. Thorough compliance implementation

At the Kansai Electric Power Group, we practice thorough legal and ethical compliance as the foundation to all our business activities. Business results and activities are absolutely never prioritized above compliance. Moreover, anyone who raises questions or reports about issues related to compliance will not be treated unfairly in any way as a result.

Conduct standards for individuals

• Act sincerely with good sense and dignity as one member of the Kansai Electric Power Group.

- In the execution of business, abide by domestic and foreign laws and ordinances that restrict business along with other relevant legal restrictions as well as regulations established by the company and other in-house rules. Never undertake any behavior that is contrary to corporate ethics and accepted social norms.
- Ask yourself the following questions about your conduct.
- Would the conduct go against your own conscience?
- Could you speak proudly about the conduct to your family and other people important to you?
- Could you confidently explain the conduct to customers and other people outside the company?
- Do you think continuing conduct as you have in the past is fine? Are you assuming that conduct is correct?
- Are you continuing conduct as before even though you have doubts or feelings of discomfort about it?

When you have doubts about something or feel it is strange, have courage and report to and consult with work superiors or a Compliance Hotline.

Note: In 2019, incidents were revealed in which executives and employees from our company received gifts and cash of significant value from a former deputy mayor of the town of Takahama in Fukui Prefecture and in which executives received problematic payments after retirement. These incidents caused great trouble and seriously betrayed the trust we received from our customers, members of society and our various stakeholders. This article takes this into consideration.

2. Fair business activities

At the Kansai Electric Power Group, we practice fair and free competition and conduct reasonable business transactions. We do not participate in bribery or other corrupt conduct with the goal of obtaining profits unfairly. Moreover, we promote responsible procurement with high levels of sustainability and transparency.

Conduct standards for individuals

- Do not provide or accept inappropriate gifts or entertainments.
- Do not do anything that presents advantages only to specific individuals or businesses.
- Maintain healthy relationships with politicians and government administrators.
- Resolutely refuse inappropriate demands from antisocial (criminal) forces and organizations. Respond to such demands with the fortitude of the organization rather than as an individual. Maintain no relations with such forces and organizations.

3. Appropriate information disclosure, management and discussion

At the Kansai Electric Power Group, we reflect the feedback of society in our business activities appropriately. In addition, we conduct open business activities with high transparency by further advancing suitable and timely information disclosure and transmission along with communication with members of society as we fulfill our explanatory duties to society with sincerity. Furthermore, we manage personal data along with other types of information appropriately.

Conduct standards for individuals

- Proactively communicate with members of society.
- Undertake efforts fairly when providing information to members of society and conducting activities to promote understanding of our business activities.
- Gather a wide range of opinions, desires and other feedback about our business activities from customers and members of society, share this data within the company and apply it to business improvement.

- Manage personal data, customer data, business secrets and similar information appropriately.
- Strictly handle records related to business.
- When problems arise in business operations, report on the facts quickly and accurately.

Social

4. Respect for human rights and promotion of diversity

At the Kansai Electric Power Group, we recognize human rights as a universal value shared by global society. We support international standards related to human rights and respects them in all our business activities. In addition, as we advance diversity, we will continue seeking to realize ways of working and cultivating workplace environments that enable every person to work with peace of mind and exercise their abilities to their maximum potentials.

Conduct standards for individuals

• Respect the human rights of every individual involved in business activities and promote diversity.

- Never say or do anything that is discriminatory, harassing, defamatory or taunting or that could otherwise cause another person to feel uncomfortable based on race, nationality, religion, gender, sexual orientation, sexual identity, social position, family background, occupation, disability or other personal trait. Moreover, do not sympathize with such words or behavior or allow them to pass.
- Never be involved in any kind of forced labor or child labor.
- Endeavor to create workplaces that make the most of diverse senses of value and that enable people to work with vigor and vitality.

5. Assurance of safety

Based on the Kansai Electric Power Group Code of Conduct for Safety, we will continue building an unwavering culture of safety.

Conduct standards for individuals

- Protect the safety of every person involved by making the assurance of safety the top priority in all activities.
- Note: Taking to heart that safety is the foundation for all our business activities and the source of the trust that we earn, we established the Kansai Electric Power Group Code of Conduct for Safety based on numerous lessons learned from accidents and disasters, including the accident that occurred at Mihama Nuclear Power Station Unit 3 in August 2004. This article takes this into consideration.

6. Provision of products and services that customers choose

At the Kansai Electric Power Group, we strive to develop and improve products and services that customers choose through innovation and other efforts, and we contribute to resolving the issues of society.

Conduct standards for individuals

- With self-awareness and pride as a professional, always strive to improve service and respond to customer desires and feedback sincerely, rapidly and accurately, contributing to their satisfaction.
- In the execution of business activities, continuously improve work contents and rules to maintain and improve quality.
- In order to deliver new value to customers and society, advance innovation and seek cooperative creation with stakeholders.
- Endeavor to create and protect intellectual property, and utilize it effectively to develop and provide products and services that are useful to society.

7. Efforts toward the creation of an even better environment

At the Kansai Electric Power Group, we recognize the importance of working to respond to environmental issues ranging from climate change to the advancement of resource circulation and local environmental preservation. As a business with deep connections to the environment, we are striving to reduce the environmental impacts and risks that result from our business activities. Furthermore, we seek the creation of a better environment and actively contribute to the formation of a sustainable society by providing products and services with low environmental impacts.

Conduct standards for individuals

- Recognize the significance of environmental conservation, and thoroughly consider the impacts that our own work has on the environment.
- Practice conduct in our own work that considers the environment, including resource and energy conservation.

Social

8. Problem-solving and development efforts for local communities

As a business that is very close to communities and daily life, we recognize that the advancement of the Kansai Electric Power Group is not possible without the sustainable development of local communities. With this understanding, as we cooperate with various stakeholders, we contribute positively to problem-solving and development in local communities through efforts to invigorate them and their economies. Furthermore, in our business activities overseas, we also contribute to the development of local communities as we consider their cultures and customs.

Conduct standards for individuals

- Cooperate with local communities that have stakes in our business activities, and contribute to solving their problems and invigorating them.
- In addition to listening for feedback from local communities, think about what you can put into practice yourself and participate actively in efforts that contribute to society.

9. Thorough risk management

The Kansai Electric Power Group is a business responsible for lifelines that are indispensable to society. We thoroughly implement systematic risk management in preparation for the occurrence of incidents, disasters and other events that threaten citizen lifestyles and corporate activities, and we make certain that products and services are provided safely and stably every day.

Conduct standards for individuals

- Through daily inspections and other efforts, identify factors that could lead to accidents, disasters and defects, and strive to prevent them.
- Prepare for natural disasters, military attacks, contagious disease spread, cyber attacks and other emergencies by anticipating them and conducting training, drills and other readiness practices.
- In the event that an accident, natural disaster or other emergency occurs, work diligently in cooperation with all employees to realize rapid recovery and otherwise respond. This includes conveying appropriate information to customers in society, coordinating inside and outside the company, and arranging aid supplies.

10. Executive responsibility and thorough implementation of this code

The President and all executives of the Kansai Electric Power Group, recognizing their responsibility to implement this code, seek to build effective governance and make it understood well throughout the Group. Moreover, should any incident occur that violates this code and causes a loss of trust from society, all executives will bear responsibility for responding. This includes taking the lead in resolving resulting problems, investigating the causes and preventing recurrence.

Activities to implement the management philosophy and code of conduct

We have established an activity plan to spread awareness of the management philosophy that was formulated in March 2021, as well as the code of conduct among all employees and to promote putting them into practice in daily tasks. Based on this plan, we are actively working on activities that include opinion exchanges between management and employees, varied types of training, workplace-specific discussions, and support activities for group companies. One aspect of the activities is the Conduct Cards, which list the Management Philosophy, Compliance Checklist, and Safe Action Declaration, that we distribute to all employees to carry. The backs of the cards display each employee's personal conduct vows, and employees use these cards to check their conduct and goals in their own work.

Sustainability promotion system

As a corporate group that aims to be of benefit to our customers and communities, we promote sustainability-focused initiatives to achieve growth and development for ourselves, but also to resolve global societal issues and so contribute to making society more sustainable. To further advance these initiatives, we have established the Sustainability Promotion Council, which is chaired by the President. In addition to formulating a series of comprehensive measures for the entire Group, the Sustainability Promotion Council establishes extensive initiatives that allow the Group to contribute to the sustainabile development of society and deploys a range of concrete activities. Issues of a specialized nature are sent to committees such as the Sustainability Promotion Board for deliberation. The policies formulated by the Sustainability Promotion Council are communicated to each operating division and business location, which then develop their own activities accordingly. Each group company also develops its own sustainability promotion activities independently, while staying in communication with the Kansai Electric Power Company.



Materiality for the Kansai Electric Power Group (Important issues)

To contribute to the achievement of a sustainable society through the pursuit of SDGs and the resolution of other global issues, we have identified the following 10 themes for the Group's ESG materiality (important issues) in line with our Medium-term Management Plan.

• Committed to realizing the Zero Carbon Vision 2050, the Kansai Electric Power Group is shifting to "zero-carbon power sources," which include nuclear, renewable energy and zero-carbon thermal power generation, to contribute to decarbonization. • We will speed up digitalization, innovation, and workstyle innovation; introduce reforms to make our corporate constitution more robust; and continue to provide new value to customers and society.

• We have positioned recovering trust as the basic premise of our business operations, and by establishing appropriate

governance and furthering compliance, we are building a solid management foundation.



Materiality identification process

STEP 1

achieving the goals of the

Medium-term Management Plan

(2021-2025), evaluate these risks in

terms of probability of occurrence, chronology of occurrence and degree

of impact, then extract about 500 items of material risks and opportunities.



opportunities.

STEP 3

Evaluate the significance and appropriateness of important issues for stakeholders, based on the opinions of shareholders and investors as well as the issues seen as important in the ESG external evaluation.

STEP 4

The Executive Meeting and the Board of Directors hold discussions to identify 10 material issues.

We refer to the GRI standards (including aspects specific to power) as fundamental requirements that should be considered in reviews.

E

- Environmental Management
- Environmentally Friendly Business
- Climate Change
- Resource Circulation
- Pollution Prevention
- Efforts Toward Conserving Biodiversity
- Water Resources

Kansai Electric Power Co., Inc.

Kansai Transmission and Distribution, Inc.

Environmental Management

ENVIRONMEN

Policy and Concept

Environmental policy

As a responsible energy business deeply involved with the environment, we recognize the importance of addressing various environmental issues, such as climate change, resource recycling promotion and local environmental conservation. We are also committed to reducing the environmental burden and risks related to our business activities in line with the Kansai Electric Power Group Code of Conduct, which aims to proactively contribute to building a better environment and a sustainable society by providing environmentally friendly products and services. Moreover, in line with our conduct standards for individuals, we fully recognize the significance of environmental conservation, pay due consideration to the environmental impact of our business operations and support environmentally friendly practices with an emphasis on resource and energy conservation.

The Kansai Electric Power Group Environmental Policy sets the direction of our medium- to long-term environmental management plans, featuring seven approaches to address climate change, each of which is being promoted. The Environmental Policy is subject to review and examination by the Sustainability Promotion Board as necessary, and the results of which are communicated to our employees as well as to employees of group companies.

Environmental management system

Our Group has an environmental management system in place, incorporating the ISO 14001 guidelines, in order to promote measures for building a better environment and manage environmental risks. Our environmental management system, supervised by top management, is being upgraded through a continuous PDCA cycle—i.e., development of environmental policies; development, implementation, check and review of our Group's Eco Action (an action plan for environmental management); and management review by the Sustainability Promotion Board. Eco Action covers both our business activities and office activities while the latter concerns group-wide efforts to conserve resources and save energy.

Kansai Electric Power Group Environmental Policy

1. Adhering to environmental laws, regulations and related rules At the Kansai Electric Power Group, we adhere to laws,

regulations and other rules related to the environment.

2. Responding to climate change

At the Kansai Electric Power Group, recognizing climate change as a key business challenge, we actively work to reduce greenhouse gas emissions. We pursue the goal of carbon neutrality throughout the entirety of our business activities and support our customers and society in achieving decarbonization by 2050.

In addition, we also work to adapt in preparation for the harmful impacts of climate change.

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.





4. Protecting local community environments

At the Kansai Electric Power Group, we seek to prevent environmental pollution while working to strictly manage and reduce toxic chemicals in our business activities in order to promote the environmental protection of local communities.

5. Conserving biodiversity

At the Kansai Electric Power Group, we recognize the importance of biodiversity. We properly assess, analyze and evaluate the impacts of our business activities and work to preserve biodiversity.

6. Promoting environmental communication

At the Kansai Electric Power Group, we work proactively to raise environmental awareness and disclose information related to the environment.

7. Continuously improving our environmental management systems At the Kansai Electric Power Group, we seek to continuously improve our environmental management systems in order to increase our environmental performance.

Environmer

Kansai Electric Power Grou

Governance

System

Environmental management efforts are ongoing, with the President (as Chief Environmental Management Officer) leading the environmental officers of each division and organization. Meanwhile, the Office of Corporate Planning and the Office of Energy and Environmental Planning are promoting corporate environmental management, utilizing their expertise in environmental issues while providing assistance and guidance to each division (support for independent environmental management).

The Sustainability Promotion Board, which is in principle held twice a year, reviews our environmental management system, the results of which are reflected in the system itself. At the same time, the Kansai Electric Power Group Environmental Management Committee, comprised of representatives from consolidated subsidiaries and equity-method affiliates, usually holds an annual meeting to exchange information on issues concerning our Group's environmental management activities while cooperating as needed with the Sustainability Promotion Board. Environmental management promotion system of the Kansai Electric Power Group

Social



* 51 companies, which are selected from 86 consolidated subsidiaries and 4 equity-method affiliates, excluding those that have low environmental impacts and Kansai Transmission and Distribution, Inc.

Goals

Environmental Management System (list of Eco Action)

Kansai Electric Power Group Eco Action (results in fiscal 2021 and targets for fiscal 2022) Responding to climate change

ltem	FY2	FY 2022	
item	Targets	Results	Targets
Advancing efforts to control CO2 emissions	 Keep the top spot for the amount of zero-carbon power generation in Japan Halve CO₂ emissions associated with power generation in Japan in FY 2025 (compared to FY 2013) 	 We kept the top spot for the amount of zero-carbon power generation in Japan (based on surveys and comparisons made in the electric power statistics) Reduction of about 48% from fiscal 2013 levels of CO₂ emissions associated with power generation in Japan (Emissions: About 25.4 million t-CO₂) 	Continued
Continuing safe and stable operation of nuclear power plants*1	Continue safe and stable operation of nuclear power plants (zero unplanned shutdowns)	We continued the safe and stable operations at running plants	Continued
Further development and utilization of renewable energy	 Achieve 6 GW of installed capacity by 2030s (2 GW or more new development in Japan and abroad) 	Accumulated installed capacity with a total of 4.95 GW (Capacity of facilities that have begun operation (completed construction): about 4.24 GW; Project underway: about 0.70 GW)	Achieve 5 GW scale of new development and 9 GW scale of cumulative capacity in Japan by 2040
Maintaining and improving the thermal efficiency of thermal power plants ^{*1}	• Achieve benchmark indicators*3 (A: 1.00, B: 44.3%)	• We achieved benchmark indicators	Continued
Reducing transmission and distribution loss*2	Maintain or reduce transmission and distribution loss	• 5.3%	Continued
Promoting use of innovative forms of energy among customers and communities	Contribute to making energy use by customers and communities more sophisticated	We worked to expand use of devices and services that contribute to more sophisticated utilization of energy by customers and communities • Smart meters deployed: 0.48 million/year (Cumulative total: 12.74 million), progress rate: about 97%	Continued
Controlling SF ₆ emissions (calendar year basis) (gas recovery rate upon inspection/removal of equipment)	• 97% (upon inspection) • 99% (upon removal)	• 98.3% (upon inspection) • 99.4% (upon removal)	Continued

*1 Targets and results apply only to the Kansai Electric Power Co., Inc. *2 Targets apply only to Kansai Transmission and Distribution, Inc.

*3 Indicators based on the benchmark system of the Law Concerning the Rational Use of Energy

tainability for the Kansai Electric Power Group	Environment	Social	Governance	
	Kansai Electric Powe	r Group Kansai Electric Power Co. Inc.	Kansai Transmission and Distribution Inc	

Promoting resource circulation

ltem	FY 2	FY 2022	
item	Targets	Results	Targets
Maintaining industrial waste recycling rate*	• 99.5%	• 99.8%	Continued

* Waste plastic reduction program

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.

Protecting local community environments

ltem	FY 2021			FY 2022
item		Targets	Results	Targets
Maintaining sulfur oxide (SOx) and nitrogen oxide (NOx) emission factors	SOx	Emission factors: maintain the lowest levels in the world Emissions: strictly adhere to agreed values at each power plant	Overall: 0.027 g/kWh Thermal: 0.054 g/kWh All agreed values were met	Continued
	NOx		Overall: 0.042 g/kWh Thermal: 0.084 g/kWh All agreed values were met	Continuea
Proper processing of PCB wastes	Proceed with certainty to achieve processing before the legal deadline		Amount of high-level PCB processed (Cumulative total): 5,419*	Continued

* Number of high-voltage transformers, capacitors and other electrical equipment that were subcontracted to the Japan Environmental Storage & Safety Corporation (JESCO).

Conserving biodiversity

ltem	FY 2	FY 2022	
item	Targets	Results	Targets
Conservation of biodiversity	Consideration of biodiversity through business activities	 In fiscal 2021, field studies were conducted at four hydropower plants along the Kizu River system in Nara Prefecture to gather data on the habitats of plants and animals. Experts were consulted for guidance and advice where flora with conservation value contributing to biodiversity was identified. 	Continued

Office energy and resource conservation activities (group-wide items)

lte	em Reducing office electricity consumption		Reducing office water consumption	Improving fuel efficiency of company vehicles	Reducing copy paper consumption	
Targets Reduce by 1% or more from previous year			Reduce as much as possible	Improve as much as possible	Reduce as much as possible	
Record of results	Non- consolidated	(GWh) 80 75 60 40 20 2019 2020 2021 (FY)	(1,000 m ³) 600 400 413 388 392 200 0 2019 2020 2021 (FY)	(km/L) 12.0 11.0 10.95 10.9 10.81 10.0 9.0 2019 2020 2021 (FY)	(t) 800 747 700 662 600 500 500 500 500 521 400 2019 2020 2021 (FY)	
	Group companies*	(GWh) 80 60 40 2019 2020 2021 (FY)	(1,000 m ³) 600 400 200 108.02 109.06 109.07 0 2019 2020 2021 (FY)	(km/L) 12.0 11.0 10.0 9.62 9.83 9.54 9.0 2019 2020 2021 (FY)	(t) 800 700 600 500 525.5 480.2 400 427.3 2019 2020 2021 (FY)	

* Calculated for 38 consolidated subsidiaries (excluding Kansai Transmission and Distribution, Inc.) for which three-year data (FY 2019–2021) is available.

Sustainability for the Kansai Electric Power Group	Environment	Social	Governance
	Kansai Electric Pow	er Group Kansai Electric Power Co., Inc.	(Kansai Transmission and Distribution, Inc.)

Efforts

Environmental compliance

Recognizing "strict enforcement of compliance" as part of materiality (important issues), our Group is committed to eliminating any major violations of environmental compliance.

Major violations of environmental compliance reported in fiscal 2019 to 2021 are summarized below.

Major environmental compliance violations

ltem	Targets	Results		
item	Targets	FY 2019	FY 2020	FY 2021
Major environmental compliance violations	0	4	1	4

· Major violations of environmental compliance occurred or reported in each fiscal year are included.

"Major violations of environmental compliance" are defined as "violations that have impacted (or could impact) the surrounding environment and/or human health."

Major violations of environmental compliance occurred or reported in fiscal 2021 are summarized below.

Summary of major violations of environmental compliance

Inappropriate processing of transformer parts contaminated with low concentration of PCB during replacement work.
 Inappropriate processing of facilities containing asbestos during replacement work (3 cases identified)

We are implementing efforts to identify root causes, review in-house rules (observance of relevant laws and regulations), and educate employees to prevent any recurrence of these violations.

In addition, details of these incidents are communicated company-wide and preventive measures are shared between all those concerned to prevent similar violations from taking place at other offices.

Sustainability for the Kansai Electric Power Group	Environment	Social	Governance
	Kansai Electric Pow	er Group Kansai Electric Power Co., In	c. Kansai Transmission and Distribution, Inc.

Performance data

Eco Action-related		Unit	FY 2019	FY 2020	FY 2021	
SF6 gas emissio	SF ₆ gas emissions		0.1	0.1	0.1	
	Upon inspection	t	0.1	0.0	0.0	
	• Upon removal		0.0	0.1	0.1	
SF6 gas recovery rate						
	• Upon inspection		99.0	99.6	98.3	
	• Upon removal	%	99.4	99.3	99.4	
Transmission and distribution loss rate*1*2			4.8	5.1	5.3	
Number (cumulative total) and rate of smart meters installed*2		million %	About 11.53 About 88	About 12.25 About 93	About 12.74 About 97	

*1 Transmission and distribution loss rates = (area transmission-end power – area consumption power (end use) – substation power) / area transmission-end power × 100 [%] *Area" in this case refers to the entire supply area of Kansai Transmission and Distribution, Inc. *2 Data of Kansai Transmission and Distribution, Inc. only

Office-	Office-related			FY 2020	FY 2021
Energy and resource conservation (Office division)	Office electricity consumption*1	GWh	75	74	72
	Office water consumption*1	1,000 m ³	413	388	392
	Fuel efficiency of company vehicles	km/L	10.95	10.9	10.81
	Vehicle fuel consumption (gasoline)	1,000 kL	1.9	1.6	1.6
	Vehicle fuel consumption (diesel oil)		0.8	0.8	0.8
	Copy paper consumption	t	747	662	521
	Office electricity		2.4	2.6	2.2
CO ₂ emissions resulting from office	Office water	10,000 t-CO2	0.01	0.01	0.01
activities*2	Vehicle fuels		0.6	0.6	0.6

*1 The scope of this calculation was reviewed for the actual consumption amounts of office electricity and water.

*2 CO₂ emissions from office activities = amount of electricity consumption × adjusted emission factor

CO2 emissions from office water consumption = amount of office water consumption × emission factor

CO₂ emissions from vehicle use = amount of vehicle fuel consumption \times emission factor by type of fuel

Material-related, revegetation rate		Unit	FY 2019	FY 2020	FY 2021
Amount of limestone used*1		1,000 t	61	56	71
Amount of ammonia used*1			8	8	7
	Thermal power plants*3		42	42	41
Revegetation rate* ² (end of fiscal year)	Nuclear power plants	%	67	67	66
	Electric power offices (substations)		28	28	28

*1 Data of the Kansai Electric Power Co., Inc. only

*2 Revegetation rate = (business site revegetation area ÷ business site total area) × 100

*3 The method of calculating the area of forests was revised.

Rates of conversion to underground transmission and distribution lines*	Unit	FY 2019	FY 2020	FY 2021
Rate of conversion to underground transmission lines (end of fiscal year)	0/	17.5	17.6	17.6
Rate of conversion to underground distribution lines (end of fiscal year)	%	10.3	10.4	10.4

* Data of Kansai Transmission and Distribution, Inc. only

Sustainabilit	y for the Kansai Electric Power Gro	oup
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Kansai Electric Power Group

Social Governance

Environmental conservation cost

We practice and announce the results of environmental accounting for the Company and Kansai Transmission and Distribution, Inc. as well as those for our group companies, where the costs and effects of environmental conservation in our business activities are determined.

FY 2021 assessment

We invested a total of about 7.5 billion yen in environmental conservation, a year-on-year decrease of about 0.4 billion yen, while the total cost amounted to about 16.17 billion yen, a year-on-year decrease of about 0.29 billion yen, due to a lower radioactive waste processing cost, etc.

Environmental conservation costs (100 million yen)

	Inves	Investment Expenses		enses	
Category	FY 2020	FY 2021	FY 2020	FY 2021	Major items
1. Global environmental conservation costs (CO2 reductions, etc.)	0.0	0.0	2.0	2.0	SF6 gas collection
2. Local environmental conservation costs	76	70	38.5	38.3	
					Radiation control and measurement
(1) Measuring/monitoring environmental impact	5.3	2.3	14.7	13.7	Air quality concentration measurement
					Marine area surveys
(2) Pollution control (air pollution, water contamination, oil leakage, etc.)	70.2	68.2	17.1	18.2	Air pollution control measures, water contamination prevention measures
(3) Nature conservation	0	0	6.8	6.3	Revegetation
3. Costs to build a circular economy	3.5	4.5	119.6	118.3	
(1) Industrial waste processing, recycling	3.4	4.5	48.4	52.1	Industrial waste processing, PCB processing
(2) General waste processing, recycling	0	0	0.1	0.0	Paper recycling
(3) Radioactive waste processing	0	0	71.2	66.0	Low-level radioactive waste processing
(4) Green purchasing	0.0	0.0	0.0	0.0	Research-related work
4. Environmental management costs	0	0	0.7	0.6	Environmental reports
5. R&D costs	0.2	0	3.5	2.4	Load leveling, environmental conservation, energy savings and recycling, natural energy
6. Other costs	0	0	0.2	0.2	Research Center repairs
Total	79.2	75.0	164.6	161.7	
Total capital investment during the period	6,558	5,229			
Operating expenses during the period			29,467	27,526	

Note: Based on the Environmental Reporting Guidelines (FY 2005 version) issued by the Ministry of the Environment. Depreciation is not calculated into expenses. Composite costs are tallied proportionally by one of three methods: (1) calculation of differences; (2) proportional division based on rational criteria; and (3) proportional division based on criteria of expediency. Costs involved in generating nuclear power are calculated with the sum of individual measures to protect the environment taken as environmental conservation costs (radiation control and measurement, low-level radioactive waste processing, etc.). Figures may not add up due to rounding off.

ENVIRONMENT

Kansai Electric Power Co., Inc. Kansai Tran

Social

Governance

• Effects of environmental conservation

FY 2021 assessment

The CO₂ emission intensity in fiscal 2021 is estimated to be much lower than that in fiscal 2020. As a leading company in zero-carbon energy, we are committed to operating its nuclear power stations in a safe and stable manner while developing and promoting renewable energy.

These efforts have resulted in a significant reduction in CO₂ emissions, down 48% from fiscal 2013 levels.

SOx and NOx emission intensities also decreased year on year through the optimized use of sulfur and nitrogen scrubbers.

Effects of environmental conservation

Category	ltem (unit)	FY 2020	FY 2021	Year-on-year change	
	CO ₂ emissions (basic)	(10,000 t-CO ₂)	3,702	3,006	-696
1. Global environmental	CO ₂ emission intensity (basic)	(kg-CO2/kWh)	0.362	0.299	-0.063
conservation	CO2 emissions (after adjustment)	(10,000 t-CO ₂)	3,583	3,099	-484
	CO ₂ emission intensity (after adjustment)	(kg-CO2/kWh)	0.350	0.308	-0.042
	Air pollution control				
	SOx emissions	(t)	2,098	2,645	547
	SOx emission intensity	(g/kWh)	0.033	0.054	0.021
2. Local environmental conservation	NOx emissions	(t)	4,551	4,125	-426
	NOx emission intensity	(g/kWh)	0.072	0.084	0.012
	Landscape integration				
	Revegetation area	(1,000 m²)	3,102	3,168	66
	Industrial and other waste generated	(1,000 t)	567	681	114
3. Building a circular economy	Recycling rate for industrial waste, etc.	(%)	99.8	99.8	0.0
	Low-level radioactive waste	(Rods)	2,034	-1,577	-426

Note: CO₂ emissions: including from power supplied by other companies; CO₂ emission and CO₂ emission intensity: the results for FY 2021 are provisional and the actual CO₂ emission factor will be officially announced by the government in accordance with the Law Concerning the Promotion of the Measures to Cope with Global Warming, etc.; CO₂ emission factor: by the amount of power sold (adjusted CO₂ emissions include environmental value adjustments under the surplus solar power purchasing system and the renewable energy feed-in tariff system in addition to deduction reflecting carbon credits); SOx and NOx emissions: only the Company's self-generated power; SOx and NOx emission factor: by the amount of power generated by thermal power plants of the Company; Low-level radioactive waste: Net generated amount – reduced amount)

Economic benefits from environmental conservation measures

FY 2021 assessment

Economic benefits increased approximately 2.8 billion yen from the previous year due to an increase of gain on sale of disused articles, etc.

Economic benefits from environmental conservation measures (100 million yen)

Category		FY 2020	FY 2021	Major items
Revenue	Operating revenues from recycling, etc.	43.7	71.5	Gain on sale of disused articles (recycling)
Cost savings	Cost savings from reuse, recycling, etc.	0.1	0.1	Cost savings from the purchase of recycled items
Total		43.8	71.6	

r Group Kansai Electric Power Co., Inc.

Social

Governance

• Environmental accounting (group companies)

Environmental accounting of group companies

The environmental accounting applies to 18 group companies that participate in the Kansai Electric Power Group Environmental Management Committee (as of FY 2021).

Environmental conservation costs (thousand yen)

Category	Major items	Inves	tment	Expenses	
Category	wajor terns	FY 2020	FY 2021	FY 2020	FY 2021
Costs for pollution control	Air, water and soil pollution prevention	0	7,690	51,593	54,634
Costs for resource recycling	General and industrial waste processing and recycling	0	0	1,325,428	1,461,799
Costs for management activities	Environmental protection efforts, environmental education and related activities at business places and in their neighborhoods	9,198	1,662	32,178	29,666
Costs for community activities	Contributions to and support of environmental protection activities and environmental protection organizations outside the company	0	0	0	0
Costs for research and development	Research and development of products, for example, that contribute to environmental protection	0	0	1,800	1,800
Costs related to environmental damages	Natural restoration, damage compensation, etc.	0	0	264	255
Other costs		_	_	0	0
Total		9,198	9,352	1,411,263	1,548,154

Environmental conservation effects (physical effects)

Category	ltem (unit)	FY 2020	FY 2021
	CO ₂ emissions (10,000 t-CO ₂)	12.1	16.9
Global and local environmental conservation	SOx emissions (t)	0.6	0.4
	NOx emissions (t)	55.7	59.1
Environmental management	ISO or other external certifications (locations)*	4	5
Building a circular economy	Industrial waste generated (1,000 t)	63.3	84.0

* Cumulative to end of fiscal year

Economic benefits from environmental conservation measures (million yen)

Category	Major items	FY 2020	FY 2021
Revenue	Operating revenues from recycling, etc.	25.9	194.9
Cost savings	Cost savings from reuse, recycling, etc.	0.4	0.4
Total		26.3	195.3

Sustainability for the Kansai Electric Power Group	Environment	Social	Governance
	Kansai Electric Pow	er Group Kansai Electric Power Co., Inc	Kansai Transmission and Distribution. Inc.

Management of chemical substances (PRTR)

		Releases (t/year)				
Name of targeted chemical substance	FY 2019	FY 2020	FY 2021			
	0.0	0.0	0.0			
Asbestos (specified)	(0.0)	(0.0)	(0.0			
	8.6	5.9	3.2			
Ethylbenzene	(8.6)	(5.9)	(3.2			
	0.0	0.0	0.0			
Ferric chloride	(0.0)	(0.0)	(0.0			
	12	9.1	3.7			
Xylene	(12)	(9.1)	(3.7			
	0.24 (mg-TEQ/year)	0.11 (mg-TEQ/year)	0.061 (mg-TEQ/year			
Dioxins (specified)	(0.24 (mg-TEQ/year))	(0.11 (mg-TEQ/year))	(0.061 (mg-TEQ/year)			
	_	<0.1	-			
1,2,4-trimethylbenzene	(-)	(<0.1)	(-			
	8.7	5.0	3.6			
Toluene	(8.7)	(5.0)	(3.6			
	<0.1	0.0	<0.			
Hydrazine	(<0.1)	(0.0)	(<0.			
	<0.1	<0.1	0.			
Benzenes (specified)	(<0.1)	(<0.1)	(0.			
	0.0	0.0	-			
Boron compound	(0.0)	(0.0)	(-			
	0.0	_	-			
PCB	(0.0)	(-)	(-			
	1.2	2.3	1.			
Methylnaphthalene	(1.2)	(2.3)	(1.			
	-	_	-			
Bromotrifluoromethane	(-)	(-)	(-			
	-	_	-			
Nonylphenoxypolyoxyethanol	(-)	(-)	(-			
	0.0	0.0	-			
Ethylenediaminetetraacetic acid	(0.0)	(0.0)	(-			
	-	_	0.0			
Manganese and its compounds	(-)	(-)	(-			
2,6-di-tert-butyl-p-cresol	(0.0)	(0.0)	(0.0			
n-Hexane	(0.0)	(0.0)	(0.0			

1

Sustainability for the Kansai Electric Power Group

Kansai Electric Power Group

Social

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

Governance

		Transfers (t/year)				
Name of targeted chemical substance	FY 2019	FY 2020	FY 2021			
	1.6	14	4.2			
Asbestos (specified)	(1.6)	(14)	(4.2)			
	<0.1	0.0	0.0			
Ethylbenzene	(<0.1)	(0.0)	(0.0)			
	0.9	0.0	0.0			
Ferric chloride	(0.9)	(0.0)	(0.0			
	0.4	0.0	0.0			
Xylene	(0.4)	(0.0)	(0.0)			
	0.0043 (mg-TEQ/year)	0.079 (mg-TEQ/year)	0.0019 (mg-TEQ/year			
Dioxins (specified)	(0.0043 (mg-TEQ/year))	(0.079 (mg-TEQ/year))	(0.0019 (mg-TEQ/year)			
	-	0.0	_			
1,2,4-trimethylbenzene	(-)	(0.0)	(
-	0.8	0.0	0.0			
Toluene	(0.8)	(0.0)	(0.0)			
Hydrazine	0.0	0.0	6.3			
Hydrazine	(0.0)	(0.0)	(6.3)			
	0.0	0.0	0.0			
Benzenes (specified)	(0.0)	(0.0)	(0.0)			
	0.0	6.9	_			
Boron compound	(0.0)	(6.9)	()			
	2.3	_	_			
PCB	(2.3)	(-)	()			
	0.0	0.0	0.0			
Methylnaphthalene	(0.0)	(0.0)	(0.0)			
	-	_	_			
Bromotrifluoromethane	(-)	(-)	(
	-	_	_			
Nonylphenoxypolyoxyethanol	(-)	(-)	()			
	0.0	0.0	_			
Ethylenediaminetetraacetic acid	(0.0)	(0.0)	()			
	-	_	0.3			
Manganese and its compounds	(-)	(-)	(0.3			
2,6-di-tert-butyl-p-cresol	(<0.1)	(<0.1)	(<0.1			
n-Hexane	(2.0)	(2.1)	(1.4			

Notes: • The chart shows total values reported in compliance with the PRTR Law. • "0" indicates no releases or transfers at targeted business sites. • "<0.1" indicates less than 0.1 t/year releases, etc. • "-" indicates no business sites targeted for totaling. • Significant figures are displayed in two digits. • The fource in parentheses includes the results of group companies (exclu

• The figures in parentheses includes the results of group companies (excluding those of some group companies)

ENVIRONMENT

Sustainability for the Kansai Electric Power Group	Environment	Social	Governance
	Kansai Electric Pow	er Group Kansai Electric Power Co. Inc.	Kansai Transmission and Distribution Inc

Radioactive substances, radioactive waste (non-consolidated)

	Fisc	al year	2019	2020	2021	Unit	
	Evaluated dose values for the	Mihama Nuclear Power Station	N.D.	N.D.	<0.001		
	public in the vicinity	Takahama Nuclear Power Station	N.D.	N.D.	<0.001	millisievert*1	
Gaseous (inert gases)	Ohi Nuclear Power Station	N.D.	N.D.	N.D.			
waste	Evaluated dose	Mihama Nuclear Power Station	N.D.	N.D.	N.D.		
	values for the public in the vicinity	Takahama Nuclear Power Station	N.D.	N.D.	N.D.	millisievert*1	
	of power plants (iodine)	Ohi Nuclear Power Station	N.D.	N.D.	N.D.		
	Evaluated dose	Mihama Nuclear Power Station	<0.001	<0.001	<0.001		
_iquid waste	values for the public in the vicinity	Takahama Nuclear Power Station	<0.001	<0.001	<0.001	millisievert*1	
	of power plants	Ohi Nuclear Power Station	<0.001	<0.001	<0.001		
		Mihama Nuclear Power Station	N.D.	N.D.	50000000		
	ve gaseous waste	Takahama Nuclear Power Station	N.D.	N.D.	7400000	becquerel*2	
discharge	ed (inert gas)	Ohi Nuclear Power Station	N.D.	N.D.	N.D.		
		Mihama Nuclear Power Station	N.D.	N.D.	N.D.		
	ve gaseous waste ed (iodine)	Takahama Nuclear Power Station	N.D.	N.D.	N.D.	becquerel*2	
aischarge		Ohi Nuclear Power Station	N.D.	N.D.	N.D.		
Radioactive liquid waste discharged (excluding tritium)		Mihama Nuclear Power Station	N.D.	N.D.	N.D.	+	
		Takahama Nuclear Power Station	N.D.	N.D.	N.D.	becquerel*2	
		Ohi Nuclear Power Station	N.D.	N.D.	N.D.		
		Mihama Nuclear Power Station	860000000000	1100000000000	1400000000000	+	
	ve liquid waste discharged	Takahama Nuclear Power Station	13000000000000	23000000000000	20000000000000	becquerel*2	
	ischargeu	Ohi Nuclear Power Station	56000000000000	660000000000000	34000000000000		
Radioacti	ive solid waste genera	ited (200-L drum equivalent)*4	12,312	13,223	10,089		
	• Mihama N	uclear Power Station	3,918	3,202	2,469	Equivalent	
	• Takahama	Nuclear Power Station	4,624	6,516	4,905	in drums	
	Ohi Nuclea	ar Power Station	3,770	3,505	2,715		
Radioacti	ive solid waste reduce	ed (200-L drum equivalent)*5	11,805	11,189	11,666		
	• Mihama N	uclear Power Station	2,946	2,409	2,196	Equivalent	
	• Takahama	Nuclear Power Station	3,959	5,715	5,451	in drums	
	Ohi Nuclea	ar Power Station	4,900	3,065	4,019		
		aste generated – Amount of d (200-L drum equivalent)*6	507	2,034	-1,577		
	• Mihama N	uclear Power Station	972	793	273	Equivalent	
	• Takahama	Nuclear Power Station	665	801	-546	in drums	
Ohi Nuclear Power Station		-1,130	440	-1,304			
	ive amount of solid ra uivalent)* ^{7*8}	dioactive waste stored (200-L	100,818	102,853	101,276		
	• Mihama N	uclear Power Station	27,144	27,938	28,211	Equivalent	
	• Takahama	Nuclear Power Station	44,888	45,689	45,143	in drums	
	Ohi Nuclea	ar Power Station	28,786	29,226	27,922		

N.D.: Not Detectable

*1 Millisievert (effective dose): unit indicating the degree of radiation's effect on the human body

*2 Becquerel: unit of radioactivity (one becquerel is defined as one nucleus decaying per second, representing the rate at which radioactive material emits radiation.)

*3 Notes 4-7 are for the storage status at power plants.

*4 The amount of solid low-level radioactive waste produced in the fiscal year.
*5 The total of amount of solid waste with low-level radioactivity reduced through incineration, etc. and transported out of facilities in the fiscal year.
*6 The net increase of solid waste with low-level radioactivity calculated by deducting the amount reduced from the amount generated in the fiscal year.

*7 Cumulative amount of low-level solid radioactive waste

*8 Totals might not match due to rounding after conversion to drum equivalent.

Sustainability for the Kansai Electric Power Group	Environment	nent Social		Governance
	Kansai Electric Pow	er Group	Kansai Electric Power Co., Inc.	 Kansai Transmission and Distribution, Inc.

• Environmental protection records at thermal power plants

	I	tem		Sakaiko Power Station	Nanko Power Station	Miyazu Energy Research Center	Kansai International Airport Energy Center	Maizuru Power Station	Gobo Power Station	Himeji No.1 Power Station 5, 6 U & GT 1, 2 U	Himeji No. 2 Power Station	Aioi Power Station	Ako Power Station
	Ма	in fuel		L	L	Heavy/crude	Kerosene	Coal	Heavy/crude	L	L	L	Heavy/crude
		Amount emitted	Air Pollution Control Law (total amount regulation)	84	98	306*1	13	515* ¹	6,510*3	129	195	2,757*3	2,158*3
		hourly	Agreed value	-	_	112	-	255	184	-	-	165	180
		(m³N/h)	Actual value	—	_	Stopped	—	186	90	-	-	0	62
	Sulfur	Amount emitted daily	Agreed value	10.1	_	_	_	-	-	-	-	_	_
	oxides	(t/d)	Actual value	_	_	_	—	-	-		_	_	_
		Amount emitted	Agreed value	940	-	492 × 10³m³N	_	1,523 × 10³m³N	970 × 10³m³N	_	_	885 × 10³m³N	650 × 10³m³N
		annually (t/y)	Actual value	-	_	Stopped	_	815 × 10³m³N	46.650 × 10³m³N	-	_	0.263 × 10³m³N	64.7 × 10³m³N
		Amount emitted	Air Pollution Control Law (total amount regulation)	625	255	_	_	_	_	_	_	_	_
Air		hourly	Agreed value	-	_	58	-	244	110	123.5	70.8	85	94
quality		(m³N/h)	Actual value	41.9	31	Stopped	-	216	47	45	63	41	69
related	Nitrogen	Amount emitted daily	Agreed value	7.7	1.8	-	-	-	-	_	-	-	-
	oxides (t/d)		Actual value	1.8	0.8	-	—	-	-	_	-	-	-
		Amount emitted	Agreed value	1,420	400	244 × 10³m³N	_	1,457 × 10³m³N	560 × 10³m³N	701 × 10³m³N	497 × 10³m³N	390 × 10³m³N	340 × 10³m³N
		annually (t/y)	Actual value	404	75	Stopped	_	1,285 × 10³m³N	43.981 × 10³m³N	93.64 × 10³m³N	262 × 10³m³N	23.0 × 10³m³N	102.6 × 10³m³N
			Air Pollution Control Law	0.04	0.03	0.05	0.05	0.1	0.07	0.05	0.05	0.07	0.05
	Soot particles	Emission concentration (g/m ³ N)	Agreed value	0.02	Not emitted	0.014	_	0.009	0.01	_	_	0.015	0.015
		(3,)	Actual value	<0.002	<0.002	Stopped	-	0.005	0.002	-	<0.002	0	0.004
	Hydrogen ior		Water Pollution Control Law and ordinances	5.8-8.6	5.0-9.0*2	5.0-9.0	_	5.0–9.0	_	5.0–9.0	5.0-9.0	5.0-9.0	5.0-9.0
	concentration		Agreed value	_	_	5.8-8.6	—	5.8-8.6	5.8-8.6	5.8-8.6	5.8-8.6	5.8-8.6	5.8-8.6
			Actual value	7.7	8.2	5.8-8.0	—	6.5–7.5	6.2–8.1	7.0–7.7	6.9–7.7	6.7–7.5	6.2–7.5
		Highest	Water Pollution Control Law and ordinances	12	_	160	_	160	_	70	70	70	70
		concentration (mg/L)	Agreed value	-	-	15	-	15	10	15	15	15	15
	Chemical	(119/1)	Actual value	3.2	_	7.8	-	5.2	6.7	1.8	6.6	3	2.9
Water	oxygen demand	Pollution load	Water Pollution Control Law and ordinances	209.2	_	_	_	_	_	38.8	54.6	67.8	85.5
quality related		amount (kg/d)	Agreed value	_	_	20.8	_	22	36.8	15.2	35	18	22.4
		, in the second	Actual value	21.45	_	0.2	-	5.80	19.6	2.4	22.2	3.1	2.4
	Amount of	Highest	Water Pollution Control Law and ordinances	50	600*2	200	_	200	_	90	90	90	90
	suspended solids	concentration (mg/L)	Agreed value	—	_	20	-	15	20	20	20	20	20
		(Actual value	<5	8	3	-	3	1.1	1	<5	1	<1
	Amount of inclusion of	Highest	Water Pollution Control Law and ordinances	2	4*2	5	_	5	_	5	5	5	5
	n-hexane extractable	concentration (mg/L)	Agreed value	_	_	1	-	1	1	1	1	1	1
	substances		Actual value	<1	<1.0	0.7	-	<1.0	0.4	0.1	<1	0.1	<0.5

*1 Regulated value of Kyoto Prefecture ordinance execution rules to protect and nurture the environment *2 Regulated value of Osaka City sewer ordinance execution rules *3 Regulated K value



Sustainability for the Kansai Electric Power Group	Environment	Social	Governance
	Kansai Electric Pow	Kansai Electric Power Co., Inc.	Kansai Transmission and Distribution. Inc.

Status overview of our business activities and environmental load (FY 2021 results)

Input Fuels for power generation 3,597,000 t (dry coal weight) Coal Fuels for thermal power generation Heavy oil 683,000 kL 176,000 kL Crude oil LNG (liquefied natural gas) 4,319,000 t Wood pellets 3,000 kL (heavy oil equivalent) 181,000 kL Other (heavy oil equivalent) Fuels for nuclear power 30 tU generation (weight of pre-irradiation uranium) Water for power generation Industrial water 2.51 million m³ 1.28 million m³ Clean water River water, groundwater, etc. 0.44 million m³ Seawater (desalinated) 2.79 million m³ Resources Limestone 71,000 t Ammonia 7,000 t Office Office electricity 72 GWh 0.39 million m³ Office water 521 t Copy paper Vehicle fuels Gasoline 1,400 kL Diesel oil 400 kL



Note 1: Totals may not sum due to rounding.

Note 2: Thermal power generation figures do not include biomass power generation.



- *2 The results for FY 2021 are provisional; the actual CO₂ emission factor will be officially announced by the government in accordance with the Law Concerning the Promotion of the Measures to Cope with Global Warming, etc.
- *3 Emissions reflecting carbon credits, etc.
- *4 CO₂ conversion

Output				
Released into at	mosphere			
CO ₂ (carbon dioxide) ^{#1+2} 3((3) N ₂ O (nitrous oxide) ^{#4} SF ₆ (sulfur hexafluoride) ^{#4} SO _X (sulfur noxides) NO _X (nitrogen oxides)	0,060,000 t-CO2*2 0,990,000 t-CO2 23,000 t-CO2 38,500 t-CO2 2,645 t 4,125 t			
Released into w COD emissions Total effluents	vater areas 23 t 4.12 million m ³			
Radioactive	waste			
Low-level radioactive waste generated*	-1,577 drums			
* Net generation (genera reduced amount)	ted amount –			
Industrial was	ste, etc.			
Total amount	681,000 t			
Becycling Reduction in intermediate treatmen Final disposal Recycling rate	680,000 t t 0 t 1,200 t 99.8%			
CO ₂ emissions resulting fro	_			
Total emissions Office electricity (0.308 kg-CO ₂ /kWh) Office water (0.23 kg-CO ₂ /m ³) Vehicle fuels (Gasoline: 2.322 kg-CO ₂ / (Disel oli: 2.585 kg-CO ₂)	90 t-CO ₂ 5,637 t-CO ₂			
(Diesel oil: 2.585 kg-CO ₂	/L)			

• The figures in parentheses refer to CO₂ emission factors, while the figure for office electricity is the emission factor after reflecting carbon credits, etc.

Electric power sold

Customers

100.7 TWh

Social

Kansai Electric Power Co., Inc.

Governance

Kansai Transmission and Distribution, Inc.

Environmentally Friendly Business ENVIRONMENT

Policy and Concept

Further developing and leveraging renewable energy

Our Group, as a leading company in zero-carbon energy, is committed to proactively developing renewable energy based on its improved development promotion system, focusing on offshore wind power generation, which has great development potential.

Through investment of a total 1 trillion yen in domestic projects, we aim to develop 5 GW scale of new development and to achieve 9 GW scale of cumulative capacity by 2040.

On the domestic front, for example, we focus on increasing output of existing hydropower stations and promoting solar power, onshore wind power, offshore wind power, biomass power and geothermal power generation, the total capacity of which stands at about 3.56 GW as of the end of March 2022. We also focus on commercializing projects in the development stage. In addition, we are committed to helping customers and society achieve zero carbon by contributing to local communities and supplying power sources that are either developed or acquired while reducing power generation costs to become independent from the FIT system.

Goals

• Advancing efforts to control CO₂ emissions

- Keep the top spot for the amount of zero-carbon power generation in Japan
- Halve CO₂ emissions associated with power generation in Japan in FY 2025 (compared to FY 2013)

Further development and utilization of renewable energy

• Achieve 5 GW scale of new development and 9 GW scale of cumulative capacity in Japan by 2040

Efforts

Status of domestic development in fiscal 2021

- Work to improve Unit 2 and Unit 1 at the Maruyama Power Station started in December 2016 in the above order, followed by commencement of commercial operation in April 2021. This improvement work was designed to reinforce and elevate conduit structures and replace turbines and generators in preparation for a water surface elevation of 6.5 meters caused by the Shin Maruyama Dam (to be constructed by the Ministry of Land, Infrastructure, Transport and Tourism). As a result, the permitted output increased by 3,000 kW to 141,000 kW*.
- * The permitted output will increase further to 153,000 kW, following completion of the Shin Maruyama Dam in 2029.
- In May 2021, the Company signed a comprehensive partnership agreement with Eco Style Co., Ltd. (headed by Masataka Kinoshita, president and executive officer) to offer renewable energy solutions, with a commitment to creating a zero-carbon society and promoting renewable energy.
- The Company, Osaka Gas Co., Ltd. and Development Bank of Japan jointly acquired Shizukuishi Solar Power Plant, Haru Mito Solar Power Plant, and Komatsu Solar Power Plant in June 2021, and Misawa Solar Power Plant in July 2021. These solar power plants in Japan were previously owned by the Canadian renewable energy power generation company Etrion Corporation.
- In June 2021, a consortium including the Company was selected as an operator by public offering for an offshore wind power project located off the coast of Goto City, Nagasaki Prefecture.
- In August 2021, the Company signed a partnership agreement with RWE Renewables Japan to study the feasibility of a large-scale floating offshore wind project.
- In September 2021, the Company took a stake in the CEF Tsuyama Wind Farm, an onshore wind farm project in Tsuyama City, Okayama Prefecture.
- In February 2022, the Kansai Electric Power Group started commercial operation of the Kanda Biomass Power Plant.
- In March 2022, the Company submitted documents on planning-stage primary environmental impact considerations, etc. to the Ministry of Economy, Trade and Industry in compliance with the Environmental Impact Assessment Act, followed by consultation with prefectural governors from Saga, Nagasaki, and Fukuoka. The objective was to study the development of an offshore wind farm project located off the coast of Karatsu City, Saga Prefecture.

Sustainability for the Kansai Electric Power Group	Environment	Social		Governance
	Kansai Electric Pow	er Group Kansai Electri	c Power Co., Inc.	(Kansai Transmission and Distribution, Inc.)

• Expansion of renewable energy projects overseas

Our Group is participating in 11 overseas renewable energy projects with total 1.09 GW* share equivalent installed capacity. Of these projects, two offshore wind projects in the UK commenced commercial operation in April 2022, and an onshore wind project in Finland commenced commercial operation in June 2022.

* As of the end of June 2022, projects under development included.



Triton Knoll Offshore Wind Power Project in the UK



Piiparinmäki Onshore Wind Farm Project in Finland

 Our Group have 4.246 GW of share equivalent renewable energy capacity in operation inside and outside Japan (as of the end of FY 2021)

Performance data

Deve	elopme	nt and promotion of renewable energy	Unit	FY 2019	FY 2020	FY 2021
Development and promotion	of	Capacity of facilities that have begun operation (completed construction)	_	388.58 (43.00)	414.17 (68.50)	424.63 (68.50)
renewable ener		Projects underway		54.02 (23.20)	61.30 (26.40)	70.40 (40.40)
		Aggregate capacity	442.60 (66.20		475.47 (94.90)	495.03 (109.00)
	• Solar	r power generation	10,000 kW	8.17 (0.00)	11.31 (0.00)	13.06 (0.00)
	• Wind	d power generation		30.95 (28.60)	59.65 (57.30)	77.36 (71.50)
	• Hydr	ropower generation		377.80 (37.60)	378.84 (37.60)	378.95 (37.50)
	Biomass power generation			25.67 (0.00)	25.66 (0.00)	25.66 (0.00)
	• Geot	hermal power generation		0.01 (0.00)	0.01 (0.00)	0.01 (0.00)

The figures in parentheses represent those for overseas projects.

Note: Components may not add to the total due to rounding of figures.

Social

Governance

Kansai Transmission and Distribution, Inc.

Climate Change

ENVIRONMENT

Policy and Concept

Social background

Countries are carrying out actions against climate change aiming to achieve their greenhouse gas reduction targets under the Paris Agreement, which sets the framework for climate change mitigation. The Japanese government reviewed the Strategic Energy Plan, the Long-term Strategy under the Paris Agreement (as a growth strategy) and the Plan for Global Warming Countermeasures. Accordingly, targets were set to achieve carbon neutrality by 2050 and reduce greenhouse gas emissions in fiscal 2030 by 46% below fiscal 2013 levels.

<Addressing TCFD Recommendations>

In May 2019, our Company declared our support for the recommendations of the Task Force on Climate-related Financial Disclosures or TCFD*. Recognizing the size of the impacts that our Group business activities have on the global environment, we declare our support for the TCFD Recommendations to "analyze and disclose business risks and opportunities originating in climate change over the medium and long terms in order to reduce risks of financial market destabilization."

Refer to page 29 of the Integrated Report for details about scenario analysis, etc.

* TCFD was established by the Financial Stability Board, which is an international agency that has central banks, financial regulatory authorities and other organizations from major countries as members. In total, 3741 organizations around the world, including financial institutions, businesses and governments, declared their support for the TCFD Recommendations as of August 31, 2022.

Targets and efforts to achieve them

The Kansai Electric Power Group is committed to carbon neutrality by 2050 throughout the entirety of our business activities, including the power generation business, as declared in the Zero Carbon Vision 2050 and the Zero Carbon Roadmap, which provides a pathway to zero carbon. Specific measures to reduce CO₂ emissions include transforming renewable energy into the main power source, leveraging nuclear power to the fullest, achieving zero carbon in thermal power generation, using zero-carbon hydrogen, and optimizing power grids to support these measures. At the same time, we will provide various solutions (electrification, storage batteries, etc.) to help customers and society reduce their CO₂ emissions. The Zero Carbon Roadmap, meanwhile, includes an interim target for fiscal 2030 toward the FY 2050 goal. Specifically, our voluntary measures aim to halve CO₂ emissions associated with power generation in fiscal 2025 compared to fiscal 2013 to maintain our status as front runners in reduction rates thereafter and to completely electrify over 5,000 vehicles owned by the Group. To better serve customers and society, moreover, we are committed to decreasing the CO₂ emission factor of electricity supplied to customers to industry-leading levels and providing customers and society with various services to help reduce CO₂ emissions by over 7 million tonnes.

We also aim to invest a total of as much as 1 trillion yen in renewable energy development in Japan by 2040, which translates into a newly installed capacity of 5 GW and a cumulative installed capacity of approximately 9 GW. Furthermore, as a member of the Electric Power Council for a Low Carbon Society (ELCS), which was established by a consortium of electric companies including the Company, we are contributing to the ELCS initiatives as well by working on these Group endeavors.

Goals

Advancing efforts to control CO₂ emissions

- Keep the top spot for the amount of zero-carbon power generation in Japan
- Halve CO_2 emissions associated with power generation in Japan in FY 2025 (compared to FY 2013)
- Continuing safe and stable operation of nuclear power plants^{*1}

Operation of nuclear power plants with top priority placed on safety

- Further development and utilization of renewable energy
 - Achieve 5 GW scale of new development and 9 GW scale of cumulative capacity in Japan by 2040
- Maintaining and improving the thermal efficiency of thermal power plants*1

Achieve benchmark indicators*2 (A: 1.00, B: 44.3%)

- *1 Targets and results apply only to the Kansai Electric Power Co., Inc.
- *2 Indicators based on the benchmark system of the Law Concerning the Rational Use of Energy

- Reducing transmission and distribution loss
 To be maintained and reduced
- Promoting use of innovative forms of energy among customers and communities
 - Contribute to making energy use by customers and society more sophisticated
- Limiting SF₆ emissions (calendar year basis) (gas recovery rate upon inspection/removal of equipment)
 - 97% (upon inspection)
 - 99% (upon removal)

Sustainability for the Kansai Electric Power Group	Environment	Social	Governance
	Kansai Electric Pow	er Group Kansai Electric Power Co., In	c. Kansai Transmission and Distribution, Inc.

Efforts

Our Group's CO₂ emissions associated with power generation in Japan

The Group's CO₂ emissions originating from its domestic power generation amounted to around 25.4 million tonnes in fiscal 2021; emissions have been on the decline since the benchmark year of 2013. As a leading company in zero-carbon energy, we are committed to safe, stable operation of nuclear power plants and development and promotion of renewable energy. These efforts have resulted in a 48% reduction in CO₂ emissions from the levels in 2013.



• Continuing safe and stable operation of nuclear power plants

As a power source that emits no CO₂, nuclear power generation is key to tackling global warming. With the understanding of residents from relevant local communities, we ensure safe and stable operation of restarted plants, gearing up to resume operations of suspended plants that have been confirmed to be safe. Dealing appropriately with investigations conducted by the Nuclear Regulation Authority, we will continuously promote voluntary safety measures that go beyond regulatory requirements.

Maintaining and improving the thermal efficiency of thermal power plants

We continuously undertake measures related to facilities and operation, working to reduce the amount of fuel used and suppress CO₂ emissions by maintaining and improving thermal efficiency.

Our Himeji No. 2 Power Station, one of our largest natural gas-fired thermal power plants, employs a combined-cycle power generation with advanced 1,600°C class gas turbines. We are working to suppress CO₂ emissions by increasing thermal efficiency to about 60%, which is the highest global standard, and reducing the amount of fuel used. Moreover, at Units 1 and 3 of the Aioi Power Station, in addition to the heavy oil and crude oil we had been using, we began using natural gas, which is less expensive and better for the environment, in 2016.

Biomass power generation project at Aioi Power Station Unit 2

Maximizing the use of its Aioi Power Station Unit 2, Aioi Bioenergy Corporation* is converting the power station into one of the largest biomass power generation plants in Japan. Construction is on schedule for commercial operation in January 2023, with the plant expected to contribute to achieving low-carbon energy.

* Aioi Bioenergy Corporation is jointly established by the Kansai Electric Power Co., Inc. and Mitsubishi Corporation Clean Energy Ltd.

Support projects at the Maizuru Power Station for the R&D of CO₂ Capture System and for the CO₂ Marine Transport Technology Development and Demonstration

We support an entity*1 involved in a NEDO*2 project where the feasibility of treating coal-fired emissions with solid sorbent system CO₂ capture technology*3 is studied, providing a site for testing facilities at our Maizuru Power Station for future demonstrations. The solid sorbent system to be demonstrated is potentially a great deal more energy efficient than its conventional counterparts in capturing CO₂ and hence is considered promising next-generation capture technology. The construction of demonstration facilities started on July 1, 2021, with the commissioning run starting in fiscal 2022, followed by demonstrations in fiscal 2023.

We also support an entity^{*4} involved in an additional NEDO project^{*5} at our Maizuru Power Station to develop bulk CO₂ marine transport technology where R&D/demonstration sites are provided. The project, which involves CO₂ liquefaction at the shipping base, includes 1) R&D of liquefied CO₂ marine transport technology, 2) demonstrations of annual 10,000 tonne scale of CO₂ marine transport and 3) marine transport feasibility studies for CCUS purposes. Demonstrations of CO₂ marine transport are scheduled to start in fiscal 2024.

Through these initiatives, we are committed to reducing CO₂ emissions toward the realization of a decarbonized society.

*1 Kawasaki Heavy Industries, Ltd. Research Institute of Innovative Technology for the Earth (RITE)

*2 New Energy and Industrial Technology Development Organization

*4 Japan CCS Co., Ltd., Engineering Advancement Association of Japan, Itochu Corporation, Nippon Steel Corporation

*5 CCUS R&D and demonstration project / Large-scale CCUS demonstration in Tomakomai / Technological development and demonstration of CO₂ shipping

^{*3} CCUS R&D and demonstration project / R&D of CO2 capture technology / Feasibility study of treating coal-fired emissions with advanced solid sorbents

Governance

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

Encouraging efficient energy use

With the goals of realizing energy conservation, cost cutting and CO₂ reduction for our customers and society, we are offering high-efficiency systems that utilize renewable energy sources and heat pump technologies, as well as proposing effective operation procedures. We are also providing total support for energy management to customers and other members of society and undertaking activities that serve these purposes, including the services for visualizing energy use.

Social

The solution offered to residential customers is "total electric conversion," which, through efficient use of energy, can make our lives more comfortable and convenient. Specific products and services include an energy-efficient hot water supply system (EcoCute), safe, comfortable and convenient electric appliances (IH cooking heaters, etc.), and power consumption visualization (Hapi e-Miruden). The internet-based service Hapi e-Miruden monitors the amount and rate of electricity and gas consumed. By entering data on utility costs the system can automatically indicate the total household CO₂ emissions while providing useful information, such as tips on energy conservation according to registered equipment or power consumption patterns.

We are providing total support for the energy management of our business customers. We offer proposals for energy systems that are optimized to their various needs, including making energy use more efficient, and explain how to operate these systems. We also work with other group companies to provide a range of services such as energy conservation diagnoses and energy management support appropriate to the customer's facility usage patterns. We remain committed to helping our customers minimize their energy consumption, achieve cost savings, and reduce their CO₂ emissions.

Adoption of smart meters

Kansai Transmission and Distribution, Inc. is systematically introducing smart meters. In addition to making amounts of electricity use visible to customers, installing smart meters contributes to the energy conservation of society as a whole, and enables formation of facilities efficiently according to the conditions of electricity use, among other benefits. We have completed installation of smart meters for customers that receive high-voltage and extra-high-voltage electricity, and we plan to install them for every customer that receives low-voltage power by fiscal 2022.

Group companies' renewable energy programs

Kanden Energy Solution Co., Inc. leverages its solar, wind and biomass power plants to decarbonize energy systems. Moreover, as a comprehensive energy business operator, we are promoting distributed renewable energy sources, storage batteries, and energy conservation, particularly by upgrading and standardizing energy management systems, thereby helping customers and society achieve zero-carbon emissions.

Major achievements

Solar power generation

Arida Solar Power Station (Arida City, Wakayama Prefecture) The Arida Solar Power Station is the Group's largest solar power station with about 150,000 solar panels installed across a large area.



Power output	29,700 kW
Generated energy	Approx. 31 GWh/annum (Equivalent to the annual consumption by 10,000 standard households)
CO ₂ emission reduction	Approx. 16,000 tonnes/annum*
Total site area	Approx. 45 ha
Commencement	October 2015

Wind power generation

Awaji Wind Power Station (Awaji City, Hyogo Prefecture) While harmonizing with the community, this station operates by utilizing the wind blowing through the hills in northern Awaji City.



Power output	12,000 kW (6 turbines @2,000 kW)
Generated energy	Approx. 20 GWh/annum (Equivalent to the annual consumption by 6,500 standard households)
CO ₂ emission reduction	Approx. 7,000 tonnes/annum*
Commencement	December 2012

* The reduction in CO₂ emissions was a figure calculated upon commencement of operations.

Sustainability	for the	Kansai E	lectric	Power	Group

Social

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

Governance

Performance data

	GHG emissions	Unit	FY 2019	FY 2020	FY 2021
Direct greenhouse gas emissions (Scope 1)*1*2			2,663.2	2,857.2	2,377.1
Indirect greenhouse gas emissions (Scope 2)*1*3			0.5	0.6	0.5
Other indirect greenhouse gas emissions (Scope 3)*1*4			2,063.4	1,882.2	1,738.7
	Category 1*5 Category 2*6 Category 3*7		142.7	159.9	143.4
			129.3	158.8	99.9
			1,789.6 (2,900.0)	1,561.6 (2,890.9)	1,146.0
	Category 4*8	Category 4*8	0.0	0.0	0.0
	Category 5*9	10,000 t-CO ₂	1.0	1.0	1.1
	Category 6*10	10,000 t-CO2	0.3	0.2	0.2
	Category 7*11		0.6	0.6	0.6
	Category 8*12		—	_	_
	Category 9*12		_	_	
	Category 10*12		_	_	_
	Category 11*13		_	_	347.5
	Category 12*12		_	_	_
	Category 13*12		_	_	_
	Category 14*12			_	_
	Category 15*12				

The amount of greenhouse gases emitted in our entire supply chain is calculated in accordance with the Basic Guidelines on Accounting for Greenhouse Gas Emissions Throughout *1 the Supply Chain (ver. 2.4) issued by the Ministry of the Environment and the Ministry of Economy, Trade and Industry.

Direct GHG emissions (Scope 1) refer to emissions (energy-derived CO₂, SF₆ and N₂O emissions) reported by electric companies in line with the Law Concerning the Promotion of the *2 Measures to Cope with Global Warming along with CO2 emissions from transportation fuel use, which are excluded from the reporting obligations. SF6 emissions, which are factored in, are based on calendar year.

*3 Indirect GHG emissions (Scope 2) include CO₂ emissions originating from electricity and heat purchased from external corporations, which should be reported by electric operators in line with the Law Concerning the Promotion of the Measures to Cope with Global Warming.

*4 Indirect emissions not covered by Scope 1 or Scope 2 (emissions from other corporations related to the business activities of the company concerned)
 *5 Product/service price (purchased or obtained) × emission intensity

Capital goods price × emission intensity *6

Fuel consumption × emission intensity + electricity purchased externally × emission factor *7 With the revision of the interpretation of the Basic Guidelines on Accounting for Greenhouse Gas Emissions Throughout the Supply Chain (Ministry of the Environment/Ministry of Economy, Trade and Industry), we reviewed our performance in fiscal 2019 and 2020. The figures in parentheses represent values calculated before the revision. *8 Fuel consumption × emission intensity

*9 Waste disposal volume × emission intensity + fuel consumption × emission intensity

*10 Number of employees × emission factor

*11 (City classification-based) Σ (number of employees \times operating days \times emission intensity)

*12 Not applicable because of specific to our business

*13 Total gas sales × Emission intensity Included in calculation from fiscal 2021

The Group's CO2 emissions and their factors associated with power generation in Japan	Unit	FY 2019	FY 2020	FY 2021
CO ₂ emissions*1	10,000 t-CO2	2,850	3,040	2,540
CO ₂ emission factor (at the generation end) (per power generation output)*2	kg-CO2/kWh	0.287	0.334	0.266

*1 CO2 emissions refer to those produced by fuel combustion at the Group's thermal power plants in Japan.

*2 CO2 emission factor (at the generation end) corresponds CO2 emissions per kWh of the Group's domestic power generation business

• CO₂ emission factor (at the generation end) = CO₂ emissions of the Group's domestic power generation business \div amount of power generated

CO ₂ emissions and retail emission factors of our Company	Unit	FY 2019	FY 2020	FY 2021
CO ₂ emissions (before adjustment)*1	- 10,000 t-CO2	3,844	3,702	3,006
CO ₂ emissions (after adjustment)*2	10,000 t-CO2	3,594	3,581	3,099
CO ₂ emission factor (energy used) (before adjustment) (per amount of electric power sold)*3	- ka-CO₂/kWh	0.340	0.362	0.299
CO ₂ emission factor (energy used) (after adjustment) (per amount of electric power sold)*3	- Kg-CO2/KWII	0.318	0.350	0.308

*1 CO2 emissions refer to those produced by fuel combustion at the thermal power plants and include those for power purchased from other corporations.

*2 Adjusted CO₂ emissions include the environmental value adjustments under the surplus solar power purchasing system and the renewable energy feed-in tariff system.

• CO₂ emissions = CO₂ emissions (before adjustment) + CO₂ emissions (after feed-in tariff adjustment, etc.)

*3 CO2 emission factor (energy used) corresponds CO2 emissions per kWh of the Kansai Electric Power Co., Inc. electricity used.

 $\bullet \text{CO}_2 \text{ emission factor (energy used) (before adjustment)} = \text{CO}_2 \text{ emissions (before adjustment)} \div \text{ amount of electric power sold}$

• CO₂ emission factor (energy used) (after adjustment) = CO₂ emissions (after adjustment) ÷ amount of electric power sold *1,2,3 The results for FY 2021 are provisional; the actual CO₂ emission factor will be officially announced by the government in accordance with the Law Concerning the Promotion of the Measures to Cope with Global Warming, etc.

Sustainability for the Kansai Electric Power Group	Environment	Social	Governance
	Kansai Electric Pow	er Group Kansai Electric Power Co., In	c. (Kansai Transmission and Distribution, Inc.)

Greenhouse gases other than CO ₂	Unit	FY 2019	FY 2020	FY 2021
N2O (dinitrogen oxide)*1	10.000 t CO	2.3	2.3	2.3
SF6 (sulfur hexafluoride)*1*2	10,000 t-CO ₂	3.8	4.0	3.9

*1 The results were first made public in fiscal 2010. CO₂ equivalent *2 SF₆ emissions are based on the calendar year.

Utilization rate of nuclear power facilities and net thermal effciency of thermal power facilities	Unit	FY 2019	FY 2020	FY 2021
Utilization rate of nuclear power facilities*1	0/	48.4	28.0	61.0
Net thermal efficiency of thermal power facilities*2	%	48.6	47.8	48.2

*1 Utilization rate of nuclear power facilities = amount of power generated ÷ (permitted output × calendar hours) × 100 *2 Net thermal efficiency of thermal power facilities = (amount of power transmitted × quantity of heat per kWh) ÷ total amount of input heat (lowest heat value standard) × 100

Energy consumption		Unit	FY 2019	FY 2020	FY 2021
Total energy consumption*		1,000 GJ	460,063	494,045	380,842
	Coal		3,305	3,254	3,597
	Heavy oil	1,000 kL	48	210	683
	Crude oil		30	218	176
Thermal fuel consumption	LNG	1,000 t	6,502	6,814	4,319
	Wood pellets	1,000 kL	0.2	4	3
Other		(heavy oil equivalent)	202	298	181
Fuels for nuclear power generation (weight of pr	e-irradiation uranium)	tU	52	77	30

* These figures are reported to the government in accordance with the Act on the Rational Use of Energy. (Fossil fuel consumption, purchased electricity, and purchased heat)

Sustainability for the	Kansai Electric Power Group
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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	ste-related*1*2	Unit	FY 2019	FY 2020	FY 2021
Amount of indus	trial and other	wasta		621.3	566.7	680.8
Amount or mous		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
				(46.1)	(31.0)	(35.8)
	Demolition			18.1	17.1	16.4
	(waste con	crete utility poles, etc.)		(36.9)	(38.0)	(53.8)
	• Metal scrap)5		25.5	26.6	24.5
			1,000 t	(27.4)	(28.7)	(25.5)
	• Glass/cerar		.,	2.4	2.1	2.9
	(thermal in	sulation scraps, insulator scraps, etc.)		(4.7)	(4.0)	(5.6)
	• Waste oil			4.1	4.5	3.4
				(5.9)	(4.9)	(3.8)
	• Waste plas	ic		1.4	1.1	1.3
				(3.1)	(2.5)	(2.5)
	• (Repeated)	Ash and gypsum		553.2	498.6	608.7
	(nepeated)			(553.6)	(499.0)	(643.0)
	• Other			9.6	12.0	19.9
		[(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 indust	trial waste for la	andfill disposal		1.1	0.9	1.2
		•		(12.0)	(14.0)	(15.7)
	• Glass/cerar			0.19	0.15	0.66
	(thermal in	sulation scraps, insulator scraps, etc.)		(0.8)	(1.5)	(0.9)
	• Sludge (wa	stewater processing sludge, etc.)		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	ic		0.27	0.08	0.35
				(0.6)	(0.4)	(1.5)
	• Metal scrap	S		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 re	ecycling rate*3			99.8	99.8	99.8
			%	(98.1)	(97.7)	(97.9)
		Ash and gypsum waste recycling rate*3		100	100	100
				(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

Sustainability for the Kansai Electric Power Group

Environment

Social

Kansai Electric Power Co., Inc.

Kansai Transmission and Distribution, Inc.

Pollution Prevention

ENVIRONMENT

Policy and Concept

Steadily implementing local environmental protection measures, including preventing air and water pollution, dealing with asbestos issues and preserving biodiversity, we are also strictly managing chemical substances.

At our power plants, for instance, we undertake measures based on laws, local regulations, environmental protection agreements and other rules to reduce air pollution, water pollution, noise, vibrations, and other problems. In addition, we monitor and measure the air and ocean around our power plants and carefully evaluate the environmental effects of our operations on the regional environment to ensure that no problems occur.

Kansai Electric Power Group Environmental Policy 4. Protecting local community environments>

4. Protecting local community environments

At the Kansai Electric Power Group, we seek to prevent environmental pollution while working to strictly manage and reduce toxic chemicals in our business activities in order to promote the environmental protection of local communities.

Goals

Measures to prevent air pollution

Maintaining current sulfur oxide (SOx) emissions per power output

Emission factor: Maintaining the world's lowest levels, Emissions: Complying with the standards as agreed for each power plant Results: 0.027 g/kWh (consolidated), 0.054 g/kWh (thermal power generation), with all agreed standards met

Maintaining current nitrogen oxide (NOx) emissions per power output

Emission factor: Maintaining the world's lowest levels, Emissions: Complying with the standards as agreed for each power plant Results: 0.042 g/kWh (consolidated), 0.084 g/kWh (thermal power generation), with all agreed standards met

Measures to process PCB waste

Proper processing of PCB waste

Proceed with certainty to achieve processing before the legal deadline.

Efforts

Air pollution prevention measures (SOx, NOx, soot)

Our Company has implemented measures aimed at reducing the volume of SOx (sulfur oxides) emitted by our thermal power plants by using low-sulfur fuels, installing sulfur scrubbers, and other measures. To address the issue of NOx (nitrogen oxides), we are taking steps to lower emission levels, such as improving combustion methods and installing nitrogen scrubbers. As a result, our SOx and NOx emissions per unit of electric power generated are significantly lower than those of the major countries of Europe and North America, remaining among the lowest in the world. In addition, we have installed high-performance electrostatic precipitators that dramatically cut soot emissions.



SOx and NOx emission factors for thermal power generation of major countries and our Company



ity for the Kansai Electric Power Group	Environment	Social	Governance
	Kansai Electric Pow	er Group Kansai Electric Power Co., Inc.	Kansai Transmission and Distribution. Inc.

Handling chemicals

Sustainabilit

We regularly monitor the status of buildings and equipment that contain asbestos and systematically advance the removal of asbestos and replacement with non-asbestos products. In these ways, we are managing asbestos suitably as we strictly abide by related laws, regulations and other rules.

Moreover, in addition to abiding by the PRTR (Pollutant Release and Transfer Register) System, we are working actively to manage toxic chemicals strictly and to reduce them.

Use of asbestos in buildings and facilities

Items targeted		Type of use	Present conditions (usage)	
Blown-in materials containing asbestos		Acoustic insulation, thermal insulation, and fireproofing materials in company buildings; acoustic insulation for transformers	 Company buildings 262 buildings (about 4% of total) Acoustic insulation for transformers 20 units (about 1% of total) 	
	Building materials	Fireproofing panels, roofing materials, flooring for buildings, etc.	Company buildings May include building materials used before August 2006	
Asbestos- containing products	Asbestos- cement pipes	Duct wiring for underground wires (transmission, distribution, and communications facilities)	 Transmission ducts Approx. 659 km (route length) (about 42% of total length) Distribution ducts Approx. 575.9 km (route length) (about 11.7% of total length) Communications ducts Transmission and distribution: Approx. 5.2 km (route length) (about 26% of total length) Renewable energy: Approx. 0.2 km (route length) (about 5% of total length) 	
	Thermal insulation	Power generation facilities (thermal power facility, nuclear power facility)	 Remaining products containing asbestos Thermal power: Approx. 58,543 m³ (about 18% of total) Nuclear power: Approx. 1,910 m³ (about 20% of total) 	
	Sealing materials, gaskets	Power generation facilities (thermal power facility, nuclear power facility)	 Sealing materials (remaining products containing asbest Thermal power: Approx. 28,000 (about 29% of total) Nuclear power: Approx. 5,000 (about 3% of total) Gaskets (remaining products containing asbestos) Thermal power: Approx. 3,800 (about 10% of total) Nuclear power: Approx. 10,000 (about 5% of total) 	
	Buffers	Suspension insulators for transmission facilities, etc.	 Transmission facilities Approx. 570,000 (about 12% of total) Distribution facilities 2,064 (about 3% of total) 	
	Thickeners	Electric wire for overhead transmission lines, hydroelectric dams	 Transmission facilities Approx. 229 km (route length) (about 2% of total length) Part of asphalt-surface impervious wall for dam structure 1 facility (Tataragi Dam) 	
	Insulation materials	Main motors and main circuit fuses of electric locomotives	 Main motor: 4 locomotives (4 units/locomotive) Main circuit fuse: 4 locomotives (1 unit/locomotive) 	

Note: The figures in the table reflect the use of asbestos in buildings and facilities as of the end of March 2022.

• Safe, proper disposal of PCB

In line with relevant laws and regulations such as Law Concerning Special Measures Against PCB* Waste, we have a program in place to dispose of all equipment containing PCB (transformers, capacitors, fluorescent ballasts, etc.) safely and properly according to their characteristics.

Disposal of high-level PCB

Equipment containing PCB (transformers, capacitors, fluorescent ballasts, etc.) is investigated retrospectively, referring to information on high-level PCB provided by the government and electric manufacturers; high-level PCB, if identified, is disposed of by the Japan Environmental Storage & Safety Corporation (JESCO) in accordance with the national PCB Waste Treatment Basic Plan. As the deadline is approaching for the disposal of high-level PCB at the Group's business locations, we are currently working to complete proper disposal of all high-level PCB waste located and stored through an on-going search before expiration of the deadline.

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

Disposal of low-level PCB

We established the Recycling Center for Utility Pole Transformers in 2003 while soliciting consent from local residents and municipalities on disposal of low-level PCB; insulating oil and transformer cases contaminated with PCB were detoxified for recycling purposes, with treatment of these materials in storage completed by July 2015.

Social

Meanwhile, equipment containing insulating oil (transformers in operation at power plants and substations, pole transformers in distribution facilities, etc.) is routinely inspected for maintenance purposes (regardless of the presence or absence of PCB) to ensure proper operation. Additionally, measures are in place in the event of the unplanned release of insulating oil due to natural disasters (typhoons, lightning strikes, etc.), where spillages are prevented and contamination is contained to minimize impacts on the environment.

Moreover, all equipment in operation is inspected for possible PCB contamination and properly treated according to its type, size and PCB levels, leveraging certified detoxifying business contractors authorized by the Minister of the Environment (Kanden Engineering Corporation's Solvent Cleansing Method, etc.), treatment facilities operating under license from prefectural governors, and the energized natural circulation washing technology in compliance with government procedures.

* Poly Chlorinated Biphenyl. PCB was widely used for transformer insulating oil, etc. because of its excellent properties as an electrical insulator. However, due to PCB being a hazard to ecosystems, production and use have since been largely banned. More often than not, high-level PCB was intentionally used while low-level PCB was accidentally mixed in.

Performance data

Atmospheric emissions and drainage*1		Unit	FY 2019	FY 2020	FY 2021
SOx emissions*2			2,138	2,098	2,645
		L	(2,138)	(2,099)	(2,646)
SOx emission intensity (at the generation end)*3			0.021	0.023	0.027
SOx emission intensity (per thermal power output) (at the generation end)*4		g/kWh	0.036	0.033	0.054
NOx emissions* ⁵			4,414	4,551	4,125
		t	(4,474)	(4,607)	(4,184)
NOx emission intensity (at the generation end)*6			0.043	0.049	0.042
NOx emission intensity (per thermal power output) (at the generation end)* ⁷		g/kWh	0.074	0.072	0.084
Ozone depletion emissions			1,153	314	394
	HCFC	t-CO ₂	690	263	72
	Other		463	577	466
COD emissions* ⁸		+	22	23	23
		t	(23)	(23)	(23)
Amount of PCB waste		1,000 t	6.6	10.7	18.9
		1,000 t	(6.7)	(10.7)	(18.9)

*1 The figures in parentheses include the results of group companies (excluding those of some group companies)

*2 This is calculated from amounts of sulfur in fuel as well as SOx concentrations in gas emissions (measured values) and gas emission volumes. (Some previous fiscal year amounts were calculated from the amount removed by desulfurization equipment.)

*3 SOx emission intensity (at the generation end) = SOx emissions ÷ power output (at the generation end)

*4 SOx emission intensity (per thermal power output (at the generation end)) = SOx emissions ÷ thermal power output (at the generation end)

*5 This is calculated from SOx concentrations in gas emissions (measured values) and gas emission volumes.

*6 NOx emission intensity (at the generation end) = NOx emissions ÷ power output (at the generation end)

*7 NOx emission intensity (per thermal power output (at the generation end)) = NOx emissions - thermal power output (at the generation end)

*8 This is calculated from analyzed wastewater concentration values.
Environment

Kansai Electric Power Co., Inc.

Governance

Kansai Transmission and Distribution, Inc.

Efforts Toward Conserving Biodiversity ENVIRONMENT,

Policy and Concept

In line with the Kansai Electric Power Group Environmental Policy, our Group recognizes the importance of biodiversity, working on conservation by properly understanding, analyzing and assessing the impact that our operations may have on biodiversity. Moreover, in line with the Biodiversity Action Guidelines of the Japanese Electric Utility Industry, which were set by the Federation of Electric Power Companies of Japan, we are expanding operations while recognizing the importance of biodiversity. For instance, when building or renovating power plants in areas of sensitive biodiversity, as much as possible we strive to prevent or reduce any impact on the environment and biodiversity in accordance with the Environmental Impact Assessment Law and where necessary we also consider biodiversity offsets.

• Biodiversity Action Guidelines by the Japanese Electric Utility Industry (revised on June 2020)

In the electric power business, we are committed to using the blessings of nature in a sustainable manner while minimizing the impact on biodiversity.

In view of the "integration of business activities and environmental measures" encompassing a wide range of environmental activities, or so-called "environmentally integrated management" that has been required recently, we have revised the Biodiversity Action Guidelines by the Japanese Electric Utility Industry. Based on these Action Guidelines, we will continue to strive for sustainable business activities while appreciating the blessings of nature.

Code of Conduct

As a member of the international and local communities, not just as an electric power company, we keep in mind that biodiversity is an important foundation of a sustainable society and realizing such a society is our responsibility. We will actively promote the following business activities that bring benefits to biodiversity, thereby realizing a sustainable society.

I. Promoting environmentally integrated management that contributes to biodiversity

- ① When supplying electricity, carry out corporate management while recognizing the effects of business activities on achieving various goals related to SDGs with due consideration to biodiversity.
- ② In order to reduce greenhouse gas emissions in the electric power industry as a whole, make utmost efforts to use nuclear power generation with the basic premise of ensuring safety, increase the use of renewable energies, further improve efficiency and perform appropriate maintenance of thermal power generation, and provide energy-saving and CO₂-saving services that contribute to a low-carbon society.
- ③ Continue to engage in 3R (Reduce, Reuse, Recycle) activities, such as effective use of resources and reduction of final waste disposal, to create a recycling-based society and reduce environmental load.
- ④ Regarding biodiversity efforts, deliver easy-to-understand information and dialogue appropriately to a broad base of stakeholders.

II. Steadily engaging in actions that contribute to biodiversity

- (5) When conducting business activities, properly assess, analyze and evaluate the impact on biodiversity, and strive for conservation and sustainable use.
- ⑥ Promote technologies and R&D that contribute to the conservation and sustainable use of biodiversity, and seek to disseminate them.
- Work to conserve biodiversity by voluntarily and proactively engaging in activities that lead to the creation of social value, such as forest conservation and environmental education, while cooperating and collaborating with relevant local organizations and customers. At the same time, contribute to achieving SDGs.
- (8) Encourage employees to enhance their awareness of biodiversity by participating in environmental education and environmental conservation activities inside and outside the company.
- Provide environmental education activities to customers and the next generation, and participate in and cooperate with educational activities performed in the community to widely spread awareness of biodiversity.

Sustainability for the Kansai Electric Power Group	Environment	Social	Governance
	Kansai Electric Powe	er Group Kansai Electric Power Co., Inc.	Kansai Transmission and Distribution, Inc.

Goals

Conservation of biodiversity

Consideration of biodiversity through business activities

► Efforts

• Examples of specific efforts related to Biodiversity Action Guidelines by the Japanese Electric Utility Industry II – (5)

• Monitoring of the habitats and lives of flora and fauna at locations around the power plant

Conservation efforts are underway for plants and animals inhabiting the area near the Okutataragi Pumped Storage Power Station, where the habitats of species such as forest green treefrogs were studied in fiscal 2020 through literature and field surveys. The results will serve as the basis for further biodiversity conservation efforts.

Additionally, in fiscal 2021, the area surrounding a hydropower plant located along the Kizu River system in Kyoto Prefecture was surveyed to gather information required for biodiversity conservation, the results of which show that the area remains intact and protected from invasive alien species, with highly biodiverse communities thriving.

The areas around other hydropower plants will also be surveyed to conserve biodiversity in each area.

Protecting native species around Kurobe Dam

Our Company runs electric buses along the Tateyama Kurobe Alpine Route that connects Nagano Prefecture and Toyama Prefecture. Along with not emitting exhaust gases, these vehicles rarely startle animals with their sound because they run extremely quietly.

Kurobe Dam, which is situated in a national park, receives one million visitors annually. At Ogizawa Station, which is the entrance to the Nagano Prefecture side, the seeds of plants that do not naturally grow in Kurobe sometimes get brought over on the soles of the shoes of tourists. Thus, we have placed seed removal mats at the station ticket gates to prevent the influx of non-native species. The removed seeds are collected with a vacuum cleaner and incinerated.



Seed-removal floor mat

Execution of environmental impact assessment

An environmental impact assessment system estimates and evaluates impacts on the environment of business activities and investigates necessary countermeasures before the execution of large-scale development projects.

In Japan, the system based on the Environmental Impact Assessment Law stipulates subject business survey items, procedure protocols, and other requirements. In suitably implementing environmental impact assessment for power plant construction (including new, expansion, or replacement) in the electric power business, along with utilizing the extensive knowledge that we had accumulated before the establishment of this law, we are, for example, listening to the opinions and recommendations of local residents, regional organizations and the national government. Furthermore, through environmental protection measures based on the opinions of experts and others, we are making efforts to minimize impacts on the natural environment and biodiversity as well as restore natural environments.

Electric Power Group	Environment	Social	Governance
	Kansai Electric Powe	Kansai Electric Power Co. Inc.	Kansai Transmission and Distribution Inc



Environmental assessment procedures

Sustainability for the Kansai E

• Examples of specific efforts related to Biodiversity Action Guidelines by the Japanese Electric Utility Industry II – ⑦

Natural forest creation

In order to make forests that are similar to nature at power plants in a short period of time, we are trying to create environments that protect the original biodiversity of the region by selecting cultivated tree saplings that are suited to the region, and planting different species densely in close proximity.

Moreover, in order to maintain natural forests, as we look to the guidance of experts, we are undertaking continuous efforts to preserve biodiversity, including measures to further diversify species and eliminate invasive alien species.



Biotope

Protecting oriental white storks

In Toyooka City, Hyogo Prefecture, released oriental white storks, which are designated a Special Natural Treasure in Japan, sometimes make their nests on utility poles and steel towers. Not only are there concerns about accidents, but there are also fears that storks could be electrocuted. For these reasons, Kansai Transmission and Distribution, Inc. patrols carefully, removing nests as quickly possible and conducting measures to discourage them from coming near utility poles in cooperation with the local governments. In these ways, we are both protecting the storks and maintaining the safety and stability of the power supply.

Sustainability for the Kansai Electric Power Group

Environment

Social

Kansai Electric Power Co., Inc.

Kansai Transmission and Distribution, Inc.

Water Resources

ENVIRONMENT

Policy and Concept

A physical shortage of water has an impact on our business. Specifically, restrictions on the supply of drinking and industrial water could have an impact on the operations of water-dependent thermal and nuclear power plants.

Thermal and nuclear power plants use massive amounts of water; seawater is used for cooling purposes while about half of a power plant's water (excluding cooling water) is supplied by seawater desalination facilities.

In addition, the results of water risk assessments conducted in fiscal 2020 at our power plants showed that there was no significant risk associated with drought.

While drought poses little risk to our power plants in Japan, we will continue to work on the proper use of water resources and risk management.

At the same time, group-wide efforts will be made to minimize office water use (as part of the Kansai Electric Power Group Eco Action).

Goals Reducing office water consumption Reduce as much as possible

Efforts

Water risk assessments

The results of water risk assessments conducted in fiscal 2020 at our power plants showed that they were not at significant risk of a water shortage; resources include tools provided by the World Resources Institute (WRI)* and information obtained from external experts. * An independent organization that researches policies on issues related to the global environment and development, as well as providing technical support.

Performance data

	Water cons	umption*1	Unit	FY 2019	FY 2020	FY 2021
Total pat frach w	Total net fresh water consumption*2			3.97	4.23	4.23
IOLAI HEL HESH WA	ater consumption.	-		(4.86)	(5.05)	(5.21)
	River water			0.41	0.37	0.44
				(0.41)	(0.37)	(0.44)
	Constant			0.00	0.00	0.00
	Groundwater			(0.36)	(0.48)	(0.56)
	Tatal municipal y	unter evention	million m ³	3.56	3.86	3.79
		al water supplies		(4.09)	(4.20)	(4.21)
		Amount of industrial water used		2.64	2.73	2.51
		(for power generation)		(2.82)	(2.91)	(2.66)
		Amount of service water used		0.92	1.13	1.28
		(for power generation)		(1.27)	(1.29)	(1.55)
Soowator (docalir	Seawater (desalinated)* ³			2.92	2.80	2.79
Seawater (desain	lateu)			(2.92)	(2.80)	(2.79)

*1 The figures in parentheses include the results of group companies (excluding those of some group companies)

*2 Excluding desalinated seawater

*3 Desalinated seawater

S SOCIAL

- Human Rights
- Labor Practices
- Occupational Health and Safety
- Human Capital Development
- Responsibilities Toward Customers
- Disaster Mitigation Efforts
- Communities
- Supply Chain Management

Social

Kansai Electric Power Co., Inc.

Kansai Transmission and Distribution, Inc.

Human Rights

SOCIAL

Respect for human rights

Policy and Concept

As stated in the Kansai Electric Power Group Code of Conduct that our Group regards human rights as a universal value shared by the international community, supports international norms on human rights, and respects human rights in all its business activities, we have been promoting initiatives to encourage the respect of human rights.

Today, in light of the heightened awareness of respect for human rights in society, including the issuance of the National Action Plan on Business and Human Rights (NAP), in fiscal 2021 we established the Kansai Electric Power Group Human Rights Policy in compliance with the Guiding Principles on Business and Human Rights. This policy serves as a top-level human rights policy based on the Kansai Electric Power Group Management Philosophy Purpose & Values and the Kansai Electric Power Group Code of Conduct.

In accordance with the International Bill of Human Rights, the Declaration on Fundamental Principles and Rights at Work of the International Labour Organization (ILO), and international human rights norms, the Group is committed to preventing and reducing negative impacts on human rights in various forms of human rights violations such as human trafficking, forced labor, and child labor related to business activities. We will fulfill our corporate responsibility for respecting human rights and support the realization of a society where the dignity and rights of all human beings are respected.

Kansai Electric Power Group Human Rights Policy Preamble

Under the Kansai Electric Power Group Management Philosophy Purpose & Values, the Group will contribute to the sustainable development of society and support the realization of a society where the dignity and human rights of all human beings are respected through the collective wisdom and collaboration of all its executives and employees.

The Group hereby establishes the Kansai Electric Power Group Human Rights Policy (hereinafter referred to as the "Policy") to express our respect for the human rights of all people involved in the Group's business activities and promote human rights initiatives.

The Policy lays the foundation for all business activities of the Group as a top-level human rights policy based on the Kansai Electric Power Group Management Philosophy Purpose & Values and the Kansai Electric Power Group Code of Conduct.

System

System for the promotion of human rights education

With the Promotion Committee for Human Rights Education established at the respective head offices and business activity bases in each region, our Company and Kansai Transmission and Distribution, Inc. formulate basic plans for human rights education for the year to come, as well as confirming how human rights awareness raising efforts and training programs are being implemented. In addition, we share information on various human rights issues and promote initiatives for respecting human rights across the Group.



41

Governance

Goals

- Kansai Electric Power 2022 Basic Plan for Human Rights Education
- Kansai Transmission and Distribution 2022 Basic Plan for Human Rights Education

Promote human rights training with the goal of having all employees receive training at least once a year.



Efforts -

Efforts to raise human rights awareness

The Kansai Electric Power Co., Inc. and Kansai Transmission and Distribution, Inc. provide human rights training to management and all employees on a continuous basis to deepen their understanding and recognition of our corporate responsibility to respect human rights, and to enable each and every employee to take responsible action in all business activities.

Particularly with regard to harassment prevention, to create a workplace climate that does not tolerate any kind of harassment, in 2021 we established anti-harassment regulations, including a handbook, and also set up internal and external consultation desks* to facilitate consultations on harassment. We are also engaged in activities throughout the entire corporation to raise awareness of harassment prevention by, for example, holding workplace discussions based on case examples.

In addition, the Company and Kansai Transmission and Distribution, Inc. are conducting various awareness raising activities, including e-learning, to ensure that all employees understand the Human Rights Policy of the two companies, which was newly established in 2021, and to promote respect for human rights in business activities.

* The Compliance Consultation Desk and the Human Rights and Harassment Consultation Desk have been established. In fiscal 2021, 38 consultations were received through these desks on human rights and discrimination, including harassment. Disciplinary actions were taken for four of these cases.

Characteristic training and actual attendance in fiscal 2021

Training details	Target person	Attendance	Remarks
Human Rights Lectures For Harassment Prevention in the Workplace	Promotion members, officers and others	193	FY 2020 results 170 (+23)
Harassment Counselor Training	Consultation desk managers	52	FY 2020 results 23 (+29)

Note: Training was carried out online to prevent the spread of COVID-19.



Initiatives linking our Group, municipalities and other entities

Twice a year, the Kansai Electric Power Group holds Human Rights Information Exchange Meetings for Group Companies to promote initiatives for respecting human rights. In addition, we actively participate in the activities of the Osaka City Council on Human Rights Promotion for Corporations and other liaison group organizations, as well as those at the national and local government level.

Relevant data

Policy Kansai Electric Power Group Human Rights Policy Policy pertaining to the respect for human rights Established Kansai Electric Power Group Human Rights Policy https://www.kepco.co.jp/sustainability/society/humanrights/index.html Kansai Electric Power Group Human Rights Policy

42

Environment

Kansai Electric Power Co., Inc.

Kansai Transmission and Distribution, Inc.

Governance

Labor Practices

Promotion of diversity and inclusion

Policy and Concept

In April 2022, we formulated the Kansai Electric Power Group Diversity and Inclusion Promotion Policy. Toward the realization of this policy, we will work on human capital development to empower each employee to be dynamic in their work by willingly taking on challenges, thereby leading to the realization of the "Kanden Transformation." We will also develop an internal environment allowing our employees to adopt diverse career paths and "workstyles" to maximize their abilities with increased motivation. Our dedicated organizations will continue to take the lead in advancing various initiatives, including the development of systems, periodical information dissemination, and training, expanding these initiatives groupwide.

In 2021, in order to heighten the momentum for diversity promotion, we held roundtable meetings between outside directors and employees, held presentations by outside lecturers, and solicited opinions and ideas from employees regarding promotion of diversity. The collected opinions and ideas will be reflected in the Kansai Electric Power Group Diversity and Inclusion Promotion Policy and will be implemented as concrete measures, such as diversity-focused recruiting and an expanded work system that suits different lifestyles.

• Kansai Electric Power Group Diversity and Inclusion Promotion Policy

- 1. By respecting, accepting, and utilizing the "differences" of each individual and making diverse senses of value and ways of thinking into sources of strength for the organization, we will realize a competitive and innovative corporate group.
- 2. We seek to realize workstyles and to cultivate workplace environments that enable everyone to exercise their abilities to their fullest extents, regardless of personal attributes, including gender, age, nationality, and disabilities or experienced life events and careers.



System

Director responsible: Nobuyuki Miyamoto (Executive Vice President) of the Kansai Electric Power Co., Inc. Management office: Diversity Promotion Group, Office of Human Resources and Safety Management of the Kansai Electric Power Co., Inc. (Exclusive organization established in 2011)

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

Promotion of employment of persons with disabilities

In 1993 we established Kanden L-Heart Co., Inc. as a special affiliate company, and together with Kansai Transmission and Distribution, Inc.* (which was split off in April 2020), these organizations encourage employment of people with disabilities. Kanden L-Heart is actively recruiting people with disabilities by accepting them as workplace trainees and by other means, in collaboration with the government, related organizations, special-needs high schools, etc.

As a result, our employment ratio of workers with disabilities reached 2.6% (as of June 1, 2022), having continuously achieved the legally required ratio (2.3%). In addition, we are opening up a diverse range of job positions where people with disabilities can play an active role, such as office assistant, while bolstering support for those with mental disabilities.

* Kansai Transmission and Distribution, Inc. has been certified as a special affiliate (as our Group) and therefore is included in the calculation of our employment ratio of persons with disabilities.



Pick-up and delivery work

Promotion of employment of elderly persons

We are rehiring all applicants after they retire at the age of 60, and are also continuously working to improve the environment so that veteran employees can further utilize the knowledge and experience they have cultivated so far. Currently, many highly qualified and skilled retirees with abundant experience are active in a wide range of operations at our Company and group companies. Note: Number of rehired employees (retired employees) at the end of March 2022: Approximately 900

Initiatives to encourage the further success of female employees

Various training programs and initiatives are implemented for female employees so they can maximize their potential without underestimating it, be motivated for continuous self-growth through work, and actively balance work and family, etc. even at life-stage transitions.

Male-female wage gap* Ratio of women's wages to men's

All workers	64.6%
Full-time employees	69.0%
Part-time employees and employees on fixed-term contracts	55.7%

* Non-consolidated figures for the Kansai Electric Power Company	* FY 2021
• In all selections and any according to any dependence of the selection of the selectio	

- * The difference in average years of service, which is the basis for the male-female
- * Includes medical staff working at the Kansai Electric Power Hospital.

Targets for promotion of female employees

Appointment to By the end of FY 2030, increase the ratios of female managers and female senior managers to more than threefold those of FY 2018. managerial positions (FY 2021 results: The ratio of female managers was 2.9% and that of female senior managers was 2.4%.) Achieve ratios of 40% or more for women employed in office jobs and 10% or more for women employed in technical jobs. Recruitment (FY 2022 results: 51% for office jobs and 11% for technical jobs)

44

Number and ratio of female senior managers and managers*



(Figures from fiscal year ends) Excludes medical staff and transportation staff * Managers refer to those equivalent to unit chief or higher

Number and ratio of female hires



(Based on fixed term employment for each fiscal year)

base salary, overtime pay, bonuses, etc., but excludes retirement

allowance, commuting allowance, etc.	
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- * Excludes loaned employees and employees on leave
- wage gap (full-time employees), is 8.9 years.



ustainability for the Kansai Electric Power Group	Environment	Social	Governance
	Kansai Electric Power G	roup Kansai Electric Power Co., I	nc. Kansai Transmission and Distribution, Inc.

Initiatives related of promoting women's empowerment

• Support and measures according to career stages



• Measures and support according to life events

Expectant mother seminar

Pregnant women (and their spouses in the case of intra-office marriage) learn about our systems, tips for finding a nursery school, women-specific health issues, timing when returning to work, and receive advice for balancing work and childcare.

 Seminar for managers (superiors) in departments with expectant mothers

The session provides superiors with pregnant female subordinates explanation on expected roles and key points when communicating with their subordinate.

• Early reinstatement support menu

Financial support is provided for childcare to employees returning to work early, before their child celebrates his/her first birthday.

Returnee seminar

Women who have returned to work after childcare leave (and their spouse in the case of intra-office marriage) receive advice for balancing work and childrearing by listening to information from outside lecturers and senior role models, and are encouraged to think positively about striking a balance between work and childrearing in the future.

• Participation in training, etc. during childcare leave

Employees can participate in training and take promotion exams, if they are conducted during childcare leave, upon request.

PC rental service during childcare leave

A computer is lent to each employee to keep them informed regarding the moves and changes in business situations even during childcare leave, and to support their return to work through communication with their workplace.

 Release of information on the in-house website Our in-house diversity and inclusion promotion website "Chiga Chika Net" ("Difference (Chigai) is Strength (Chikara)" Net) introduces our seminars and systems supporting each life stage in an easy-to-understand manner.



Scenes from training







Chiga Chika Net

ability for the Kansai Electric Power Group	Environment	Social	Governance
	Kansai Electric Power G	Kansai Electric Power Co. J	nc Kansai Transmission and Distribution Inc

Third-party evaluation on women's empowerment

Sustainab

As a result of these various efforts, we received the "Kurumin" certification in accordance with the Act on Advancement of Measures to Support Raising Next-Generation Children and the highest "Eruboshi" certification (third level) in accordance with the Act on Promotion of Women's Participation and Advancement in the Workplace. We were also recognized as a "Leading company for female activity in Osaka City." In the selection of "Nadeshiko Brands" instituted jointly by the Ministry of Economy, Trade and Industry and the Tokyo Stock Exchange, we were selected as a "Semi-Nadeshiko Brand." Furthermore, we acquired the Osaka Prefecture "Danjo Ikiiki Plus" certification as a business operator putting forth its best effort to be a vibrant company or organization where both men and women can work with enthusiasm.



Promoting the participation of male employees in childrearing

We are encouraging male employees to participate in childrearing with the aim of deepening their ties with family members and growing as individuals through childrearing experience as well as increasing work efficiency and motivation. Specifically, setting a goal of 90% or more of childcare leave utilization among male employees, we deliver an email calling for taking childrearing leave to male employees whose spouses have given birth to a child, with the same message sent to their superiors. The experiences of male employees who took childcare leave are published on our intranet. From October 2022, when the revised Child Care and Family Care Leave Law comes into effect, setting a target rate of male employees taking childcare leave to be equivalent to that of female employees (rate of female employees who took childcare leave in fiscal 2021: 100%), as well as targeting a new average number of days for men taking childcare leave to be at least one month by fiscal 2025, we will further promote the participation of male employees in childrearing to achieve this goal.



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Osaka Prefecture

• Efforts to promote mid-career hires and non-Japanese personnel to managerial positions

We will continue to promote hiring with an emphasis on diversity, expand mid-career hiring, and actively promote mid-career hires to managerial positions. We will also actively recruit and promote non-Japanese human resources to managerial positions. We set the following goals for the promotion of mid-career hires to managerial positions in fiscal 2021.

By the end of FY 2030, increase the ratio of mid-career hires in managerial positions to more than 10 times that of the end of FY 2020. (Results at the end of FY 2021: 0.3%)

 Furthermore, we will actively rehire displaced workers who have built their careers at other companies. We will work to ensure that experienced individuals who have gained knowledge elsewhere can play an active role in our Company.
 Recruitment status of mid-career hires

 Number of mid-career hires
 Number of mid-career hires

Recruitment status of mid-career hires	FY 2021 (result)	FY 2022 (result)	FY 2023 (plan)
Number of mid-career hires	28	42	70

• Support for balancing work and nursing care

Providing employees with basic knowledge about nursing care, public support, and our internal systems can help prevent them from leaving their jobs when faced with nursing care and maintain a balance with work. For this reason, we have published a Handbook for Work-Nursing Care Balance Support and hold seminars on the compatibility of work and nursing care.



Handbook for Work-Nursing Care Balance Support



Nursing care seminar



Sustainability for the Kansai Electric Power Group	Environment	Social	Governance
	Kansai Electric Power C	Group Kansai Electric Power Co., Ir	nc. (Kansai Transmission and Distribution, Inc.)

Support for employees identifying as LGBTQ and promotion of understanding companywide

Aiming to deepen employees' understanding of LGBTQ issues and create a comfortable workplace for everyone, we have implemented e-learning for all employees, published an informative handbook regarding company diversity and prevention of harassment, and set up a consultation desk. In addition, in the index for evaluating corporate efforts related to LGBTQ employees formulated by a voluntary organization, work with Pride, the Company won the highest "Gold" award for the fifth consecutive year from 2016 to 2020. In April 2021, we earned a three-star certification as an Osaka City LGBT Leading Company.



e-learning

• Work system, work-life balance support system

Category	System	Details
	Super flextime	Flexible work system without designated core time
System that enhances workstyle flexibility	Telework	Employees can work from home or in a satellite office regardless of reason and without a limit on the number of times.
	Hourly leave	Leave is available in 1-hour units (up to 5 days/year).
	Prenatal and postnatal leave	6 weeks before and 8 weeks after childbirth
	Maternity leave	5 days at any time starting from the time the spouse's pregnancy is determined and no later than 2 weeks after delivery
Support for	Childrearing leave	Until the end of the fiscal year in which an eligible child becomes 3 years old. Paid up to 7 days from the start of the leave.
compatibility with childrearing	Early reinstatement support menu	Financial support for childcare is provided to employees with a child under 12 months of age upon returning to work.
	Short working hours (childrearing)	Until the end of September of the year when an eligible child is in the first grade of elementary school
	Child nursing leave	Available when an employees' child receives nursing care or health examinations before entering elementary school
	Family support reserve leave	Employees can use part of their accumulated annual paid leave for "nursing/long-term care of their spouse/relatives," "going to hospital for infertility treatment," "participation in school events," etc.
Support for compatibility with	Nursing care leave	Within 3 years in principle or up to 93 days in total
nursing care	Short working hours (nursing care)	Period that an employee applied for (period in need of nursing care)
Reemployment system	f-staff system	Reemployment system for those who resigned due to pregnancy, childbirth, childrearing, long-term nursing care, transfer of spouse, or infertility treatment

SOCIAL

Kansai Electric Power Co., Inc.

Kansai Transmission and Distribution, Inc

Promotion of workstyle innovation

Policy and Concept

Promotion of workstyle innovation, health and productivity management

The Company has established a Health and Productivity Management Declaration with the aim of expressing our unwavering commitment to step up efforts in health management. Under the Medium-term Management Plan, we are committed to increasing the added value of operations through leveraging by digital technology, accelerating flexible workstyles regardless of time and place, continuously conducting health activities on a workplace basis, and promoting line care as a means to step forward.

Health and Productivity Management Declaration (established in January 2018)

The Kansai Electric Power Company, in order to fulfill our mission, "continuing to serve our customers and communities," will promote the maintenance and enhancement of our employees' physical and mental health as well as the improvement of the quality of their lives by making employees' health one of the pillars on our corporate management.

We will also implement working practices which place an emphasis more on value creation than the amount of work time, boost productivity, eliminate longer working hours, promote workplace diversity, and realize dynamic innovation through human-capacity reform to further improve effectiveness of our health management.

Based on our belief that we value people, we will continue to promote the advancement of employees' health and contribute to "the realization of a bright and affluent future."

System

Under the leadership of the President, who is responsible for promoting workstyle innovation and health & productivity management, and through discussions at the Workstyle Innovation, Health and Productivity Management Committee chaired by the director in charge of human resources and labor affairs, we are developing policies and measures to establish a more flexible work system and enhance employee health, working with the workers union, health insurance association, medical staff, and others to create an environment where each employee can work in good health.



Goals

Reduce total working hours "by 5% compared to FY 2015, or 190 hours/year, which is equivalent to overtime hours per person"
 → FY 2021 results: Overtime hours per employee were 241 hours/year (FY 2020 results: 247 hours)*1*2

• Achieve male employee childrearing leave/paid leave utilization rate of 90% or higher

→ FY 2021 results: Male employee childrearing leave utilization rate was 117% (FY 2020 results: 98%)*1*2,

and paid leave utilization rate was 96.4% (FY 2020 results: 95.5%)*1*2.

• Improve health indexes to the level of leading companies in health and productivity*1

	Indexes	Targets	FY 2020	FY 2021
Appr	ropriate bodyweight	Those with a BMI between 18.5 and 25: 71% or more	67.7%	67.5%
Exerc	cise habits	Those exercising at least 2 days per week: 21% or more	35.7%	37.1%
Smol	king habits	Smoking rate: Less than 26%	24.2%	22.9%
Sleep	p	Those answered that they are well rested through sleep: 60% or more	80.1%	81.0%
Drink	king habits	Those drinking an average of 360 mL or more alcoholic beverages per day: Less than 14%	13.0%	10.4%

*1 Combined results of the Kansai Electric Power Co., Inc. and Kansai Transmission and Distribution, Inc.

*2 Figures exclude transportation and medical staff

Governance

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

► Efforts

Developing comfortable workplaces

On the premise that working hours are managed appropriately, a flexible work system is being put in place to clearly delineate efficient working time ("on") from effective rest time ("off"). To this end, we are expanding flextime with no core time across the Company, enhancing to a working system that allows for more flexibility when it comes to times/places of work through extended teleworking requirements, and encouraging employees to take leave in a planned and meaningful manner.

In particular, we are improving our telework environment by digitizing documents and expanding IT tools, while listening to the opinions of employees. We are also working to introduce a free address system in the head office and other workplaces, and the system is being established and spread as one of our new workstyles.

(Office workplace telework rate for FY 2021: 46.6%)

Major work system revisions in recent years

2015.4 Introduction of anniversary leave	Granted special leave on anniversaries of employees or their families.
2016.4 Introduction of teleworking	Introduced to support improved balance between work and life events.
2016.4 Introduction of partially paid childrearing leave	Seven days of paid leave for the purpose of encouraging male employees to take childrearing leave.
2018.10 Introduction of leave for spouse's overseas assignment	Introduced leave of absence program for employees who will accompany their spouse's overseas assignment.
2019.4 Introduction of rest between shifts	Encouraged employees to secure, basically, at least 11 hours of rest.
2020.4 Extension of super-fiexible work hours	Abolished core time as a general rule at all business locations. (Has been abolished at some locations since April 2019.)
2021.4 Extension of teleworking	Expanded the usage of teleworking system regardless of reason and without a limit on the number of times.
2021.4 Introduction of hourly leave system	Introduced to provide flexibility in how annual paid leave is taken.
2022. 10 Expansion of childrearing leave	Employees are allowed to take childrearing leave in two installments. Maternity leave was also introduced for employees to take leave within eight weeks of the birth date of a newborn child.
2022. 2H Expansion of short working hours	Repeated and continuous medical treatment were added to the reasons for application of short working hours.

Note: Non-regular employees are also eligible for many of these systems.

Certified as a Health & Productivity Management Outstanding Organization 2022 (White 500)

Having been recognized for our philosophy of "Management that values people" and health measures for employees, our Company has been certified as a Health & Productivity Management Outstanding Organization (White 500) for the sixth consecutive year since 2017.



xth consecutive year since 2017.

Welfare system to support employees

Major health and productivity management initiatives

As part of the initiatives aiming to raise awareness of health management and improve self-care skills, the Group holds exercise and diet seminars and a walking rally, and has established "non-smoking days."

Moreover, we are working to create an environment that facilitates superiors' support for their subordinates by conducting training on line care for managers, and to enhance the support system by establishing a consultation desk with industrial physicians, industrial nurses, and outside counselors.

We have created an environment in which employees can work cheerfully with peace of mind by stabilizing the lives of employees and their families with the following systems: life security measures such as condolence money and various insurance programs, housing measures such as company housing (only in some areas)/dormitory and housing allowance (new rent subsidies to replace company housing), property accumulation support measures such as owned property accumulation savings and an employee stock ownership association, welfare proxy service, a cafeteria plan, an employee cafeteria, retirement benefit plans, etc. Details regarding these systems are reviewed and improved as necessary, taking into account the current situation and other factors. Note: With the exception of some systems, non-regular employees are also eligible.

tainability for the Kansai Electric Power Group	Environment		Social	Governance	
	Kansai Electric Power G	roup	Kansai Electric Power Co., Inc	(Kansai Transmission and Distribution, Inc.)	

• Sustaining stable labor-management relations

We have concluded a union shop agreement with the Kansai Electric Power Workers Union, and have set "company productivity increases accompanied by improved labor conditions" as a shared labor-management goal. Based on strong relationships of trust that we have constructed over our many years of history, we are building good labor-management relations. To keep up these relations, we continue to strive for mutual understanding by holding management panel discussions between labor and management as we operate business.

Major opportunities for labor-management communication

Management panel discussions	Labor and management promote communication in the corporate management plan, etc. (held annually)
Management Council	Labor and management discuss important matters, such as reorganization (as needed)

Correspondence between labor and management concerning employee transfer

Under the collective agreement, the Kansai Electric Power Co., Inc. and Kansai Transmission and Distribution, Inc. shall, when it is necessary due to business reasons, transfer their employees fairly in consideration of their intentions, living conditions, skills, etc. Especially when it is necessary to make a wide-ranging transfer, criteria for the transfer shall be discussed with the labor union.

Tackling COVID-19

In order to prevent the spread of COVID-19 and maintain a safe and stable electricity and gas supply, the Group has set up a COVID-19 Response Headquarters and has been striving to restrict movement by promoting the adoption of telework. When commuting to work, we strictly follow rules regarding mask wearing from the viewpoint of infection prevention. We are also implementing measures to avoid crowding, such as maintaining enough space between desks in the office environment. In addition, we have introduced a workplace vaccination program and grant employees special leave to receive vaccinations, to ensure the safety and health of employees and their families as well as to create an environment where they can work with peace of mind.

As it is expected to take time until the COVID-19 infection is contained, we will strive to achieve both infection prevention and sustainable business activities by considering an internet-driven transformation of how we work.

Vaccination results	Approximately 20,000 inoculations in total (Total of 1st, 2nd, and 3rd vaccinations)
Vaccination sites	Head office and nuclear power plants (Mihama, Takahama, Ohi)
Eligibility	Employees of the Kansai Electric Power Company, Kansai Transmission and Distribution, and their family members, employees of group companies, and employees of subcontractors who wish to be vaccinated at the above vaccination sites.

Summary of workplace vaccinations



Sustainability for the Kansai Electric Power Group	Environment	Social	Governance
	Kansai Electric Power C	Group Kansai Electric Power Co., I	nc. Kansai Transmission and Distribution, Inc.

Relevant data

Diversity and workstyle innovation

Please note that the figures represent those for the Kansai Electric Power Co., Inc. and Kansai Transmission and Distribution, Inc. unless otherwise specified in the Remarks column.

Diversi	ty and workstyle in				i, mei amess oariermise sp	
		Targets	2020/3	2021/3	2022/3	Remarks
		_	18,141	17,739	17,469	
Number of e	employees	_	31,850	31,933	31,963	On a consolidated basis
Average age	2	_	43.3	43.4	43.3	
Average len	gth of service	_	22.5 years	22.4 years	22.2 years	
Average anr	nual salary	_	7.99 million yen	8.36 million yen	8.20 million yen	Non-consolidated figures for th Kansai Electric Power Compan
Ratio of mid	-career hires in	FY 2030: 1% or more	_	0.1%	0.3%	
managerial	positions*1	FY 2030: 20% or more	_	_	11%	Figures for major Kansai Electri Power Group companies*2
Rate of child	lrearing leave utilization	Same level as that of female employees	109%	98%	117%	
among men		Same level as that of female employees	_	_	86%	Figures for major Kansai Electri Power Group companies*2
Rate of child	Irearing leave utilization	_	100%	100%	100%	
among won	2		_	_	96%	Figures for major Kansai Electri Power Group companies*2
Number of days fo	r childrearing leave utilization among men*1	FY 2025: 1 month or more	6.8 days	8.3 days	10.4 days	
	I attack and	90% or more for each year	97.1%	95.5%	96.4%	
Rate of paid	leave utilization*1	_	_	_	85.2%	Figures for major Kansai Electr Power Group companies*2
Total workir	ng hours*1	_	1886.6 hours/year	1919.4 hours/year	1891.3 hours/year	
0t		190 hours	246 hours	247 hours	241 hours	
Overtime w	orking hours per employee*1	_	_	_	203 hours	Figures for major Kansai Electri Power Group companies*2
Turnover he	adcount*1	_	148	112	120	
_		_	0.74%	0.58%	0.63%	
Turnover rat	te*1	_	_	_	3.20%	Figures for major Kansai Electri Power Group companies*2
Male turnov	er rate*1	_	0.67%	0.52%	0.62%	
Female turn	over rate*1	_	1.65%	1.24%	0.68%	
T	Under 30 years old*1	_	1.70%	1.40%	1.58%	
Turnover rate by	30-49 years old*1	_	0.46%	0.32%	0.34%	
age group	50 years old and over*1	-	0.70%	0.56%	0.57%	
		Achieve legal employment rate every year	2.6%	2.6%	2.6%	
Katio of wor	kers with disabilities	Achieve legal employment rate every year	_	_	2.4%	Figures for major Kansai Electri Power Group companies ^{*2}
		Targets	2020/4	2021/4	2022/4	Remarks
Number of r	new hires*1*3	_	373	448	426	
Number of hire	es (new graduates/mid-career)*1	_	_	_	1,792	Figures for major Kansai Electri Power Group companies*2
						· · · ·

Indexes related to female empowerment

	Targets	2020/3	2021/3	2022/3	Remarks
Ratio of female employees*1	-	7.7%	8.1%	8.7%	
Number and ratio of female managers*1	Increase the ratio of female managers in FY 2030 to more than threefold that of FY 2018 (to 6.3%)	130 2.4%	136 2.6%	151 2.9%	
Number and ratio of remaie managers.	Increase the ratio of female managers to 10% or more in FY 2030.	680 5.8%	726 6.2%	868 7.1%	Figures for 2021/3 and before are on a consolidated basis figures for 2022/3 are for major companies in the Group*2
Number and ratio of female	Increase the ratio of female senior managers in FY 2030 to more than threefold that of FY 2018 (to 4.8%)	47 1.9%	52 2.1%	59 2.4%	
senior managers*1	Increase the ratio of female senior managers to 5% or more in FY 2030.	113 2.1%	118 2.2%	114 2.0%	Figures for 2021/3 and before are on a consolidated basis; figures for 2022/3 are for major companies in the Group*2.
Average length of service for female employees*1	-	17.1 years	17.3 years	17.0 years	
	Targets	2020/4	2021/4	2022/4	Remarks
Number and a first of from the hims w1*2	_	51 14%	87 19%	84 20%	
Number and ratio of female hires*1*3	30% or more for each year	161 21%	236 26%	180 23%	Figures for 2021/3 and before are on a consolidated basis, figures for 2022/3 are for major companies in the Group*2
Number and ratio of female hires (office jobs)*1*3	40% or more for each year	28 39%	53 47%	49 51%	
Number and ratio of female hires (technical jobs)*1*3	10% or more for each year	23 8%	34 10%	35 11%	

*1 Excludes transportation staff and medical staff. *2 The Kansai Electric Power Co., Inc., Kansai Transmission and Distribution, Inc., and 24 major group companies

*3 Regular employees hired in each fiscal year are the subject of the calculation.

Environment

Kansai Electric Power Co., Inc.

Governance

(Kansai Transmission and Distribution, Inc.

Occupational Health and Safety



Efforts to eliminate industrial accidents

Policy and Concept

About the Kansai Electric Power Group Code of Conduct for Safety

Based on the President's Declaration: "Ensuring safety is my mission, and the mission of the Company" and applying the lessons learned from the Mihama Nuclear Power Station Unit 3 accident, we are continuing with the implementation of safety efforts that put preserving the safety of every person involved in our Group's business activities first.

Inherent in the beliefs expressed in this declaration, we share "our beliefs about safety" as an everlasting group-wide principle to raise awareness of safety under the Kansai Electric Power Group Code of Conduct for Safety. Additionally, by practicing safe actions based on the Safe Action Declaration, we will steadily accumulate achievements in safety and cultivate an unwavering culture of safety.

System

Director responsible: Kazumitsu Takanishi (Executive Vice President) of the Kansai Electric Power Co., Inc.

Deliberative body: Safety and Quality Board

Management office: Safety Management Group, Office of Human Resources and Safety Management of the Kansai Electric Power Co., Inc.



- The key mission of the Safety and Quality Board is to deliberate company-wide activity policies and cross-divisional issues, thereby cultivating an unwavering group-wide safety culture. The information deliberated by the Safety and Quality Board is shared thoroughly within Kansai Electric Power and Kansai Transmission and Distribution, including group companies, and the Board cooperates with the Group's subcontractors and affiliates as necessary.
- In addition to the legally mandated safety and health committees at each business location, we have established a
 company-wide committee to deliberate safety and health activities from a broader perspective. Through these committees, we
 ensure that the opinions of employees (workers union) are fully reflected, and that labor and management cooperate with each
 other to promote safety and health activities.



 Sustainability for the Kansai Electric Power Group
 Environment
 Social
 Governance

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

Goals

Preserve the safety of every person related with the Group and make Zero Accidents a reality.

Lost-time injury frequency rate (LTIFR)*1 trend



*2 Average values of our three representative group companies undertaking major construction projects have been adopted.

► Efforts

• Fostering an unshakable group-wide safety culture

Based on the lessons from the Mihama Nuclear Power Station Unit 3 accident, we are continuing safety efforts that put preserving the safety of every person involved in the business activities of our Group first. We share a strong belief that "we will not allow misfortune to occur to the colleagues who work with us or their families." We also deepen information sharing and communication. By doing these and other things, we are working to cultivate a group-wide safety culture that never wavers.

In order to further advance group-wide efforts to prevent accidents, we are pushing ahead with Kansai Electric Power Safety Culture Area activities. Specifically, we are fostering mutual understanding and sharing knowledge on safety through various meeting structures, etc. across the Group. We are also working closely with our group companies, including subcontractors, based on a reward system to commend subcontractors for creative and ingenious safety activities.

PDCA of safety activities

To ensure safety for everyone related with our Group and achieve our unchanged goal, or "zero accidents," we are working to maintain safe working environments and prevent accidents from occurring and reoccurring through activities that mobilize the capacities of our organization with the full participation of employees. Concretely, we analyze the details of accidents that occur each year, communicate with employees and subcontractors to understand their awareness and perceptions of safety, and based on the actual situation, we hold discussions among relevant internal departments, including management.

In addition, together with the labor union, we prioritize items to address in the next fiscal year and are engaged in activities on a group-wide basis. We will seek continuous improvement by running the PDCA cycle of safety activities in each fiscal year. We will also share prioritized items to address with our group companies, thereby further enhancing the effectiveness of safety activities.

Prioritized items in safety activities for fiscal 2022

- ① Create a safe and secure working environment at each business site.
- ② Make it a habit to think safety and act safely based on danger prediction.
- ③ Promote safety activities based on bilateral communication with subcontractors, etc.
- ④ Practice safe driving behavior by all drivers and passengers as a unified effort of the workplace.

Specific safety efforts

• Efforts in safety education and acquisition of knowledge from outside the company

To raise awareness of our employees and protect the colleagues of subcontractors and others, we provide education for each employee to practice autonomous safety activities. Besides that, we learn new things throughout our group companies in lectures and in training programs on safety led by external experts, thereby increasing the level of our Group's safety activities. As a result of these efforts, our lost-time injury frequency rate (LTIFR) is lower than the national average.



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

Bilateral communication with subcontractors and others

When the opportunity presents itself, our employees visit equipment construction/maintenance sites and are active in creating and enhancing opportunities to communicate with subcontractors, etc. so that we can deepen mutual understanding and promote safety activities together. By proactively facilitating bilateral communication, we are striving to raise safety awareness and reduce the risk of accidents.



Bilateral communication with subcontractors and others

Thoroughly managing safe driving

For employees who drive cars, we have instituted our own Vehicle Operator Certification System, aiming for a safe driving level that is one step higher. After receiving education related to safe driving and practical training, they are given the vehicle operator certificate. We work to implement thorough and safe driving management by providing them with education and training periodically.



Thoroughly managing safe driving

• Relevant data

Policy					
		Kansai Electric Power Group Code of Conduct for Safety https://www.kepco.co.jp/energy_supply/supply/ichiisenshin/philosophy/chikai.html			
Occupational Health and Safety Policy	Established		nsai Electric Power Group Code of Co o.co.jp/corporate/policy/charter/inde		
			alth and Productivity Management D o.co.jp/sustainability/society/working		
		2020/3	2021/3	2022/3	
Lost-time injury frequency rate	Non-consolidated	0.42	0.28	0.28	
(LTIFR)	Group companies*	0.69	0.49	0.84	
Number of fatal accidents	Non-consolidated	0	0	0	

* Average values of three principal group companies undertaking major construction work have been adopted.



Human Capital Development

Development measures for "human capital" innovation

Policy and Concept

About the Kansai Electric Power Group Academy

We established the Kansai Electric Power Group Academy in 2018 and systematized our corporate training and education systems in order to actualize our Company belief that "developing human capital is the most important thing for prevailing in a severe competitive environment" along with our Group philosophy of "management that values people."



*1: Director, Office of Corporate Planning *2: Director, Office of Human Resources and Safety Management *3: Division Manager of Each Division and President of Kansai Transmission and Distribution, Inc.

Personnel development policies

The Kansai Electric Power Group Academy implements capability development measures to empower each employee to be dynamic in their work, willingly taking on challenges to grow through new workstyles with a view of realizing the "Kanden Transformation," supporting "autonomous career development" of employees.

Specifically, we will practice personnel development measures to change awareness and behavior, which is necessary to embody our management philosophy. Along with that, we will implement measures to enhance individual employees' strengths and improve or overcome challenges that require deeper understanding, ensure that expertise is handed down to the next generation, improve productivity, and create added value driven by digital technology.

Sustainability for the Kansai Electric Power	Group
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Environment

Governance

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

Efforts

• Measures for "human capital" innovation

Recognizing that the source of the power to move forward with the initiatives set forth in the medium-term management plan is each and every employee, the Kansai Electric Power Group aims to create a virtuous cycle in which each employee plays an active role with willingness to grow and take on challenges while making the most of their diverse attributes. Their growth and achievements will eventually improve profitability and sustainable growth for our corporate organization. Specifically, we are working to maximize the success of all employees in various fields through a series of processes such as human resource discovery, training, reassignment and appraisal.





Adoption of an in-house application system (e-challenge system)

Supporting the independent career development of all individuals, we have implemented an in-house application system that allows employees to take on the challenges of diverse careers and fields. Based on high levels of motivation, they can exercise their abilities to their maximum extents even more than before.



nly in international business areas nly in new business areas
nly in new business areas
nly in core group business areas
cialized and specific career
nly in renewable energy business area
nly in hydrogen business area
addition to their original work,
ii

[Career challenges]

- 5 -						
	FY 2018	FY 2019	FY 2020	FY 2021	Cumulative total	Year-on-year change
Number of applicants	124	44	88	121	377	+33
Number of successful applicants	20	13	33	27	93	-6

[Dual work challenges]

	FY 2018	FY 2019	FY 2020	FY 2021	Cumulative total	Year-on-year change
Number of applicants	18	24	10	49	101	+39
Number of successful applicants	14	15	8	26	63	+18

Environment

Kansai Electric Power Group

Governance

(Kansai Transmission and Distribution, Inc.

Career design

As an initiative to support the career development of employees, we provide superiors with an opportunity to interview their subordinates once a year. The interviews are held based on a Career Design Sheet that describes each individual's strengths, challenges requiring deeper understanding, career plans, etc. Each employee's characteristics and career plan are shared with his/her superiors, and are also used for OJT and reassignment for the purpose of supporting our employees' career development.

Independent career development support tool

In order to create an environment in which employees can think deeply about their own careers, gain awareness, and grow, we have published a Self Design Book, a support tool for independent career development. By reading this booklet, thinking over the content, and learning through various questions regarding "what you want to be, what you want to value, and how you should act as the environment changes toward the future," employees can receive hints on how to form their own careers.



Social

Kansai Electric Power Co., Inc.

Foster Training

As part of personnel development measures through the Kansai Electric Power Group Academy, we support employees who are looking to improve their abilities and advance in their careers by providing stratified training for early development, specialized training to enhance their business expertise, as well as an executive candidate development program. Moreover, with the personnel appraisal system and the in-house application system, our employees will have more willingness to grow and feel more motivated and rewarded.

Our training and development systems





Specifically, the management and trainees exchange opinions in small groups in conjunction with stratified training six months after the trainees join the Company and when they are newly appointed as managerial personnel.

DX personnel development—Strengthening expertise that will be a source of competitiveness

For the realization of digital transformation (DX), we are developing DX personnel to advance efforts to increase productivity and generate added value utilizing digital technologies. Specifically, we are implementing "data analysis and visualization training" intended for all departments, on-the-job training (OJT) at K4 Digital Company, and similar programs.

Support for self-growth

A variety of systems have been developed as an opportunity to motivate each employee to develop their abilities and make autonomous challenges.

Certification bonus system	A system to provide money gifts to employees who passed the company-designated national exams for the encouragement of acquiring qualifications highly related to their work (approx. 200 qualifications, up to 500,000 yen) • Increased amounts of gift money are provided to those who acquired the company-designated important qualifications early (maximum increase of up to 200,000 yen)
Challenge training	Application-based training to support employees who voluntarily strive to have a broader viewpoint in a wide range of fields, which is difficult in routine work A variety of courses provided in three categories: "hands-on/tour type," "related to business at the Company," and "qualification acquisition"
Outside correspondence education and e-learning	Broad range of outside correspondence education and e-learning provided, from business skills to cutting-edge IT skills that serve as growth opportunities to motivate employees to develop their abilities and autonomously take on the challenge of expanding their horizons

Kansai Electric Power Co., Inc.

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Recognize Appraisal

Personnel appraisal system

We have put in place a mechanism to carefully evaluate* each employee's "attitude, abilities and qualities" and "level of contribution" to our corporate performance from the perspective of practicing our management philosophy, reflecting these in their salaries, etc., to provide employees with more willingness to grow and feel more motivated and rewarded. Appraisal results are reported from superiors to subordinates. In addition, communication opportunities for further growth are provided.

We have also adopted a multidimensional appraisal system, and introduced it for managers above a certain level as of fiscal 2021.

* When evaluating employees with exceptional attitudes, abilities, and qualities, the system is designed to allow additional points other than the points awarded within the prescribed range.

Relevant data

	2020/3	2021/3	2022/3	Year-on-year change
Number of trainees (in total)	34,478	29,414	31,442*	2,028
Hours spent in learning per employee	36.3 hours	36.9 hours	40.2 hours*	3.3 hours
Total training costs	1,738 million yen	1,540 million yen	1,462 million yen	-78 million yen
Training cost per employee	86,300 yen	85,800 yen	83,000 yen	-2,800 yen

* Estimated results

Sustainability for the H	Kansai Electric Power Group
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Kansai Electric Power Group

Environment

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Responsibilities Toward Customers



Securing a stable supply of energy

Policy and Concept

Energy risks faced by Japan

Japan's energy self-sufficiency rate is around 11%, including nuclear power generation, which is a very low value compared to major countries in the world. For most of its fossil fuel needs, Japan must rely on imports. Since energy resources on the earth are not inexhaustible, stably securing energy resources is a top-priority issue for Japan. For continued stable supply of energy in the future, it is vital to combine various power generation methods in a well-balanced manner, while not relying on only a single power generation method.

Energy self-sufficiency rates of major countries (for 2019, except FY 2020 for Japan)



Decarbonization drive

The Japanese government pledged in October 2020 to achieve carbon neutrality by 2050. Moreover, at the climate change summit in April 2021, it announced a greenhouse gas reduction target of 46% below fiscal 2013 levels by fiscal 2030. Taking these targets into account, the 6th Strategic Energy Plan, which was announced in October 2021, sets out energy policies to achieve carbon neutrality by 2050, with a 46% reduction in fiscal 2030.

• Facility configuration based on S+3E

With decarbonization movements gaining momentum, energy supply fails to keep up with demand. We therefore give top priority to Safety (S) while seeking an optimum, well-balanced combination of power sources to simultaneously achieve 3E, namely Energy security, Economy, and Environmental conservation. Specific measures include transforming renewable energy into the main power source, leveraging nuclear power to the fullest, achieving zero carbon in thermal power generation and using zero-carbon hydrogen.



Goals

The Kansai Electric Power Group is pursuing carbon neutrality by 2050 throughout the entirety of our business activities, including the power generation business, as declared in the Zero Carbon Vision 2050 and the Zero Carbon Roadmap, which outlines a pathway to zero carbon. Giving top priority to "S" (Safety), we are gearing up to achieve zero carbon in all electricity production while optimizing combinations of power sources to simultaneously achieve the 3Es (Energy security including stable supply, Economy, and Environmental conservation).



ustainability for the Kansai Electric Power Group		Social	Governance
	Kansai Electric Power G	roup Kansai Electric Power Co., Inc.	Kansai Transmission and Distribution, Inc.

Efforts

Approach for stable fuel procurement

Our ongoing efforts include securing procurement of fuel, improving flexibility in responding to fluctuations in power demand, and further improving the economic efficiency of the operations. Specifically, our efforts involve diversifying suppliers and pricing systems, and taking part in the LNG value chain from production to receiving of LNG, including upstream (interest acquisition) and midstream (transportation, etc.) operations, with various business activities underway.

Fuel prices, meanwhile, are soaring along with short supply due to the increasingly tense international situation caused by the war in Ukraine. We will thus continue to focus on international affairs and fuel market trends to secure fuel in a stable and cost-effective manner





• Enhanced spot trading for agile LNG procurement and sale



Trading Singapore Pte. Ltd., which was established in April 2017 to secure procurement of LNG and expand our sales network, plays a pivotal role in extending our information gathering network based in Singapore, the LNG trading hub in the Asia Pacific region. The role of KE Fuel Trading Singapore includes timely gathering of information such as spot LNG trading and promotion and improvement of our flexible LNG procurement/sale systems.

In an effort to deal with power demand fluctuations, KE Fuel

• Developing a full-scale nuclear fuel cycle

Uranium, a fuel for nuclear power generation, is produced in politically stable nations, which enables a stable supply. It can also be a "semi-domestic energy resource" mainly because a small amount of uranium is required for long-term power generation and spent fuel can be reprocessed and used again as fuel. Promotion of the "nuclear fuel cycle," a cycle of re-using uranium and plutonium out of fuels used at nuclear power plants, is a practical way to effectively use energy resources and secure stable energy for Japan, a resource-poor country.



^{*} MOX (mixed oxide) fuel: Plutonium mixed with depleted uranium Source: "Nuclear Power and Energy Drawings" (Japan Atomic Energy Relations Organization)

Interim storage facility

Spent fuels are stored in a spent fuel pool inside power stations for a certain period of time and then transported to a reprocessing plant. In case the pool is filled to capacity, the power station cannot be operated. For this reason, spent fuels have to be taken out in a planned manner. Installation of an interim storage facility, in which spent fuels are temporarily stored, enables the stable operation of power plants into the future. With the "Plan to promote measures for spent fuel" set up in 2015, we are working on selecting the candidate sites for interim storage facilities outside Fukui Prefecture, to be finalized by the end of 2023 for planned commencement around 2030.



Kansai Electric Power Group

Kansai Transmission and Distribution, Inc

Initiatives prioritizing safety at nuclear power plants

To prevent the lessons of the Mihama Nuclear Power Station Unit 3 accident from fading away

Policy and Concept

On August 9, 2004, an accident involving the rupture of secondary system piping occurred at Mihama Nuclear Power Station Unit 3. Based on the President's Declaration "Ensuring safety is my mission, and the mission of the Company," we have strictly implemented recurrence-prevention measures, with a firm determination that we shall never cause such accidents. The Nuclear Power Division has established Five Basic Principles as preventive measures that form part of our quality policy concerning the operation of nuclear power businesses with safety as the top priority. These measures are revised as necessary for safety improvement purposes. Making every August 9th our "Safety Vow Day," every employee observes a moment of silence. We are working to cultivate a safety culture in order to implement business management with safety as the top priority and prevent the lessons of the Mihama Nuclear Power Station Unit 3 accident from fading.

> Quality policy concerning the operation of nuclear power businesses with safety as the top priority

- 1. We will prioritize safety above all.
- 2. We will positively invest resources for safety purposes.
- 3. We will fully recognize the characteristics of nuclear power and continue our effort in reducing risks.
- 4. We will put our endeavor to recover the trust of plant-hosting communities and the whole country by further pushing ahead with the communication with them.
- 5. We will objectively assess our effort toward safety.

Goals

Give top priority to safety in business operations, based on lessons learned from the accident at Mihama Nuclear Power Station Unit 3.

Environment

Kansai Electric Power Group

Governance

(Kansai Transmission and Distribution, Inc.

Efforts

"Safety Vow Day"

- A stone memorial was erected in the premises of the Mihama Nuclear Power Station with a pledge not to repeat similar accidents.
- All employees shall commemorate the victims of the accident with a moment of silence every year on August 9 at 15:22 (the time of the accident) with each individual renewing his/her determination to give top priority to safety.
- The President and others renew vows of safety and observe a moment of silence before the stone memorial every year.
- All employees review their Conduct Cards on which they have written their own safe conduct oaths.

• Communication between management and front-line workers

All offices are visited by the president while executives (including those of other divisions) engage in face-to-face discussions with power station staff. It is an opportunity for front-line workers to communicate their opinions to management.

Improved communication with manufacturers and subcontractors

Continuous improvements are made through interactive communication to ensure the safe operation of nuclear power plants as well as strengthening the cooperative relationships we have with manufacturers and subcontractors. Opinions collected through questionnaires contribute to developing our safety culture, identifying unsafe operational practices in nuclear power plants and improving the work environment.

• Door-to-door visits with local residents

Our employees, including the Director of the Nuclear Power Division, visit each household in communities where our power plants are located (towns of Mihama, Ohi and Takahama in Fukui Prefecture) to engage in mutual dialogue.

In-house training

Tailor-made training courses are provided to all employees, from new recruits to newly-appointed managers, to brief them on the accident at Mihama Nuclear Power Station Unit 3 and help them learn lessons from it.



Sustainability for the Kansai Electric Power Group	Environment	Social	Governance

Kansai Electric Power Group

Kansai Transmission and Distribution, Inc.

Kansai Electric Power Co., Inc.

Establishment of a company proclamation: Commitment to Enhancing Nuclear Safety

Policy and Concept -

In response to the accident at the Tokyo Electric Power Fukushima Daiichi Nuclear Power Station, we established our Commitment to Enhancing Nuclear Safety, which clearly states our ideals about nuclear power safety, as a company proclamation that is one of our most important company rules. The company proclamation underlines our determination to constantly improve safety in nuclear power generation, whereby all executives and employees fully understand the characteristics and risks of nuclear power generation and always remind themselves of the potential magnitude of an accident, with the President playing a leading role in making company-wide efforts to protect local communities, society and environment.

Composition and summary

Preface	Every one of us shall remember the lessons learned from the Fukushima-Daiichi nuclear accident and ceaselessly strive to enhance nuclear safety to protect the people not only in the plant-hosting communities but also the whole country, and to preserve the environment.		
Characteristics of nuclear power generation and risk awareness	Nuclear power generation has superior characteristics in terms of energy security, prevention of global warming and economic efficiency, and is an essential power source for the future. On the other hand, nuclear power generation has risks of radiation exposure and environmental contamination. Every one of us shall always bear in mind that once a severe accident happens due to lack of proper management, it could cause enormous damage to the people and the environment.		
Continuous removal/ reduction of risk	To enhance nuclear safety, we shall fully understand the characteristics and risks of nuclear power generation and continually remove or reduce such risks while identifying and evaluating them, never believing at any moment that we have reached the goal of ensuring safety. These efforts shall be conducted at each level of the Defense-in-Depth.		
Development of safety culture	Safety culture is the basis for continuously removing or reducing risks. Since the accident of Mihama Nuclear Power Station Unit 3, we have been reviewing and improving our safety culture, and we shall develop such safety culture. To this end, we shall always be ready to question anything, learn from others and listen to the voices of society and discuss issues uninhibitedly while respecting diverse opinions with further efforts.		
Commitment to enhancing nuclear safety	Enhancing nuclear safety is the overriding priority in the company. It is also important to promote two-way communications with the people in the plant-hosting communities and the whole country, and to share common perceptions on nuclear safety. Under the President's leadership, every one of us shall work together to tirelessly enhance nuclear safety.		

Goals

Every one of us shall remember the lessons learned from the Fukushima Daiichi nuclear accident and ceaselessly strive to enhance nuclear safety to protect the people not only in the plant-hosting communities but also the whole country, and to preserve the environment.

► Efforts

In-house training

• A series of e-learning training courses are in place to help all employees understand our Commitment to Enhancing Nuclear Safety.

• Each department voluntarily holds group discussions while managers communicate safety messages to raise safety awareness among employees.

Sustainability for the Kansai Electric Power Group	Environment	Social	Governance
	Kansai Electric Power G	roup Kansai Electric Power Co., Ir	nc. (Kansai Transmission and Distribution, Inc.)

Safe and stable operation of power plants

Policy and Concept -

Take all possible measures to safely and carefully operate and maintain nuclear power plants, underlining our determination to constantly improve their safety.



Goals

Giving top priority and paying the utmost attention to safety, we ensure safe operation and proper maintenance of Units 3 and 4 of the Takahama Nuclear Power Station and the Ohi Nuclear Power Station, and Mihama Nuclear Power Station Unit 3, each of which has resumed operations. Our voluntary efforts to ensure safe and stable operations will continue with the safety of our nuclear power plants improved continuously.

Efforts -

Key safety measures

Careful inspection and examination

In an effort to ensure the safe and stable operation of our nuclear power plants, facilities and instrumentation are regularly inspected and shut down in accordance with the relevant laws and regulations, all of which is intended to protect shop-floor employees and maintenance personnel.

• Data on regular inspection results and facility conditions is reviewed to determine the content and frequency of inspections according to the characteristics of each facility. This approach serves as the basis of our inspection and maintenance protocol.

Education and training of plant employees (operators, maintenance personnel, etc.)

Improving the technical skills of shop-floor employees (operators, maintenance personnel, etc.) is key to the safe and stable operation of nuclear power plants. In-house and external training is conducted on a regular basis.

- OJT is conducted through routine practice.
- Operators regularly simulate normal operating procedures and practice troubleshooting.
- Maintenance personnel are trained on inspection work at the Nuclear Power Training Center, using the same instrumentation one would find at a power plant.

Five-layered wall structure to contain radioactive substances

Uranium nuclear fission at nuclear power plants produces radioactive substances, which are contained in a building with a five-layered wall structure (pellets, cladding tubes, pressure vessels, containment vessels and external shielding walls).

In-depth defense system

Nuclear power plants are designed to prevent malfunctions and operational errors when, in the event of failure, reactors are immediately shut down, followed by the cooling and containment of radioactive substances.

Sustainability for the Kansai Electric Power Group	Environment	Social	Governance

Kansai Electric Power Group

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

SOCIAL

Reactor cooling system

Following a shutdown, residual heat removal pumps are activated to operate coolers, which cool the primary system water. In the event of a complete power loss, auxiliary feed pumps powered by steam-driven turbines feed water to steam generators, which cool the primary system water.

Safety measures to deal with various risks

Toward improved safety and confidence

Learning lessons from the accident at the Tokyo Electric Power Fukushima Daiichi Nuclear Power Station, the new regulatory requirements provide measures against earthquakes and tsunamis, with design standards revised to prevent similar accidents; taking into account the risks of natural disasters in Japan, these standards cover various other risks such as volcanic eruptions, tornadoes and forest fires. Complying with these new regulatory requirements, we are renovating our licensed power plants to protect them against severe accidents, earthquakes, tsunamis, tornadoes and fires. At the same time, voluntary efforts are underway to improve plant safety.

Nuclear material protection

Security measures (zoning, barrier installation, patrol, intrusion detection, access control, etc.) are in place in compliance with relevant laws and regulations to protect nuclear materials from theft and those who might attempt to damage or destroy the nuclear facilities. The police and the Japan Coast Guard, moreover, are immediately notified of any emergencies to take concerted action. At the same time, security measures are reviewed mutually by all nuclear power operators to make improvements with other operators through learning.

Improving technical capabilities and systems in the event of a severe accident

Conducting nuclear power disaster response training in collaboration with national and local governments

Disaster response training programs are underway at our nuclear power plants, the Nuclear Power Division and the head office, some of which are conducted in collaboration with national and local government, manufacturers and subcontractors. Specifically, comprehensive training programs are conducted without prior notice to participants, simulating severe conditions, where emergency response capabilities are tested for improvement purposes. This includes the feasibility of post-accident remedial measures using water trucks and alternative portable low-pressure water pumps, which is already part of routine drill exercises at each of our power plants, and the examination of the communication systems in place for each task force.

Education and training tailor-made for each role and responsibility

Supervisors and operators undergo repeated education and training according to their roles and responsibilities, in how to respond to a severe accident. This is to improve their emergency response capabilities and technical skills. Contents and target employees of this education and training were made more diversified than those at the time right after the accident at the Tokyo Electric Power Fukushima Daiichi Nuclear Power Station. In fact, the total number of trainees training on plant behavior during a severe accident has increased significantly, as has the frequency of training on emergency response procedures.

Creating a response system

Improving the out-of-hours response system

Emergency personnel stand by around the clock at Mihama, Takahama, and Ohi Nuclear Power Stations, taking into account findings learned from the accident at the Tokyo Electric Power Fukushima Daiichi Nuclear Power Station. They are in charge of the initial response to an incident, where resources are mobilized within six hours after an accident has been declared.

Improving the Nuclear Emergency Assistance Center

The Nuclear Emergency Assistance Center (at Mihama, Fukui Prefecture) was jointly established by nuclear operators and went into full-scale operation in December 2016. Here remote-controlled equipment and instruments have been upgraded for flexible, advanced disaster response while emergency personnel of respective nuclear operators are trained. In the event of an emergency, equipment and instruments can be transported to a disaster site, with remote-controlled assistance provided to jointly minimize radiation exposure of shop-floor employees.

Cooperation between nuclear operators

Nuclear operators are expanding their cooperative relationship to further improve the safety and reliability of their operations.

Mutual cooperation agreement between five electric power companies in western Japan
 A mutual cooperation agreement has been signed between our Company, Chugoku Electric Power, Shikoku Electric Power, Kyushu
 Electric Power, and Hokuriku Electric Power. This agreement is designed to improve preparedness and emergency responses to nuclear
 power disasters by providing mutual assistance, equipment, instruments, etc., as well as taking advantage of their geographical
 proximity. There is also agreement to cooperate in conducting decommissioning in a safe, well-organized manner and setting up
 special facilities to deal with designated severe accidents, all intended to further improve the safety and reliability of nuclear power
 generation.

istainability for the Kansai Electric Power Group	Environment	Social		Governance	
	Kansai Electric Power G	roup Kansai Elect	ric Power Co., Inc.	. Kansai Transmission and Distribution, Inc.)

• Technical cooperation agreement between four electric power companies with pressurized water reactors (PWRs) A technical cooperation agreement has been signed by four companies (Hokkaido Electric Power, Kansai Electric Power, Shikoku Electric Power, and Kyushu Electric Power) that own the same pressurized water type nuclear power plant. With this agreement in place, the four companies, each of which operates PWRs, exchange their technical knowledge and experience, where they share information on power plant operation management in other countries and examine new technologies to further improve reactor safety.

Supporting municipal evacuation plans

Efforts toward nuclear emergency preparedness

While a variety of safety measures are in place at our nuclear power plants, we cooperate with national and local governments in minimizing impacts on local residents in the event of a nuclear disaster involving the massive release of radioactive substances. These activities are in line with relevant laws including the Disaster Countermeasures Basic Act and the Act on Special Measures Concerning Nuclear Emergency Preparedness. Nuclear operators are and will be making full efforts to ensure nuclear safety and prevent disasters in cooperation with national and local governments.

Communication in the event of a nuclear disaster

In the event of a nuclear disaster, we as nuclear operators shall immediately report to the relevant authorities at all levels; all the parties concerned shall get together at the Offsite Center to share information and determine protective measures for local residents as the situation demands, while the nuclear disaster task force of each municipality communicates the center's decisions to local residents.

Supporting nuclear disaster victims

- Providing transportation for evacuation We shall mobilize all resources available to help local residents evacuate; this includes the provision of evacuation supervisors and transportation such as employee shuttle buses, welfare vehicles and contracted helicopters and vessels.
- ullet Assisting and managing testing during an evacuation

At the request of municipalities, we shall assist and manage testing at the time of evacuation, targeting all those evacuated from the Urgent Protective action planning Zone or UPZ. Inspectors shall be provided along with equipment such as contamination survey meters and Tyvek suits.

- In order to increase the number of inspectors for evacuation (to secure about 3000 inspectors), agreements between nuclear operators were revised in March 2021.
- Providing necessities We provide necessities such as food and blankets as well as radiation protection facilities.

Participating in relevant municipal governments' emergency response drills

We cooperate in relevant municipal governments' emergency response drills where we provide buses, welfare vehicles, and staff for testing to support and facilitate evacuation of residents. We will continue this cooperation to help evacuate residents in times of disasters.

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Over 40 years of operation

Policy and Concept -

Nuclear power, a well-balanced energy source contributing to 3E (Energy security, Economy and Environmental conservation; achieving a zero-carbon society), is essential in resource-poor Japan. As a result, nuclear power generation should be maintained at a certain level to ensure energy security and develop technical/human resources, whereby accident-proof nuclear power plants can be operated for over 40 year-spans. Therefore, we will be making the most of our nuclear power plants, placing a premium on their safe operation.

Goals

We ensure safe and stable operation of the over 40-year-old Mihama Nuclear Power Station Unit 3, which has restarted recently. Takahama Nuclear Power Station Units 1 and 2 are also gearing up for restart, with safety improvement construction completed and activities such as tests, inspections, and drills underway.

In addition, we aim to communicate the importance and safety of operating nuclear power plants for over 40 years to local communities and residents.

Efforts -

Our Company has always maintained the durability of our nuclear power plant facilities by continuously implementing maintenance and management, including regular inspections and planned equipment replacements. At the time of our application for an operation period extension for 40 years from the starting month of operation, in accordance with the law, for Takahama Nuclear Power Station Units 1 and 2 and Mihama Nuclear Power Station Unit 3, special inspections were carried out for reactor vessels and other equipment. In addition, technical evaluations of degradation from age were carried out, confirming that the durability of important facilities for safety could be assured even for an operation period of 60 years. After these examinations, we received operation period extension approvals from the Nuclear Regulation Authority for both power stations.

Mihama Nuclear Power Station Unit 3 restarted in June 2021 with the consent of the local communities, and safety improvement construction has been completed at Takahama Nuclear Power Station Units 1 and 2 where inspections, drills, etc. are underway to resume operation. In addition, we are communicating face-to-face with stakeholders through plant tours, community events and participation in briefing sessions and lectures to help them better understand our nuclear power plants' operation of more than 40 years. We will also continue to proactively communicate with the public as well as communities near the plants.



Mihama Nuclear Power Station Unit 3, back in operation



Online energy seminar as part of external events

(Kansai Transmission and Distribution, Inc.

Reliable decommissioning processes

Policy and Concept -

- We comply with the relevant laws and regulations on decommissioning, while giving top priority to safety in order to minimize exposure, reduce radioactive waste and properly manage security measures.
- We have designed safe decommissioning procedures and processes, incorporating effective decontamination techniques, remote-controlled equipment and measures to prevent the spread of contamination—all intended to minimize the exposure of those engaged in radiation-related work, strictly complying with statutory dose limits. In addition, a safe storage period is set for zones with relatively high radiation levels, taking into account the attenuation of radioactivity.
- We will continue to work on a series of measures for safe decommissioning, environmental conservation and regional development, according to the Agreement on Nuclear Power Plant Decommissioning, which was signed with Fukui Prefecture, Mihama Town and Ohi Town.

Goals -

Securing human and environmental safety

With safety prioritized, we will focus on minimizing exposure and radioactive waste as well as properly managing security measures.

Designing safe decommissioning procedures and processes

We will design safe decommissioning procedures and processes, incorporating effective decontamination techniques, remote-controlled equipment and measures to prevent the spread of contamination, as well as operating waste disposal facilities to minimize the exposure of neighborhood residents and those engaged in radiation-related work.

Foolproof system

The Decommissioning Management & Engineering Center cooperates with subcontractors in decommissioning nuclear power plants in a safe and foolproof manner.

Activities according to the Agreement on Nuclear Power Plant Decommissioning

We will continue to work on a series of measures for safe decommissioning, environmental conservation and regional development.

Efforts -

Radioactive waste treatment and disposal

Solid radioactive waste treatment

Non-radioactive general waste accounts for about 97% of decommissioning waste while radioactive waste is disposed of at designated facilities prior to completion of decommissioning in accordance with its radioactive level.

Meanwhile, waste that does not need to be treated as radioactive waste (clearance) is recycled as much as possible, following approval by the national government.

Treatment of gaseous and liquid radioactive waste

Gaseous and liquid radioactive waste is properly treated before being released into the environment, with strict monitoring in place.

Decommissioning with safety prioritized

Decommissioning broadly consists of four stages that take about 30 years to complete. Appropriate measures are in place for decommissioning, with the highest priority given to safety. In July 2022, sections in charge of decommissioning work were newly set up in the Mihama Nuclear Power Station and the Ohi Nuclear Power Station, which strengthens our decommissioning system.

Decommissioning at Mihama Nuclear Power Station Units 1 and 2

O Dismantling of equipment, etc. in the turbine buildings

Dismantling of contamination-free equipment, etc. was carried out at the turbine buildings (items that may serve as obstacles to the dismantling process such as piping, frames, and other small pieces of equipment) in addition to large equipment such as turbines, condensers, and deaerators.

○ Transportation of new fuel

New fuel (unused fuel assembly) kept in the power plants is being shipped in transportation casks for processing at fuel fabrication manufacturer plants at home and abroad.



Sustainability for the Kansai Electric Power Group	Environment		Social	 Governance
	Kansai Electric Power C	roup	Kansai Electric Power Co., Inc.	Kansai Transmission and Distribution, Inc.

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SOCIAL

Decommissioning at Ohi Nuclear Power Station Units 1 and 2

System decontamination

Using chemicals, we conducted work to remove radioactive substances on the inner surface of equipment and piping, a process to protect workers from radiation exposure and facilitate dismantling.

O Dismantling of equipment, etc. in the turbine buildings

Dismantling of contamination-free equipment, etc. is underway at the turbine buildings (items that may serve as obstacles to the dismantling process such as piping, frames and other small equipment) in addition to large equipment such as turbines and moisture separator heaters.

Activities as a pioneer of decommissioning

Japan's first decontamination of a pressurized water reactor (PWR) system

The system decontamination procedure underway at Mihama Nuclear Power Station Units 1 and 2 is unprecedented, involving the decommissioning of PWRs, which requires advanced and special techniques. Therefore, any and all literature on system decontamination and plant manufacturer expertise were extensively surveyed from sources both home and overseas from the perspectives of "foolproof decontamination" and "reduction of waste produced by decontamination."

This has led to cooperation with overseas manufacturers with proven track records in decontamination and with domestic manufacturers producing the same equipment as those used in Mihama Nuclear Power Station Units 1 and 2 (and hence well-versed in all aspects of the station). As a result, as originally planned more than 90% of the radiation has been removed, with safety prioritized.

Learning from the world

The work at Mihama Nuclear Power Station Units 1 and 2 is expected to pioneer the decommissioning of PWRs while research on decommissioning is underway in partnership with universities and the Wakasa Wan Energy Research Center. In addition, information sharing agreements are in place with nuclear operators in US, France, Spain, South Korea, etc. on many aspects of nuclear power generation (including decommissioning) to learn from safety improvement measures in these countries.

Cooperation with nuclear operators in Japan

We signed an agreement with Hokuriku Electric Power, Chugoku Electric Power, Shikoku Electric Power and Kyushu Electric Power on cooperation across nuclear power businesses to facilitate safe decommissioning including reviewing techniques and procurement for large-scale decommissioning, information sharing on decommissioning processes, etc.

Review of techniques and procurement for large-scale decommissioning

Measures such as joint material procurement are underway for safety and efficiency improvement purposes, according to the schedule of large-scale decommissioning projects at each power company including the inspection of the reactor interior, etc.

Information sharing on decommissioning processes

The status of decommissioning projects at each power company is mutually monitored to facilitate safe decommissioning while information on expertise, best practices and concerns in other countries are shared.

Local business development and employment promotion

According to the Agreement on Nuclear Power Plant Decommissioning (which was signed with Fukui Prefecture and Mihama Town on February 10, 2016, and with Ohi Town on November 22, 2018), the timing and procedures for decommissioning are being planned and announced, based on coordination with local businesses and employment promotion policies related to the decommissioning work.

Information sharing for each decommissioning process

In cooperation with the Wakasa Wan Energy Research Center, contractors and subcontractors share information on decommissioning processes to encourage the participation of local businesses according to their technical capabilities.

O Information sharing, implemented three times for Mihama Nuclear Power Station Units 1 and 2 (on March 2017, January 2018 and January 2019) O Information sharing, implemented three times for Ohi Nuclear Power Station Units 1 and 2 (on March 2020, July 2021 and February 2022)

Research with local businesses

Research on decommissioning is underway with local businesses and other stakeholders to address and solve technical challenges, thereby streamlining decommissioning processes and improving their reliability. At the same time, assistance is provided to local businesses committed to developing new techniques to aid with decommissioning.

○ Four techniques were adopted in fiscal 2016, two in fiscal 2017, one in fiscal 2018, two in fiscal 2019, two in fiscal 2020 and one in fiscal 2021.

Human resources development for decommissioning

Guidance on decommissioning, lectures on relevant techniques, study tours and first-hand experience programs are provided in cooperation with the Wakasa Wan Energy Research Center.

O Conducted 28 times between fiscal 2016 and 2021, including 15 in-house programs

Supporting the Fukui Prefecture Reinan E Coast Plan

We voluntarily participate in a review task force for the Nuclear Recycling Business initiative to be launched by the Fukui Prefectural Government, with feasibility studies underway.



ustainability for the Kansai Electric Power Group	Environment	Social	Governance

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Voluntary efforts to enhance nuclear safety

Policy and Concept -

Learning lessons from the accident at Mihama Nuclear Power Plant Unit 3, we place a premium on nuclear safety. Specifically, the accident at Tokyo Electric Power Fukushima Daiichi Nuclear Power Station made us aware that our understanding and preparedness for risks unique to nuclear power generation were not necessarily sufficient. We, therefore, established a roadmap to "step-up voluntary/continuous efforts to improve nuclear safety," based on which various measures are being implemented.

Goals -

Efforts are underway to realize a nuclear safety ideal, which translates into development and implementation of a framework for voluntary/continuous safety improvement measures as well as incorporating external knowledge for further improvement, in accordance with our "Commitment to Enhancing Nuclear Safety."

Efforts

Communication and standardization of a philosophy, giving top priority to safety Improving governance for management of nuclear safety

 \odot The management takes the lead in communicating our philosophy of giving top priority to safety with all employees, paying close attention to their opinions.

• The management leads dialogue with employees as a facilitator and reviews operations to put greater emphasis on listening to on-site issues and discussing solutions.

Fostering safety culture

O Learning lessons from the accident at Mihama Nuclear Power Station Unit 3, we assess our corporate safety culture while promoting improvement activities.

• Taking into account self-assessment results from each department and the management, we comprehensively analyze the status of all departments involved in nuclear power and identify organizational conditions and challenges through discussion with the management.

• We incorporate resulting remedial measures into next year's priority measures (i.e. improvement of communication, with focus on the mid-level management's role).

Building safety improvement infrastructure

Strengthening resources (human resource development)

O We are training and educating "nuclear safety personnel" according to our human resource development plan.

- Communication skill training programs are in place for OJT instructors.
- Participants learn about hands-on instruction through practice, focusing on communication that helps them grow according to the skills of those they communicate with. They also learn not only examples of success but also failure.

Safety improvement activities

Promoting safety improvement measures

O Safety improvement construction work has been completed at Takahama Nuclear Power Station Unit 2 for over 40 years of operation.

- Fire prevention construction work has been completed at Takahama Nuclear Power Station Unit 2 in response to stricter design standards, with all relevant facilities installed or replaced*.
- * Installation and replacement of facilities approved by the government for safety improvement purposes.

Boosting the accident response capacity

○ Nuclear power comprehensive emergency response drills were conducted in cooperation with the national government and prefectural governments to reinforce nuclear accident response capabilities.

- The drills involved task force operations, accident control, and community evacuation support, assuming loss of plant power due to an earthquake.
- Aid tools were developed to quickly and accurately communicate emergency information to the national government and prefectural governments so that they can decide whether to evacuate local residents. The tools were proved effective through the drills.
- \odot Efforts are underway to improve emergency response capabilities in preparation for unexpected nuclear disasters.
- "Stress training" programs were conducted for plant task force leaders to help them handle severe accidents where a variety of stressful situations occur simultaneously or in succession.
| Sustainability for the Kansai Electric Power Group | Environment | Social | Governance |
|--|-------------------------|---------------------------|---|
| | Kansai Electric Power G | roup Kansai Electric Powe | er Co., Inc. Kansai Transmission and Distribution, Inc. |

• Developing and improving systems to manage risks, etc.

Continuously improving our risk management system

- \bigcirc Risk management is in place to prevent accidents and disasters.
- Potential on-site risks are identified through interviews on requests for facility improvements in order to design key safety measures.
- Patrols are conducted by contracted industrial safety consultants.

Developing and improving tools for risk management and assessment

○ We have developed a risk assessment tool (PRA*1 model) and plan to promote its use in plant operations.

- Risk assessments using pre-reconstruction PRA were conducted at Takahama Nuclear Power Station Units 1 and 2, and Mihama Nuclear Power Station Unit 3.
- Gravity assessments were conducted based on Corrective Action Program (CAP) for problems identified at power plants for which PRA is required.
- The results of PRA and stress tests*² reflecting facilities at Takahama Nuclear Power Station Units 3 and 4, which are vulnerable to designated severe accidents, were made public in the 3rd Safety Improvement Evaluation Report.
- Plant information (e.g. facilities vulnerable to designated severe accidents) and technical findings were reflected in PRA models for Ohi Nuclear Power Station Units 3 and 4.
- *1 Probabilistic Risk Assessment: A scenario where events that can take place at facilities such as nuclear power plants develop into serious accidents (core damage, etc.) is systematically and comprehensively considered to quantitatively determine the probability of core damage and other accidents.
 *2 Assuming that our nuclear power plants are struck by unexpectedly large earthquakes or tsunami, critical facilities and equipment important to safety are tested for their strength and
- *2 Assuming that our nuclear power plants are struck by unexpectedly large earthquakes or tsunami, critical facilities and equipment important to safety are tested for their strength and durability, with the virtual intensity of such natural disasters increased gradually—a method to determine the overall safety margin of each plant.

Designing and improving other management systems

O Occupational health and safety management systems are continued in operation.

• Occupational health and safety meetings confirmed that appropriate occupational health and safety management systems are securely in operation.

Incorporating objective evaluation and external knowledge

O Safety measures at our nuclear power plants are monitored and evaluated for improvement purposes.

• Staff from other electric power companies interviewed our employees at the Mihama Nuclear Power Station and observed work procedures to provide us with technical and objective findings and suggestions.

○ The Nuclear Power Division quantitatively evaluates (control index) the safety performance of our nuclear power plants and performs on-site observations for assessment purposes.

- Power plant improvement activities are continuously evaluated according to PI*1, a tool to manage power plant performance. In addition, the Nuclear Power Division managers regularly perform on-site inspections (MO*2) and communicate the PI and MO results within the division on a quarterly basis, followed by discussions at divisional oversight*3 review meetings.
- Operational information is shared with overseas electric power companies, especially among working-level staff, to incorporate quality practices and knowledge from around the world.
- Operational information was shared with EDF (France) and Iberdrola (Spain) (on five occasions).
- \odot Peer reviews were conducted with WANO*4 and JANSI*5, with improvement activities implemented.
- We confirmed that action plans responding to suggestions previously made were put into practice. We have developed action plans to respond to recommendations from peer reviews between JANSI and the Ohi Nuclear Power Station. The Takahama Nuclear Power Station incorporated JANSI's review results to make use of overseas knowledge, with action plans being developed according to recommendations made.
- *1 Performance Indicator: An index for quantitative management of power plant performance
- *2 Management Observation: Power plant observation by the Nuclear Power Division and plant managers *3 Oversight: An activity where power plant safety measures are overseen and evaluated to make improvements.
- *4 World Association of Nuclear Operators
- *5 Japan Nuclear Safety Institute

Improving communication

Promote risk communication*

O Mutual communication is practiced to address questions and concerns from the public and jointly come up with solutions.

- Study tours are offered to the general public where they are briefed on the procedures for over 40-years of operation, the need for and the safety of nuclear power generation at PR facilities with the use of VR and other means.
- * A mechanism whereby the risk aspects of nuclear power generation are shared and the public's opinions are incorporated into business management.

SOCIAI

Sust	ainability for the Kansai Electric Power Group	Environment Kansai Electric Power Gro	Social up Kansai Electric	Power Co., Inc. Kansai	Governance
•	Relevant data				
		2019/3	2020/3	2021/3	2022/3
-	Number of participants in training and practice programs for nuclear power disasters	About 5,900	About 5,700	About 5,400	About 5,000
_	Number of nuclear power disaster drills	_	About 6,100	About 5,200	About 10,700



Kansai Electric Power Co., Inc.

Kansai Transmission and Distribution, Inc.

Efforts for cyber security measures

Policy and Concept -

Amid increasing cyber attacks targeted at important infrastructure operators around the world, as an important infrastructure operator in the electric power business, the Group believes that its key commitment to customers and society is to steadily advance cyber security efforts to ensure the safe and stable supply of power. To fulfill this responsibility, we are strengthening cyber security measures in accordance with the relevant laws, regulations and guidelines for cyber security management, along with internal regulations. Moreover, as cyber attack methods are evolving day by day, becoming more complex and sophisticated, we strive to obtain cyber attack information from inside and outside Japan in addition to the latest security information to prepare countermeasures in a timely manner.

System

Director responsible: Makoto Araki [Kansai Electric Power CISO (Executive Vice President)] Deliberative body: Executive Meeting

Management office: Cyber Security Administration Group, Office of IT Strategy (Information Security Management Office)

Goals

Major information security incidents "0"

Efforts

By quickly recognizing threats such as security incidents and vulnerabilities that occur outside the Company, as well as issues with our Information Technology (IT) systems used in our daily work and all Operational Technology (OT) systems related to the provision of a stable power supply, we are continuously implementing necessary security measures.

Specifically, risk assessments are made for IT and OT systems, necessary technical measures are taken, and monitoring is carried out 24 hours a day, 365 days a year at dedicated IT and OT monitoring centers. In addition to an emergency response system established in preparation for incidents, we are continuing to provide drills for how to respond to cyber attacks as well as relevant training for employees. We are gathering information about cyber attacks that occur outside the Company and the latest security information inside and outside Japan through, for example, the activities of the Japan Electricity Information Sharing and Analysis Center (JE-ISAC*), an organization that undertakes the sharing and analysis of cyber attack information from electric power businesses. Moreover, countermeasures are reviewed as needed.

* An organization where business operators share and analyze information from the perspective of cyber security in order to ensure the stability of the supply of electricity in Japan



Company-wide training to respond to cyber attacks



Kansai Electric Power Co., Inc.

Kansai Transmission and Distribution, Inc.

Governance

Providing services as a consolidated group

Policy and Concept -

Creating a prosperous future with customers

Our Group has been meeting the various demands of our customers and society by offering total solutions that combine our services, including comprehensive energy supply which is mainly offering electricity, as well as telecommunications, daily life and businesses. While customers and society have increasingly different needs, with social changes triggered by the global decarbonization movement and COVID-19 infection, we are committed to exceeding customers' expectations so that they will continue to select the Kansai Electric Power Group. Specifically, we are addressing head-on the needs and problems of customers and society while expanding and providing valuable service solutions to serve the public, businesses and communities.

Goals -

Customer satisfaction survey: Satisfaction index 90% or higher

Efforts

Services for residential customers

We offer a variety of services to help customers live comfortably, conveniently and economically. These include electric bill structures that meet customers' lifestyles, combined price plans for gas and electricity, total electric conversion for a zero-carbon life and integrated plans for energy and electric equipment.

We also have services that are helpful for our customers' daily lives, including a service to dispatch support personnel to customers experiencing problems, such as sudden power outages, as well as opening an EC mall designed to make life more convenient. All these solutions are available, tailormade to the needs and lifestyles of customers.

As a comprehensive energy company, we will continue to promote initiatives for customer satisfaction.

Capturing customers' feedback to create and improve services

We work to create and improve services in response to requests received from customers through our contact centers, website, etc. so we can meet our customers' needs.

Number of services improved and created based on customers' feedback (2021. 4 – 2022. 3 results) 600



Customer satisfaction survey

We conduct "Customer Satisfaction Surveys" asking our customers to assess how understandable our telephone operators' explanations regarding inquiries such as "The lights in the house went out suddenly." We receive high evaluations from a lot of customers. We will keep working to make our customers more satisfied by utilizing the evaluation results for improvements in services and businesses.



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

Lifestyle services with the confidence of our customers as the foundation

By addressing head-on the needs and problems of customers, we aim to become a corporate group that continues to provide new value to customers; we offer safe, comfortable, and convenient lifestyle services in the areas of home security, communication services, and health management support, at high quality and reasonable prices that will satisfy our customers.



• Services for corporate customers

We offer a wide range of services, including energy sales, energy management system services, energy solutions (PV, storage batteries, electrification, etc.), mobility services and business solution services. All these are designed to help customers solve increasingly diversified and complex management and social issues, such as growing environmental needs associated with decarbonization and carbon neutral initiatives, and constantly changing business environments due in part to intensifying natural disasters.

Example of on-site solar power generation services provided

We provided on-site solar power generation services to Trial Company, Inc., where the Super Center Tondabayashi (Osaka Prefecture), a supermarket opened in the spring of 2020, uses green electricity to power the entire store, thereby contributing to environmental conservation.

They plan to continue using the services and opt for solar power generation for captive consumption while looking at combining solar power generation with storage battery solutions as part of its Business Continuity Plan (BCP). We will therefore further strengthen our partnership to help them expand their business.



Trial Company logo and solar panels

Examples of adopting utility services

Since its opening in 1942 as Makita Clinic (Omori, Ota-ku, Tokyo), Makita General Hospital has been providing local medical care for about 80 years. Relocated to a brand-new building in Kamata, Ota-ku in February 2021, this customer has adopted utility services from Kanden Energy Solutions Co., Inc. (hereinafter, Kenes).

Kenes' utility services perfectly corresponded to the customer's needs of CO₂ emission reduction as well as cost-effectiveness in consideration of the large amount of capital required for relocation to the new building. In addition to the cost advantage of installing the latest high-efficiency equipment without initial investment, Kenes' extensive experience in energy management for medical and welfare facilities was a deciding factor in choosing its services, the customer commented.

Kenes has been monitoring and analyzing actual energy consumption since the start of the services to ensure that the hospital environment is comfortable, energy-efficient, and cost-efficient. Kenes is committed to thoroughly ensuring preventive maintenance in a planned manner, pursuing optimal operation and further improvement.



Makita General Hospital



Sustainability for the Kansai Electric Power Group	Environment	Social	Governance
	Kansai Electric Power G	Group Kansai Electric Power Co., I	nc. Kansai Transmission and Distribution, Inc.

Examples of services for corporate customers

Examples of services for corporate customers			
Enudge [®] (Kansai Electric Power Co., Inc.)	Next-generation energy platform. In addition to encouraging energy-saving behaviors, this service provides integrated solutions for operational improvement and renovation of store equipment and operational support for individual stores.		
Omaka Save-Air® (Kansai Electric Power Co., Inc.)	A new air conditioning control service equipped with our proprietary Al-based auto-tuning function. A control computer installed on the air conditioner used by the customer automatically controls the air conditioner according to the usage situation and thereby achieves "energy saving" while maintaining "comfort."		
Solar power generation on-site service (Kansai Electric Power Co., Inc.)	A service in which dispersed power generation equipment such as solar power generation equipment and storage batteries are installed on the customer's premises at our expense for long-term operational use. Customers can reduce their environmental burden by using energy from the equipment we operate.		
Kanden comprehensive disaster mitigation service (Kansai Electric Power Co., Inc.)	Utilizing our long-cultivated knowledge about disaster mitigation as a comprehensive energy company, we coordinate and provide products and services necessary for corporate customers to respond to various "unexpected" events (safety confirmation system, emergency fuel delivery service, emergency power generator rental service, etc.).		
Utility service (Kanden Energy Solution Co., Inc.)	A service that enables customers to outsource facility management and even makes initial financing unnecessary for them by providing comprehensive services from fund-raising and design to installation and maintenance administration for utility facilities related to energy, including power receiving equipment, air-conditioning and heating equipment and boilers.		

The companies that provide the services are indicated inside parentheses.

• Relevant data

	2020/3	2021/3	2022/3
Number of reform cases based on customer feedback (cumulative)	129	140	200
Customer satisfaction (telephone consultation)	92.2%	91.5%	92.1%
Number of Hapi e-Miruden* subscribers	5,522,000	5,912,000	7,254,000

* A web-based service that provides notifications related to electricity and gas charges and usage (a service provided by the Kansai Electric Power Co., Inc. only)

Sustainability for the Kansai Electric Power Group	Environment		Social		Governance
	Kansai Electric Power G	oup	Kansai Electric Power Co., In	ic.)	Kansai Transmission and Distribution, Inc.

To provide high-quality electric power

Policy and Concept

Our quality policies for the safety of our electric facilities

Ensuring safety

Maintaining high supply reliability

In order to ensure safety and a reliable supply amid an extremely harsh business environment, we are reviewing the way we do business, which includes checking if there are any oversights in risk management related to supply reliability, and increasing operational efficiency on the premise of not sacrificing safety and quality. While maintaining these efforts, we will carry out the following activities.

- Maintain electric facilities based on ensuring safety.
- Strive to prevent accidents caused by human error.
- Carry out our business in compliance with relevant laws, regulations and internal rules.
- Set and review quality goals in line with our quality policies.
- Confirm that front line workers are familiar with our quality policies.
- Review the appropriateness of the quality policies.

Goals

Annual duration of power outage per household

"Maintain the highest standard in the world"

► Efforts

• Toward a safe and stable supply

Our commitment is to ensure the operation of power grids between power plants and customers, optimize facilities, and prevent and respond quickly to power outages.

As a result of our efforts, with the exception of major natural disasters, we are maintaining one of the world's highest power quality levels in the transmission and distribution business.

Annual duration of power outage per household



Sustainability for the Kansai Electric Power Group	Environment	Social	Governance

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

Achieving electricity resilience

On September 4, 2018, the powerful Typhoon No. 21 ripped through the Kansai area, causing breakages totaling more than 1,300 utility poles and a power outage affecting roughly 2.2 million households in total. We apologize to our customers for the inconvenience and trouble caused by the extensive and long-term power outage.

With natural disasters intensifying nationwide, the Electricity Resilience Working Group* compiled verification results regarding our response to these emergencies. On July 1, 2020, the Acts for Establishing Resilient and Sustainable Electricity Supply Systems came into force. With the aim of fulfilling our power supply obligations through prompt restoration of the power supply, we have created an inter-business collaboration plan for disaster response and have started its implementation. This plan specifies cooperation with general power transmission and distribution business operators and related organizations (local governments, Self-Defense Forces, etc.). In line with the plan, by addressing issues presented by the Electricity Resilience Working Group and sharing the lessons learned from Typhoon No. 21, we are determined to fulfill our mission of supplying safe and stable electricity and supporting society. To that end, we will develop and introduce new technologies and new construction methods, as well as systematically maintaining or replacing aging equipment, aiming for prevention of accidents and prompt restoration of the power supply. We will continue to step up our efforts for quick recovery in the event of an emergency.

A joint working group of the Electricity and Gas Basic Policy Subcommittee under the Advisory Committee for Natural Resources and Energy, and the Electric Power Safety Subcommittee under the Industrial Structure Council

Examples of countermeasures taken following Typhoon No. 21

- Quick information gathering using smartphones
- Understanding the scope of damage using drones; using this information for restoration work
- Trial operations of power outage information collection utilizing smart meter data
- Bolstering a broad support system inside and outside the company
- Timely provision of information to the customer on power outages and restoration work

Understanding the scope of damage using drones; using this information for restoration work

In places that are difficult to access, such as a site following a landslide, we use drones to check the status of equipment so we can quickly grasp the whole picture.

Drones are also expected to be used in restoration work, for example, for overhead wiring of a cord to replace power lines.



Damage investigation by aerial drone video



Using a drone for overhead wiring of a cord to replace power lines



A drone taking off with a cord

Introduction of a third-generation automated power distribution system

Twenty years have passed since the introduction of the conventional automated power distribution system. To address technical issues associated with the mass introduction of dispersed power generation equipment, etc., the system was renewed at the replacement timing in May 2021. By consolidating the dispersed systems and making them physically redundant, we can "ensure business continuity in the event of a disaster," "improve security," and "increase efficiency in system maintenance." In addition, central management of system information facilitates understanding of the system status of the entire Kansai region as well as data analysis. We expect that this can be utilized for considering optimal facility configuration and further improving system operation.



Third-generation automated power distribution system console



Sustainability for the Kansai Electric Power Group	Environment	Social	Governance
	Kansai Electric Deword	Froun Kansai Electric Dower Co. I	Kancai Transmission and Distribution Inc

Advanced asset management

Su

The number of aging facilities is increasing. These facilities should be systematically refurbished to ensure safe and stable electricity supply. Rational and efficient implementation of refurbishment, however, requires a comprehensive plan that takes into account facility risks, refurbishment costs, construction capabilities, etc.

We at Kansai Transmission and Distribution, Inc. are thus developing a planning system based on investment value evaluation to upgrade our asset management.



Relevant data

	2020/3	2021/3	2022/3
Number and rate of smart meters installed	About 11.53 million / About 88%	About 12.25 million / About 93%	About 12.74 million / About 97%
Specialist technicians with specialized skills	124	132	125
Number of injured ordinary citizens	4	6	8
Transmission and distribution loss rate	4.80%	5.14%	5.34%

SASB-related data System resilience

Code	Index	2020/3	2021/3	2022/3
	System Average Interruption Duration Index (SAIDI)	6 min	8 min	7 min
IF-EU-550a-2	System Average Interruption Frequency Index (SAIFI)	0.11	0.1	0.1
	Customer Average Interruption Duration Index (CAIDI)	54.55	80.00	70.00
IF-EU-000.C	Length of power transmission and distribution lines	Transmission lines: 18,804 km Distribution lines: 132,662 km	Transmission lines: 18,851 km Distribution lines: 132,880 km	Transmission lines: 18,873 km Distribution lines: 133,063 km

Sustainability for the Kansai Electric Power Group	Environment	Social	Governance

Kansai Electric Power Group) (Kansai Electric Power Co., Inc.

To prevent electrical accidents

Policy and Concept -

• Our quality policies for the safety of our electric facilities

Refer to page 78.

Goals

Goals based on the materiality of the Kansai Electric Power Group

Assuring public security at power facilities Number of injured ordinary citizens "None"

Efforts

If something approaches, touches or damages electrical facilities of Kansai Transmission and Distribution, Inc., including transmission and distribution equipment, it may lead to not only a power outage but also to possible injury or death from electric shock. To prevent such electrical accidents, we conduct various public relations activities through mass media and on our website as well as on the website of Kansai Transmission and Distribution, Inc., including transmission electrical accidents, we conduct various public relations activities through mass media and on our website as well as on the website of Kansai Transmission and Distribution, Inc. As part of these activities we ask construction companies, when they perform construction work near our transmission and distribution equipment, to attach protective covers to electric wires for sure and not to touch the wires that have been cut.

PR campaign for accident prevention

① Announcements via our website and mass media

- Warning about crane work operation and scaffolding assembly, and introduction of how to attach protective covers
- Warning about touching severed wires, etc.
- Warning about abnormalities in electricity meters and transformers
- Notice of precautions in daily life and in an emergency situation
- Prior to a typhoon, reminders to work on preventing objects from becoming projectiles

2 On-site publicity

As part of our PR campaign, if we discover a construction site where any measures to prevent electric shock are not taken, e.g., protective covers are not attached to electric wires, we call the operator's attention to the dangers of electricity and request that they apply for the protective covers.

③ Featured in *Electricity and Security* published by Kansai Electrical Safety Inspection Association Our PR campaign for the prevention of accidents related to electricity on construction sites and typhoon countermeasures was published in the July-August 2022 issue.

④ Visiting classes

We visit lectures and skill training classes at various industry associations, such as crane work operation, and introduce electrical hazards as well as examples of electrical accidents and relevant countermeasures.

Governance

Kansai Electric Power Co., Inc.

(Kansai Transmission and Distribution, Inc.

Disaster Mitigation Efforts

Disaster mitigation efforts

Policy and Concept

Preparing for a major disaster

In the event of a large-scale disaster such as an earthquake or typhoon, the Kansai Electric Power Co., Inc. and Kansai Transmission and Distribution, Inc. will ensure the safety of our employees and their families and fulfill our responsibilities of providing a stable supply of electricity and gas in an integrated manner. To this end, we promote disaster mitigation initiatives that will strengthen facilities to withstand various natural disasters. We have also put in place a disaster control system to enable rapid recovery. Particularly, in the event of the Nankai Trough Earthquake, a megathrust earthquake which is feared to hit in the future, we will follow the basic plan for mitigating disaster announced by the Japanese government and take carefully planned disaster response and recovery measures in place.

In addition, amid the COVID-19 pandemic, we implement various measures so it will not interfere with our emergency response. Furthermore, through disaster mitigation events and lectures, we provide information on disasters and how we can be prepared, and carry out activities to raise awareness on disaster mitigation in local communities.

Strengthening our disaster response system

We are enhancing our response systems to prepare for rapid initial response upon the occurrence of disasters. This includes the designation of individuals who arrive at the workplace early and night watches by initial response supervisors, along with the implementation of special

training for supervisors and individuals in charge of initial response several times a year.

Moreover, with the President of the Kansai Electric Power Co., Inc. serving as Chief of the Emergency Headquarters, group-wide comprehensive emergency response drills are conducted every year and these drills see full collaboration between the Kansai Electric Power Co., Inc. and Kansai Transmission and Distribution, Inc. We are committed to improving our disaster response skills and raising disaster awareness, not only to prepare for the occurrence of the Nankai Trough Earthquake but also with consideration for severe accidents such as the simultaneous occurrence of a nuclear power disaster or during occasions when the balance of power supply and demand is tight. In the event of a major disaster, employees will be notified of any information pertaining to the disaster at the same time. We also have established action standards so that we can build a response system promptly after a disaster occurs, even on holidays or during the night.



Group-wide comprehensive emergency response drills

Number of participants in group-wide comprehensive emergency response drills (fiscal 2021)

System

The Kansai Electric Power Co., Inc.: Disaster Mitigation Group, Office of General Administration Kansai Transmission and Distribution, Inc.: Disaster Mitigation Group, General Affairs Department

Goals

- Improve employee skills in responding to disasters and increase awareness about disaster preparation by implementing preventive measures for COVID-19, such as avoiding the Three Cs (crowded places, close-contact settings, and confined spaces), with the use of IT tools, in the group-wide comprehensive emergency response drills to allow more people to participate.
 → Fiscal 2021 results: 1,141 employees participated
- Actively participate in emergency response drills and disaster mitigation events held by concerned external organizations.
 → Fiscal 2021 results: Drill participation: 33 times Exhibited the PR booth: 4 times Held lecture/briefing sessions: 127 times
- Hold a disaster mitigation meeting on a regular basis to respond to the Nankai Trough Earthquake Extra Information and take appropriate measures to the risks related to major disasters, including other natural disasters, cyber attacks, and the spread of COVID-19.
 - → Fiscal 2021 results: Held disaster mitigation meetings: 20 times

Governance

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

Efforts

Response to the Nankai Trough Earthquake Extra Information

Following the Cabinet Office's decision on the announcement of the Nankai Trough Earthquake Extra Information in 2019, we examined a policy on how to respond to the anticipated major earthquake when the special information (Major Earthquake Warning) is announced. Specifically, we will strive to fulfill our responsibilities for a safe and stable supply by continuing our business in areas subject to pre-evacuation and moving our offices to alternative bases. Going forward, we will proceed with further studies based on findings published by related organizations.

Strengthening our disaster response system

Based on the inter-business collaboration plan in disaster responses (submitted to the Minister of Economy, Trade and Industry on July 9, 2020), we will strive for a stable power supply through quick recovery in the event of a disaster by cooperating with general power transmission and distribution business operators and related organizations. The plan outlines the implementation of joint emergency drills that involve general power transmission and distribution companies including Kansai Transmission and Distribution, Inc. and related organizations, aiming for enhanced cooperation to ensure a more resilient power supply. We will continue to strengthen our efforts for swift disaster recovery.

Additionally, in order to promptly respond to disasters that have been intensifying in recent years, we have revised our inter-business collaboration plan in disaster responses (submitted to the Minister of Economy, Trade and Industry on June 25, 2021) by stipulating that a general power transmission and distribution company may request support from its peers depending on the scale of expected damage, when extensive damage and a shortage of restoration personnel are anticipated prior to the occurrence of a disaster.

Strengthening collaborative ties with concerned external organizations

Even in times without disasters, we are working to build relationships with local governments, police, fire departments, the Japan Self-Defense Forces, the Japan Coast Guard and other concerned external organizations as well as other electric power companies in order to enable smooth mutual cooperation during times of emergency and restore electric and gas service as quickly as possible.

Specifically, we proactively participated in disaster response training sessions and programs held by municipalities and designated public corporations; moreover, we conducted joint training with the Self- Defense Forces and the Japan Coast Guard according to a cooperative system to respond to disasters.



Marine transport drill with Japan Maritime Self-Defense Force Maizuru Regional Headquarters in March 2021



Helicopter transport drill with Japan Ground Self-Defense Force Middle Army in March 2021



Marine transport drill with 5th Regional Coast Guard Headquarters in June 2021

Sustainability for the Kansai Electric Power Group	Environment	Social	Governance
	Kansai Electric Power	Group Kansai Electric Power Co. Ju	Kansai Transmission and Distribution Inc

Contribution to raising awareness of disaster mitigation in local communities

We run booths at disaster drills and events held by local governments, and carry out activities to raise awareness of disaster mitigation using our Disaster Preparedness Handbook as well as through experience of operating seismic breakers.

Moreover, for a wide range of generations, from students to neighborhood associations, we create opportunities to explain what damage and disruption could be expected following the Nankai Trough Earthquake, as well as the damage caused by disasters in recent years, and our routine preparations. Through these efforts, we contribute to promoting understanding of the importance of disaster response and preparedness.

Disaster Preparedness Handbook

Disaster Preparedness

Transmission and

efforts in the home.

• Emergency system for communicating with relevant authorities



Relevant data

		2020/3	2021/3	2022/3
Number of participants in group-wid emergency response drills	le comprehensive	908	1,175	1,141
Participation in emergency response concerned external organizations	drills held by	79	12	33
Policy				
Emergency response policy	Established		isaster Mitigation Plan d.co.jp/corporate/information/2020/pdf/20	0200605_1_01.pdf



Kansai Electric Power Co., Inc.

Kansai Transmission and Distribution, Inc.

Governance

Communities



Maintaining an ongoing community dialogue

Policy and Concept

Our overall policy

As a business operator closely linked with its local communities and lives of their inhabitants, our Group fully recognizes that its own development is not conceivable without the development of the local communities associated with its business activities and therefore we will proactively contribute to the development of our local communities through initiatives to revitalize these communities and the local economy.

• Transmitting information with a positive attitude to local communities and maintaining open lines of communication

With a commitment "to create the future together through dialogue," we are striving to meet the varied requests of residents in our local communities with a positive attitude by building a relationship of trust through close communication.

Additionally, after Kansai Transmission and Distribution, Inc. was spun-off from the Company in April 2020 amid growing social demands for bolstering the resilience of our power supply, Kansai Transmission and Distribution, Inc. is well placed to be of service to the area for a long period of time due to its extensive facilities in the Kansai area, and also as a contact point between the Group and the local community. Going forward, we will continue to promote closer communication with local residents, aiming to revitalize and develop the local community.

System

Community relations system

The Kansai Electric Power Co., Inc.: Office of General Administration Kansai Transmission and Distribution, Inc.: Regional Communications Department

Goals

Maintain and build relationships of trust with local communities

Efforts

Proactive information exchange through participation in various types of meetings and other efforts

We have been participating in governmental assemblies, including prefectural assemblies. In addition to explaining our activities, such as the power transmission and distribution business and electricity business in general, to gain understanding, we also receive a variety of opinions and exchange information. We are actively working for the resolution of various energy issues in local communities based on the opinions and other ideas we receive. In recent years, how we respond to severe natural disasters such as typhoons is becoming a pressing issue, and as a result we are bolstering our cooperation with local governments regarding disaster mitigation.



Opinion exchange with government office

Ordinary communication with government offices

We undertake mutual communication with government offices on a daily basis. Upon inquiry or request, we hold study groups, for example, to answer conscientiously.



Energy study session (facility tour) by employees of Kansai Transmission and Distribution, Inc.



Sustainability for the Kansai Electric Power Group	Environment		Social		Governance
	Kansai Electric Power G	roup	Kansai Electric Power Co., In	c.)	(Kansai Transmission and Distribution, Inc.)

Promoting "community energy business" that contributes to the development of local communities

Policy and Concept -

Efforts for regional stimulation

As the energy needs of customers and society at large have become increasingly diverse, our Company has been carefully monitoring trends to determine exact requirements. We seek to support regional revival and invigorate local economies with a commitment "to create the future together through dialogue."

System

The Kansai Electric Power Co., Inc.: Customer Solution Division

Goals

Maintain and create demand in cooperation with stakeholders

Efforts

• Our proactive contribution to regional revival and efforts toward the growth of the Company

To meet the expectations of customers and local communities for decarbonization, improved disaster mitigation, and regional revitalization, the Group is actively participating in initiatives to create smart communities aimed at improved efficiency of energy use and to develop renewable energy together with communities and local governments. Not only in the Kansai but also in other regions, we are promoting activities drawing on the knowledge we have cultivated as an energy company. Recently, we have been working to create communities that can solve problems in a sustainable manner in a variety of fields, not just limited to the energy field.

We will continue to work on "community business" as the Kansai Electric Power Group, growing hand in hand with regional communities by combining solutions tailored to the problems faced by our customers and communities.

In addition, incorporating new technologies, we are implementing a demonstration project on virtual power plant (VPP)*, which has recently been attracting attention as an electric power supply-demand balancing method. Our integrated platform system K-VIPs, which supports electricity transactions on VPP that use resources on the customer side, has also been launched. With this technology, we will reduce grid stabilization costs, support the expanded introduction of renewable energy, and accelerate efforts to optimize energy management for the entire region.

* An IoT-based technology that remotely controls resources scattered in multiple regions (storage batteries, EV, etc.) in an integrated manner, so as to make them function like a single power plant



Virtual Power Plant overview

SOCIAL



• Community development activities in urban areas of Osaka

Our Company is contributing to community development in central Osaka and other locations with both hard and soft measures. One such effort is in Nakanoshima, Osaka where our head office is located.

As the secretariat of the Nakanoshima Future City Planning Council, which seeks to further develop and invigorate Nakanoshima, we are working toward the realization of the "Nakanoshima Regional Strategic Plan" together with local governments, land-owning businesses in the district and others. We are also contributing to the development of an environmentally conscious community. One such effort is the introduction of a regional cooling/heating system that utilizes river water. In addition, in our role at the secretariat of the "Osaka Lighting Project – City of Lights," we are working to make the Nakanoshima area more attractive by creating and maintaining the city nightscape. Moreover, as a home-grown company, in cooperation with local governments and citizens as well as economic organizations, we will be contributing to the development of Yumeshima where the Expo 2025 Osaka, Kansai is to be held.

Examples of community development activities in urban areas of Osaka

District heating and cooling system using river water in the Nakanoshima area

In the Nakanoshima 2-chome and 3-chome areas, a regional energy management system has been introduced that uses a district heating and cooling system with river water.This system is expanding in line with the development of the surrounding areas. It has also been introduced to the Nakanoshima Museum of Art, Osaka, which opened in 4-chome in February 2022. This energy business has been selected as a "Sustainable Architecture Initiative Project (CO2-saving initiative)," which is promoted by the Ministry of Land, Infrastructure and Transport and Tourism, through joint application by Osaka City, Kanden Energy Solution Co., Inc., and our Company.

In future developments in the Nakanoshima area, our Group will continue proactively working on CO₂-saving and contributing to community development through environmental-conscious town planning.



SOCIAL

Coexisting with local communities

Policy and Concept –

• Implementation of activities for coexisting with local communities

Through the Group's business and social contribution activities as a corporate citizen, we are contributing to resolving social issues and revitalizing communities.

System -

The Kansai Electric Power Co., Inc.: Office of Corporate Communications Kansai Transmission and Distribution, Inc.: Regional Communications Department

Goals

Proactive contributions for coexisting with local communities

Efforts

Inspection of electrical facilities of cultural properties, etc.

We are cooperating with fire departments to inspect the electrical facilities of temples, shrines and other cultural properties. Other contributions include helping local residents beautify their surroundings.



Cleaning of lighting equipment at Toji Temple, Kyoto



Electrical equipment inspection at Shoshazan Engyoji Temple, Hyogo



Electrical equipment diagnosis at Kishu Toshogu Shrine, Wakayama

• Disaster recovery efforts

In the event of an emergency such as a typhoon, all the group companies shall unite to work together for rapid recovery, regardless of whether the disaster has struck in an area in which we operate or not, through on-site responses, cooperating with related autonomous bodies and dispatching support teams to the areas outside our service area, and ensure safe and stable electricity supply.



Restoration of power lines severed by fallen trees



Restoration work training in preparation for a disaster



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

Social

Contribution to solving global social issues

We are working to provide new values based on global issues and needs throughout society. To cite a few examples, we provide LED lantern rental services through a business alliance with WASSHA Inc. and are advancing efforts to establish power grid and telecommunications networks jointly with SUCRECUBE Japon Inc. for regions in Africa that lack electrical services.



Tanzanian children using a lantern



Training on power distribution network development by the Japan International Cooperation Agency (JICA)

Social welfare efforts

Since 2001, we have been holding Kanden Collabo Art exhibit that provides an opportunity for individuals with disabilities to display their works. Visitors can appreciate the art and sense the potential of the artists. Award-winning work and other information can also be seen on our website.



Open exhibition (Dojima River Forum)



Web exhibition

• Promoting art and cultural activities and nurturing the next generation

We are working to promote local culture by holding painting exhibitions, as well as to encourage the next generation through exhibitions at the Electric Power Company Pavilion at KidZania Koshien.





Mihama Art Exhibition

Electric Power Company Pavilion at KidZania Koshien

• Coexistence and co-prosperity with local communities where our power plants are located

As a member of the local community, we strive to revitalize and contribute to the local communities where our power plants are located by promoting the revitalization of the local economy as well as investing in community development and running local events, etc., together with local residents.



Community cleaning activity



Event held at a complex

Support for employees engaged in social contribution activities

To support employees engaged in community activities or volunteer programs, we established a volunteer time-off program, among other initiatives. Our Social Contribution website on our corporate portal provides information on the activities of volunteers and various workplaces.



Kansai Electric Power Co., Inc.

Kansai Transmission and Distribution, Inc.

Active communication inside and outside the Company

Policy and Concept

Communication inside and outside the Company through public relations and public hearing activities

Through public relations and public hearing activities, we deliver information to our stakeholders in an appropriate manner to promote their understanding of our Group businesses. Opinions and requests are shared with management and employees and reflected in our business activities as an effort to establish bilateral communication to maintain a sense of trust.

We will seek their understanding of our Group businesses and conduct highly transparent and open business activities with the thought represented by our brand statement, "power with heart."

System

The Kansai Electric Power Co., Inc.: Office of Corporate Communications Kansai Transmission and Distribution, Inc.: Regional Communications Department



Goals

Supporting smooth business activities and driving medium- to long-term growth through communication that goes a step beyond, leading to stronger engagement with customers, communities, and employees

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

Efforts

Improving information disclosure to stakeholders

Through our securities reports, corporate governance reports, integrated reports, etc., the Group proactively discloses financial information to shareholders and other stakeholders, such as the Company's financial position and operating results, as well as non-financial information related to management strategies and issues, risks, and governance. Regarding contents stipulated by the Companies Act and other laws as well as information that is considered to be useful for dialogue with our shareholders and other stakeholders, we strive to offer detailed and accurate explanations that add value.

We also provide overseas investors with information as needed through English-language media.

The Group facilitates constructive dialogue with its shareholders and investors to gain their understanding of the Group's basic stance, encompassing legal compliance, and basic management policies including our medium-term management plan. By reflecting the opinions we receive in our approach to business management, we will, over time, restore the trust of our stakeholders and build a solid relationship based on trust.

Working with the media

Information reported by television and newspapers has a significant impact on stakeholder perceptions of and attitudes toward our Group. For this reason, it is necessary to deliver more accurate information. We hold press conferences with our president and make other efforts to provide information to the media actively. At the same time, we respond accurately and in a timely manner to media inquiries to promote understanding of our Group business operations. Even amid the pandemic, we are applying various ideas to ensure that the frequency of information does not decrease, by holding press conference with our president remotely to the media and by other means.

Delivering information through mass media

We utilize various forms of mass media to convey information about our efforts associated with our brand statement, "power with heart," and the business activities of our Group to customers and other members of society in a timely and appropriate manner.

By vitalizing communication with more customers using tools such as TV commercials, newspaper ads, websites, web magazines, social media, and PR magazines, we seek to gain understanding and trust in our Group's business operations.

TV commercials and newspaper ads

Television commercials can convey information in an easy-to-understand manner with video and music, while newspaper advertisements enable readers to take time to review relatively large amounts of information. Taking advantage of the strengths of each type of media, we provide information on our Group initiatives.



Our TV commercial

Our web magazine WITH YOU



Our web magazine WITH YOU

information on corporate

Our website

Our website provides

activities such as safe and stable energy supply, sustainability (ESG) initiatives, investor relations, and recruitment activities. We are continuously using ingenuity in improving our website, aiming to make it easier for customers to view and understand; the site has adopted image links using banners and has been reviewed to have a graphical line of flow easier to read from the viewer's perspective.



Our Company's website



Our Company's website

 Approx
 Approx<

Our web magazine WITH YOU

In March 2022, we launched WITH YOU, hoping to help make our customers' lives even more enjoyable. We provide up-to-date and detailed topics that our customers may be interested in, and information that we want everyone to know through three different categories of content.

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Kansai Transmission and Distribution, Inc.

Social networks

We utilize social media in the hope that this information on the Group's businesses will strike a chord with customers. On Facebook and Twitter, we use videos for posts focused on employees performing their work and for bilateral communication. In addition, Twitter also serves as a communication tool for us to promptly disseminate information in the event of a disaster. On Instagram, we introduce beautiful scenes from the Kansai region, with the theme of "lighting" and "warmth."



Our Group's Facebook account



Kansai Electric Power Co., Inc.

Our Group's Twitter account



Publishing videos online

To help our stakeholders deepen their understanding about the energy mix and the realization of a zero-carbon society, we have released videos connected to TV advertising and collaborative videos with popular YouTubers.



Our PR magazine YOU'S

We publish a PR magazine YOU'S to promote a deeper understanding of our Group's business. Themed on matters

of interest to our customers and society at large, it connects the Group with readers by featuring interesting and useful information. In addition, a page dedicated to YOU'S, which includes web-only articles, has been created on our Company's website.



Our PR magazine YOU'S

Fan base initiatives

The Group launched the Kanden Fan Base Project and started activities in fiscal 2021 with the aim of creating an even better future by placing greater value on communication with our customers than ever before, growing together and creating content and activities that resonate with them. We will continue to develop our fan base by planning opportunities and events such as the Kanden Fan Meeting, where we can interact with our fans.

• Efforts to promote understanding about energy

We hold on-site information sessions for companies and organizations, as well as on-site classes for elementary and junior high schools, using our ingenuity in developing programs that include experiments on energy and a VR-based simulated power plant tour experience for deeper understanding. Moreover, to help as many people as possible learn more about nuclear energy, we offer online tours that connect participants with our nuclear power plants over the internet. The participants can see the inside of power plants that they would not normally be able to see, and they can also communicate with our plant staff; it's an experience that simulates going on a tour without visiting the actual site.



On-site classes



Online power plant tour

ai Electric Power Group	Environment	Social	Governance
	Kansai Electric Power G	roup Kansai Electric Power Co., I	Inc. Kansai Transmission and Distribution, Inc.

Vitalizing internal communication

Sustainability for the Kansai

With the aim of enhancing employee engagement, we are advancing initiatives to deepen bilateral communication between management and employees, as well as between employees themselves. For communication between management and employees, messages from management are posted on our corporate and group portals, encouraging employees to comment on them. For communication among employees, on the corporate portal, we have created content intended to make it easy for employees to post. In addition, with applicants invited from among employees, a cross-departmental task force was formed to discuss and devise new internal PR measures, and other efforts were made with co-creation in mind. Information on important matters in business management, such as management philosophy and initiatives set out in the Medium-term Management Plan, our Group businesses, efforts made by individual workplaces/employees, and similar topics are disseminated in a timely manner through our in-house newsletter and corporate portal.

In addition to the above, our in-house newsletter "The Kansai Denryoku Shimbun" is also published on our website as an opportunity for customers and communities to get to know the Group's thoughts and initiatives, in an effort to disclose more transparent information.



Message from the Management

The Kansai Denryoku Shimbun (June 2022 issue)

Reflecting the voice of society in our business activities

The Group pays attention to the voices of stakeholders, shares the opinions and requests received with management and employees, and reflects these opinions and requests in our business activities as part of our efforts to earn trust.

Relevant data

		2020/6	2021/6	2022/6
Total number of sustainable com	munity development plans realized	10	11	15
		2020/3	2021/3	2022/3
Efforts to promote understanding by local governments		About 5,100	About 5,200	About 4,000
Volunteer time-off program		87 (201 days)	26 (50 days)	39 (63 days)
Number of social contribution ac	tivities (including on-site classes)	1,044	467	836
Amount of social contribution		516 million yen	1,615 million yen	2,052 million yen
activities*1*2	Amount of donations made in the above figure	468 million yen	1,292 million yen	209 million yen

*1 From fiscal 2020 onward, figures include part of the amount of social contribution activities through business activities

*2 From fiscal 2021 onward, figures include part of the labor cost associated with social contribution activities.

Kansai Electric Power Co., Inc.

(Kansai Transmission and Distribution, Inc.

Governance

Supply Chain Management

SOCIAL

Policy and Concept

Kansai Electric Power Group Basic Procurement Policy

In January 2022, the Kansai Electric Power Group announced the Kansai Electric Power Group Basic Procurement Policy (hereinafter, the "Policy") to endeavor to carry out sustainable, transparent, and responsible procurement in all business activities.

Specifically, the previous "Kansai Electric Power CSR-based Procurement Policy" has been revised as the Group-wide policy, and details have been newly given to "Transparent procurement activities" and "Respect human rights," with "Strict compliance" and other values placed as high-level concepts.

In accordance with the Kansai Electric Power Group Code of Conduct and the Policy, we will endeavor to carry out sustainable, transparent, and responsible procurement activities in all business activities.

Our procurement activities are supported by our suppliers, who we view as valuable partners, and we will place importance on communication as we move forward with procurement initiatives.

1. Practice and ensure strict compliance.

With the practice and ensuring of strict compliance positioned as the foundation to all procurement activities, we shall thoroughly observe all relevant laws, regulations, and morals thereof. We shall also give due consideration to the strict management and protection of personal and confidential information, as well as intellectual property.

2. Carry out transparent and responsible procurement activities.

We shall carry out highly transparent and responsible procurement activities. We shall not participate in bribery or other corrupt conduct with the goal of obtaining profits unfairly nor shall we provide convenience only to specific individuals or companies. Furthermore, we shall have no relationship with antisocial forces or organizations.

We shall expand our business through new transactions with companies at home and abroad. When selecting suppliers, selection shall be conducted in a fair and equitable manner according to the supplier selection criteria outlined below, taking into consideration economic and social rationality.

Criteria for selecting suppliers:

We shall select suppliers by considering factors including thorough compliance implementation; respect for human rights; safety; quality; level of technical expertise; attention to environmental considerations; business conditions; willingness to maintain a relationship of trust; price; adherence to delivery/construction schedules; adherence to maintenance and management standards; provision of after-sales service; and adequacy of response to accidents and defects.

3. Respect human rights.

With respect for human rights, we shall not be involved in any forms of discrimination or inhumane treatment (forced labor, child labor, etc.). We shall also respect workers' rights (freedom of association, collective bargaining rights, payment of appropriate wages, etc.).

4. Establish strong partnerships.

We shall establish strong partnerships with our suppliers by deepening bilateral communication and working together to make improvements. We shall also strive to build relationships toward mutual development through collaboration to optimize the entire supply chain, from material procurement, manufacturing, and logistics through to maintenance.

5. Ensure safety.

By making the assurance of safety the top priority in all activities, we shall thoroughly implement measures to prevent occupational accidents and occupational diseases, and to ensure public safety.

tainability for the Kansai Electric Power Group	Environment	Social	Governance
	Kansai Electric Power	Group Kansai Electric Power Co., Inc.) (Kansai Transmission and Distributio
6. Promote cost redu	iction and quality improv	vement efforts.	
We shall promote sust	ainable low-cost procurement	t efforts by reducing costs through tec	hnological
innovation and new ic	leas, as well as by strengthenir	ng cooperation with our suppliers. Mor	eover, for
the sake of our custom	ners, we shall work to maintain	and improve the quality and technica	l expertise
of the products and se	rvices we provide.		
7. Always consider th	ne environment and cont	tribute to local communities.	
We shall promote proc	curement of materials with lov	v environmental impacts to help build	a
decarbonized, recyclin	g-oriented society. We shall al	so contribute to the development of le	ocal
communities in coope	eration with our suppliers.		
8. Achieve continuou	us and stable procureme	nt.	
Together with our sup	pliers, we shall seek to ensure	continuous and stable procurement b	y improving
our methods of placin	g orders and other means. Mo	reover, in preparation for the occurren	ce of
accidents and natural	disasters, as well as the spread	of infectious diseases, we shall thorou	ghly
implement crisis mana	agement in a systematic mann	er. In such emergency events, we shal	l endeavor
to promptly arrange n	ecessary materials and equipn	nent.	
• System ————			

Director responsible: Nobuhiro Nishizawa (Representative Executive Officer, Vice President) of the Kansai Electric Power Co., Inc. Management office: Planning & General Management Group, Sourcing and Procurement Division of the Kansai Electric Power Co., Inc.

Goals –

• Dissemination and implementation of our Basic Procurement Policy

- Procurement activity questionnaire implementation rate for new suppliers (Sourcing and Procurement Division contracts) 100%
 - → Implementation rate of 99% (FY 2021 results)
- Implement procurement activity questionnaire in fiscal 2019-2021 for our top 200 business partners, whose transaction amounts are among the largest.
 - → No. of companies implemented: 167 (FY 2019-2021 results)

Efforts

The Sourcing and Procurement Division holds in-house discussions on the Policy and provides new employee training, for the purpose of disseminating and implementing the Policy.

We make use of supplier registration and other opportunities to explain the Policy to our suppliers and ask for their cooperation in questionnaires to monitor how they address sustainability-related tasks.

G GOVERNANCE

Corporate Governance

🔷 Risk Management

Compliance

Sustainability for the Kansai Electric Power Group

Environment

Social

Kansai Electric Power Co., Inc.

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Corporate Governance

GOVERNANC

Basic concept on corporate governance

Based on the Kansai Electric Power Group Purpose & Values, the Group will continue to meet the expectations of all its stakeholders, thereby contributing to the sustainable improvement of corporate value and the sustainable development of society.

Recognizing that the most important management issue for achieving this goal is strengthening corporate governance, we have adopted the institutional design of a company with a nominating committee, etc., which clearly separates execution and supervision for our corporate governance, with the aim of enhancing management transparency and objectivity in business management.

In terms of supervision, in order to reflect the perspectives of all our stakeholders, we have established a system with a Board of Directors at the core focused on objective and diverse perspectives as outsiders. By appropriately supervising execution, we will improve transparency and objectivity in business management.

Overview of current corporate governance

In our Company, the Executive Meeting and various committees are placed under the Board of Directors, which has been charged with management responsibility by the General Shareholders' Meeting. While executing operations appropriately, we supervise the execution of duties by our directors and executive officers through the Board of Directors. We have adopted the institutional design of a company with a nominating committee, etc. since June 2020, which clearly separates execution and supervision for our corporate governance, with the aim of enhancing management transparency and objectivity in business management.



The Kansai Electric Power Co., Inc. will also implement an appropriate governance system for Kansai Transmission and Distribution, Inc., insofar as the Company has the right to do so as its shareholder, based on the premise of ensuring neutrality as a general power transmission and distribution business operator.



Social

Kansai Electric Power Co., Inc.

Corporate governance systems

1. Supervision

Board of Directors

Structure

In light of our business scale, business description, approach to managerial issues, and supervisory function, as well as diversity, including gender, internationality, work history and age, the Board of Directors is a necessary and appropriate structure comprised of independent outside directors (eight persons) with ample experience and knowledge cultivated as executives or professionals in a wide range of fields and inside directors (five persons) who have abundant expertise and abilities in our business.

In addition, from the perspective of appropriate decision-making and effective supervision, the number of the Board members shall be 20 or less, a majority of which shall be independent outside directors.

The Chairperson of the Board of Directors shall be an independent outside director.

Roles and responsibilities

Based on the standpoints of our diverse and wide-ranging set of stakeholders, the Board of Directors aims to achieve sustainable growth and increase the corporate value of the Group over the medium to long term. To achieve these ends, the Board takes on the following main responsibilities: ① to illuminate the future path of the Group, including our corporate strategy, ② develop an environment that supports appropriate risk-taking by executive officers, and ③ provide highly effective supervision of management from an independent and objective standpoint.

We will decide basic management policies such as management plans after thorough discussions from a variety of perspectives, regularly monitor progress and reflect results in our future policies. In addition, we will establish effective internal control and risk management systems, supervise management with a focus on compliance, and support executive officers for their swift and strong-minded decision-making. From the standpoint of clearly separating execution and supervision, the Board of Directors, in principle, delegates decisions on business execution to executive officers in line with basic management policies. Regardless of whether or not delegation to executive officers is made, if necessary, especially important decisions on business execution are discussed in advance at the Board of Directors meeting while they are being considered, and appropriate opinions and advice are provided from outside directors and other directors before decisions are made.

Nominating Committee

The Nominating Committee is chaired by an independent outside director and all of its four members are independent outside directors. The Nominating Committee resolves proposed agenda for General Shareholders' Meeting regarding the appointment and dismissal of directors after establishing the "Policy for nominating director candidates." The Committee also resolves/deliberates on matters related to the appointment of executives. In addition, the Committee is responsible for formulating a succession plan for the Executive Officer and President, as well as developing candidates in a planned manner, with sufficient time and resources. In the course of this process, it is important for the Committee to recognize the appointment of the Executive Officer and President as the most important strategic decision-making for sustainable growth of the entire Group and improvement of corporate value over the medium to long term. In formulating the succession plan, the Committee deliberates the outcome, required experience and skills, competency (ability), potential (quality), sense of value, and personality expected from the next Executive Officer and President, and reviews "what the President is supposed to be."

Moreover, utilizing internal assessment and external assessment by third-party organizations, the Committee collects information on candidates in a multifaceted way. Members also directly interview candidates to clarify the appointment process, with high transparency and objectiveness ensured.

Chairperson: Sadayuki Sakakibara

Committee members: Takamune Okihara, Tetsuya Kobayashi and Kazuko Takamatsu

Compensation Committee

The Compensation Committee is chaired by an independent outside director and all of its four members are independent outside directors. The Compensation Committee resolves compensation of respective directors and executive officers after establishing the "Policy for determining the compensation of directors and executive officers." The Committee also resolves/deliberates on other matters related to executive compensation. When considering various compensation-related issues, such as the standard of compensation of directors, the Committee uses data from external specialized organizations and examples from other companies.

Chairperson: Kazuko Takamatsu

Committee members: Sadayuki Sakakibara, Tetsuya Kobayashi and Atsuko Kaga

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Social

Kansai Electric Power Co., Inc.

Kansai Transmission and Distribution, Inc.

Governanc

Audit Committee

The Audit Committee is chaired by an independent outside director and consists of four outside and two inside directors not concurrently serving as executive officers. To serve as an Audit Committee member, each director is required to have appropriate experience and abilities as well as necessary knowledge of finance, accounting, and legal affairs.

The Audit Committee establishes basic policies and rules necessary to execute its duties, and then audits the execution of duties by executive officers, directors, employees and others of the Company or its subsidiaries, from the viewpoint of legality and appropriateness. In addition to that, the Committee reports the status and results of audits to the Board of Directors. When necessary, the Committee provides advice and recommendations to executive officers, etc.

The Audit Committee, the Office of Internal Auditing and accounting auditors will conduct efficient and effective audits in close collaboration as appropriate through exchanging opinions on audit plans and audit results.

The Committee members participate in important meeting structures, such as the Executive Meeting, and hear explanations of matters of importance in business management from executive officers.

Chairperson: Hiroshi Tomono

Committee members: Takamune Okihara, Shigeo Sasaki, Fumio Naito, Yasushi Sugimoto and Yasuji Shimamoto

Compliance Committee

For the purpose of strengthening the Group's function to supervise compliance, we have established a Compliance Committee, which is independent from the President and other executive officers. The Committee is under the direct control of the Board of Directors. The Committee, a majority of which including the Chairperson are external experts, deliberates and approves particularly important matters such as basic policies for promoting compliance and policies for addressing problematic events associated with directors, executive officers, and others. When necessary, the Committee also directly guides, advises and supervises the President and other executive officers, as well as reporting periodically to the Board of Directors.

Directors

Nomination policy

In performing their duties, our directors must be willing to conduct themselves with emphasis on compliance, in accordance with the basic orientation of business management and guiding principles specified in the Kansai Electric Power Group Purpose & Values, the Kansai Electric Power Group Code of Conduct, etc. Regarding the nomination of director candidates, the Nominating Committee makes a decision after deliberating comprehensively on whether the candidate's ability, experience, personality, insight, and other elements are good enough to take on management of the Company, also in light of diversity, including gender, internationality, work history and age, from the viewpoint of appropriate decision-making and effective supervision. As for outside director candidates, we ensure in particular that they have independence from an outsider's objective viewpoint and also take into account their role of enhancing the supervisory function of the Board of Directors.

The Company has established its own judgment criteria for independency, as described below, in light of the requirements for independent officers stipulated by the Tokyo Stock Exchange, Inc. We assess the independency of outside directors by these criteria. If an outside director concurrently serves as an officer at another listed company, the number of concurrent positions is within a reasonable range so that the time and labor required to properly fulfill the roles and responsibilities as an outside director of the Company can be secured.

[Judgment criteria for independency established by the Company]

The Company considers an outside director to be independent when the outside director does not fall under any of the categories of 1 to 9 below.

1	A person to whom the Company is a major business partner, or a business executive for that person
2	A major business partner of the Company, or its business executive
3	A consultant, accounting professional or legal professional who receives a large amount of money or any other assets, other than executive compensation, from the Company (if the consultant, etc. who receives such assets is an organization such as a corporation, a person who belongs to that organization)
4	A person who receives a large amount of donations or membership fees from the Company, or a business executive for that person
5	A business executive of the auditing firm of the Company
6	A person who is a major shareholder of the Company, or a business executive for that person and a business executive of a company for which the Company is a major shareholder
7	A business executive of a company which has accepted an executive from the Company or a subsidiary of the Company
8	A person who has fallen under any of the categories of 1 to 7 above recently
9	A spouse or relative within the second degree of kinship to a person descried in either of the following items (excluding those who are not in applicable positions) (1) A person listed in 1 to 3 above (2) A person who is currently or has recently been a business executive of the Company or a subsidiary of the Company

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

Social

【Directors' skill matrix】

The following is a list detailing the experience and insight required for the members of the Company's Board of Directors, who have been selected by the Nominating Committee, as well as skills possessed by directors.

Specifically, in light of the Corporate Governance Code established by the Tokyo Stock Exchange, Inc., the Committee has selected "Management experience," "Governance / Risk management," "Finance / Accounting," and "Legal affairs / Compliance" as basic skills for supervising the management of the Company. For addressing our key issues, "Technologies," "Industrial policies," "Public relations strategies," "Global experience," and "Sales / Marketing" have been selected in particular as skills that are necessary.

Directors	Management experience	Governance/ Risk management	Finance/ Accounting	Legal affairs/ Compliance	Technologies	Industrial policies	Public relations strategies	Global experience	Sales/Marketing
Sadayuki Sakakibara	•	•			•	•		•	
Takamune Okihara	•	•	•					٠	•
Tetsuya Kobayashi	•	•					•		•
Shigeo Sasaki		•		•					
Atsuko Kaga					•	•			•
Hiroshi Tomono	•	•			•			٠	
Kazuko Takamatsu	•						•	•	
Fumio Naito		•	•						
Nozomu Mori	•				•	•			
Koji Inada	•				•	•			
Nobuhiro Nishizawa		•	•						
Yasushi Sugimoto		•	•						
Yasuji Shimamoto	•				•				

Roles and responsibilities

Directors shall actively express their opinions and have thorough and constructive discussions at the Board of Directors, etc. When executing their duties, directors shall diligently collect sufficient information by requesting explanations from other directors and executive officers and through other means.

Outside directors' roles include strengthening the supervisory function of the Board of Directors from their objective external perspective, making use of their abundant experience and insight as corporate managers and specialists. Additionally, from the perspective of actively contributing to discussions at the Board of Directors, outside directors actively exchange opinions and cooperate fully with executive officers.

Training

We hold training sessions for directors when and after they take up their post on a periodical basis to provide the knowledge necessary to fulfill their roles and responsibilities.

For outside directors, we provide explanation about the Group's business, finances, organization, and other aspects on a continual basis when and after they take up their post so they can acquire the knowledge necessary to fulfill their roles and responsibilities. In addition, we hold tours of our facilities as appropriate and provide opportunities for them to talk with our frontline staff to promote their understanding of our business.

2. Execution

Executive Officers

Appointment policy

In performing their duties, our executive officers must be willing to conduct themselves in accordance with the basic orientation of business management and guiding principles specified in the Kansai Electric Power Group Purpose & Values, the Kansai Electric Power Group Code of Conduct, etc., and in adherence to the spirit of the President's Oath to Stakeholders. Regarding the appointment/ dismissal of executive officers, the Board of Directors makes a decision after deliberating comprehensively on whether the officer has abundant expertise, and whether his/her experience, business execution ability, personality, and other elements are good enough to take on management of the Company.

Roles and responsibilities

Executive officers make decisions on how the business of the Company is carried out, which is delegated to them by the Board of Directors and by the resolution of the Board of Directors, and also execute the operations of the Company.

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

Training

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We hold training sessions for executive officers when and after they take up their post on a periodical basis to provide the knowledge necessary to fulfill their roles and responsibilities.

Executive Meeting and Committees

In order to deliberate on important business execution policies, plans, and execution of business for the entire Group and to receive necessary reports, based on the basic policies determined by the Board of Directors, we hold Executive Meeting every week as a general rule. The Executive Meeting is chaired by Executive Officer and President, and consists of all our executive officers to ensure swift and appropriate corporate management. In addition to the above, for the purpose of ensuring appropriate and smooth business execution, we have established various committee organizations that support decision-making through the Executive Meeting and the business execution by respective divisions. These committees mostly consist of executive officers in charge of duties related with respective goals, and meetings are convened periodically or on an as-needed basis.

Sustainability Promotion Council

To address sustainability-related issues, our Group's basic concept and code of conduct that we should strictly observe are stipulated in the Kansai Electric Power Group Code of Conduct. We also set up a Sustainability Promotion Council to draw up comprehensive sustainability measures for the entire Group and check implementation status. At the same time, we perform concrete activities for the Group to contribute to the sustainable growth of society.

Risk Management Committee

Risks associated with the Group's business activities are managed autonomously by each operating division in accordance with the Kansai Electric Power Group Risk Management Rules. Risk management for risks considered to have cross-organizational importance (information security, business management of subsidiaries, safety and health, market risk, reliability of financial reports, environment, disasters, and compliance) are enhanced by the supervision of departments with specialized expertise on each risk area that provide advice and guidance to the various operating divisions on an as-needed basis. Furthermore, a Risk Management Committee is established to put risks under central management. The Committee Chairperson is appointed as the Risk Management Officer, and the Committee strives to manage risks associated with the Group business activities at the appropriate level through this system.

Nuclear Safety Verification Committee / Nuclear Safety Enhancement Committee

Regarding nuclear safety, our principles associated with nuclear safety to be succeeded to our employees in future generations are clearly stated in our Commitment to Enhancing Nuclear Safety. Based on this, we are making constant efforts to improve safety. A Nuclear Safety Enhancement Committee has been set up to enhance the safety of nuclear power on a company-wide basis. The Committee checks and conducts discussion on the promotion of recurrence prevention measures and fostering of safety culture following the accident at Mihama Nuclear Power Station Unit 3 and activities from a broad range of viewpoints, including voluntary and continuous activities following the accident at Tokyo Electric Power Fukushima Daiichi Nuclear Power Station. In addition, opinions and advice provided by the Nuclear Safety Verification Committee from its independent position have been reflected in our safety improvement initiatives.

Procurement Review Committee

For the purpose of ensuring appropriateness and transparency in the procedures of construction orders and contracts as well as payment of donations and cooperation funds, we have established a Procurement Review Committee, the majority of which are outside experts, with an examination mechanism from the perspective of such experts put in place.

Internal Auditing Committee

Regarding internal audits, we have established an Internal Auditing Committee in order to share and deliberate widely-ranging management issues, such as safety and quality, gain insights and information from outside the Company, and ensure the adequacy of the internal audit process for the entire Group from a fair and professional standpoint.

In addition, as a dedicated organization for conducting internal audits, the Office of Internal Auditing (including certified internal auditors and qualified internal auditors) has been set up to audit the adequacy and effectiveness of the system and operational status on a regular basis, this ensuring the adequacy of operations.

3. Advisors -

The Company has adopted the following advisor system.

System

Advisors may be appointed on an as-needed basis, if doing so contributes to the sustainable development of the Group.

Appointment/remuneration determination process

From the perspective of ensuring objectivity, when appointing an advisor to a person who retired from the post of a director or executive officer, the Nominating Committee, the Compensation Committee, and the Board of Directors decide the necessity of such appointment, job description, and remuneration after rigorous deliberation, and disclose the commissioned duties and the individual amount of remuneration of the advisor.

Sustainability for the Kansai Electric Power Group	Environment	Social	Governance	
	Kansai Electric Powe	r Group Kansai Electric Power Co., Ind	. Kansai Transmission and Distribution, Inc.	

Roles

Advisors contribute to society through activities in business and industrial communities and respond to requests from regional economic communities by making full use of their own experience and human networks, toward the growth of the economy in the Kansai region as well as the business of the Group. Advisors do not provide guidance or advice on business management.

4. Remuneration of directors and executive officers

$igstar{}$ Policy for determining remuneration, etc. for directors and executive officers

(Policy and outline of the remuneration system)

Remuneration of directors and executive officers is determined by the Compensation Committee in accordance with the provisions of the Companies Act.

Remuneration of directors not responsible for execution of business consists only of basic compensation, in consideration of their roles. Remuneration for executive officers responsible for the execution of business consists of basic compensation that takes into account the responsibilities required for each executive officer's position, etc., and short-term incentives, which are results-based compensation and stock-based compensation as a medium- to long-term incentive, in order to contribute to the sustainable improvement of our corporate performance and corporate value. Proportion of the payment will be set using "basic compensation: results-based compensation = 6:3:1" as a guide.

(Remuneration determination process)

With the Policy for Determining Remuneration of Directors and Executive Officers established and in accordance with this policy, the Compensation Committee, which is comprised solely of outside directors, makes resolutions on the remuneration of individual directors and executive officers.

In addition, the Company utilizes data from external organizations and refers to the situation of other companies when considering compensation levels and other related issues.

Remuneration system (Basic compensation, Performance-based compensation, and Stock-based compensation) (Basic compensation)

The Company pays the base amount required for the position of each director and executive officer, taking into consideration the responsibilities required according to their respective job positions and other factors.

(Performance-based compensation)

The Company's performance-based compensation consists of company-wide performance considering the financial targets of the Medium-term Management Plan and ESG initiatives, and individual performance based on the results of initiatives of each responsible division. This type of compensation is calculated and paid based on the base amount set for each job position and the degree of achievement against the targets.

(Stock-based compensation)

The Company grants a certain number of points to executive officers and others each year based on the base amount corresponding to their respective job positions. When they leave their post, the Company grants its shares and pays cash in the amount equivalent to the conversion value of the Company's shares in proportion to their respective accumulated points.



Breakdown of performance-based compensation

Remuneration system

Notes: 1 Base amount of performance-based compensation by job position (annual amount)

- Director, Representative Executive Officer and President: 22.8 million yen
 Director, Representative Executive Officer and Vice President: 17.4 million yen
 Representative Executive Vice President: 16.1 million yen
- 2 Company-wide performance varies in the range of 0 to 150% depending on the degree of achievement of performance indicators.

3 Individual performance varies within a range of 0% to 120%, depending on the performance results of each individual. Individual performance shall not be applicable but company-wide performance shall be applicable by 100% to the President.

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Kansai Transmission and Distribution, Inc.

Governance

5. Management of subsidiaries

We try to instill in our subsidiaries the basic approaches to management and action standards that are embodied in, for example, the Kansai Electric Power Group Purpose & Values and the Kansai Electric Power Group Code of Conduct. In addition, we ensure the propriety of our corporate group's business activities at our subsidiaries by supporting them and providing advice on the arrangement of their autonomous management structures based on our internal regulations related to subsidiary management.

We also strive to prevent any losses to the corporate value of the Group as a whole, or at least keep them to a minimum, by participating in important decision-making by our subsidiaries, and periodically checking on their management status. Moreover, our Executive Meeting deliberates execution directions and plans for important business, particularly for the core companies responsible for businesses that are the pillars for the future growth of the Group.

Specifically, based on the performance evaluation system, we set financial and non-financial targets at the beginning of each fiscal year after confirming consistency between the plans and policies of each company and policies of the Group, checking progress through communication by senior management during and at the end of each fiscal year. Additionally, we make prior adjustments to individual plans, such as investments of a certain scale or making inroads into new business fields. Through these efforts, we are striving to enhance the corporate value of our entire Group and prevent it from being undermined.

6. Effectiveness evaluation and response policies for the Board of Directors

Method of effectiveness evaluation

The Company evaluates the effectiveness of the Board of Directors, etc. and takes proper steps to improve corporate governance, including operation of the Board of Directors to enhance the functions of the Board of Directors, Nominating Committee, Compensation Committee, and Audit Committee. The contents and results of the effectiveness evaluation for fiscal 2021 are as follows.

Results of effectiveness evaluation

Evaluation/analysis method

O Using a third-party organization, we conducted a survey targeting all directors on the effectiveness of the Board of Directors, etc. O Based on the analysis of the survey results by the third-party organization, the effectiveness of the Board of Directors, etc. was deliberated and evaluated at the Board of Directors meeting held on April 27, 2022.

Evaluation items

- Role/function of the Board of Directors
 Status of efforts for the business improvement plan
- Operation of the Board of Directors
 Operation of the Nominating, Compensation, and Audit Committees
 Supervision of audit functions
- Support system for outside directors
 Relationships with shareholders, investors, etc.
 Improvement status of last year's major issues

- 3. Composition/size of the Board of Directors
- 6. Supervision of audit functions

General comment for fiscal 2021

As a result of the fiscal 2021 survey, we have confirmed analysis results that set out "substantive discussions on management strategy, etc. through appropriate agenda setting, provision of prerequisite information, and management of meetings," "creation of basic operation method of and substantive discussions at the Nominating, Compensation, and Audit Committees," and the "current composition of the Board of Directors that supports these substantive discussions" as the strengths of the Company's Board of Directors. In addition, the results showed that the evaluation items associated with the improvement status for the previous year's major issues had generally improved and scores were higher than those in the previous year for most of the evaluation items. We have confirmed that the overall effectiveness of the Board of Directors, etc. has been steadily improving.

In consideration of the above, the Board of Directors has determined that the effectiveness of the Board of Directors, etc. for fiscal 2021 has been ensured. Going forward, while keeping abreast of changes in the business environment, we will work to make further improvements and continue with our efforts to improve effectiveness.

<Major initiatives for fiscal 2021 based on the previous year's evaluation results>

 To "enhance opportunities for communication between outside directors and management," we set up opportunities for exchange of opinions and interviews between outside directors and executive officers to fully share understanding regarding the business lineup, management issues, and other matters.
 Toward "further strengthening of reporting on the operational status of the internal control system," we have enhanced reporting details on internal control,

such as business risks faced by the entire Group as well as the operational status of the whistleblowing system, and strengthened our group governance.

Points of further improvement and response policy in the future

- Enhancement of communication opportunities between the management and outside directors While paying close attention to the COVID-19 situation, outside directors and the management will share their understanding and create opportunities for exchange that will lead to more active discussions at the Board of Directors meetings.
 Further enhancement of discussions on important medium- to long-term themes We will further enhance the discussions at the Board of Directors meetings regarding the group-wide business strategy and human resource development as well as other matters, and strongly push forward our medium-term management plan and zero carbon vision.
 Supervision of individual audit functions by the Board of Directors We will strive to further improve the supervisory function of the Board of Directors, etc. through appropriate reporting and information sharing with individual audit functions, such as internal audit departments, etc.
 Confirmation of training for officers and its implementation status We will regularly report on the implementation status of officer training, such as acquisition and update of knowledge required for officers, and strive to improve the supervisory function of the Board of Directors.
- ⑤ Further improvement of the composition (skills and diversity) of the Board of Directors

The Nominating Committee will continue to discuss the ideal composition of the Board of Directors in view of the future business climate.

Social

Kansai Electric Power Co., Inc.

Governance

Operating status of fiscal 2021

Board of Directors

Based on laws and regulations and the rules of the Board of Directors, the Board of Directors resolves important matters related to the management of the Group, such as proposals submitted to the General Shareholders' Meeting, composition of each committee, appointment/change of executive officers, and the roadmap toward the realization of our Zero Carbon Vision 2050. Moreover, the status of efforts in the implementation of our business improvement plan in line with the Electricity Business Act, progress status of our medium-term management plan including quarterly financial results, operational status of internal control, and other matters are reported and deliberated on a regular basis. For the resolutions and deliberation stated above, with the aim of ensuring fulfilling discussions at the Board of Directors and strengthening corporate governance, in fiscal 2021, three opinion exchange meetings were held by directors, and three meetings were held only attended by independent outside directors to discuss a wide range of themes such as management issues and the direction of future growth strategies of the Company. Views obtained through these meetings are reflected in our business management and subsequent discussions at the Board of Directors. Furthermore, various measures are implemented for outside directors throughout the year, such as prior briefing on board meeting agendas from the executive side; visiting front-line workplaces, including nuclear power plants; and dialogue with employees.

Nominating Committee

The Committee decides the content of proposals for appointment and dismissal of directors, submitted to the General Shareholders' Meeting, as well as the policy for selecting directors, and deliberates the details of a succession plan for the Executive Officer and President, successor development process, commissioning of advisors, and other matters. Priority items discussed in fiscal 2021 include the following:

- Succession plan for Executive Officer and President
- Process for selecting outside director candidates
- Development and appointment/change of executive officer candidates and officers of affiliated companies

Compensation Committee

The Committee decides on the policy and details of compensation of respective directors and executive officers, and deliberates on compensation for advisors. Priority items discussed in fiscal 2021 include the following:

- Policy on determining compensation for the Company's officers based on the results of surveys on compensation standards of other companies, trends in compensation policies, etc.
- Performance-based compensation system and goal setting (including introduction of ESG-related indices)

Audit Committee

The Committee formulates audit plans encompassing important matters related to the Group's management decided by the Board of Directors, and performs audits from the perspective of whether or not the Group is conducting business activities legally and appropriately, and making decisions and executing business properly and reasonably to prevent risks and improve corporate value. Deliberation is made among the Committee members, and their opinions and recommendations are provided to the Board of Directors and the executive side. Priority audits and other items conducted in fiscal 2021 include the following:

- Status of efforts to strengthen compliance and governance
- Status of efforts made in line with the medium-term management plan
- · Dialogue with front-line workers
- Response to proceedings for damages against our former officers filed by the Company concerning problems such as receiving money and gifts and compensation paid for their part-time engagements after retirement.

The Audit Committee is briefed on audit plans from our accounting auditor at the beginning of the fiscal year. As for the implementation status of the plans, the Committee receives reports on the quarterly review status in every quarter, as well as reports on annual audit status at the interim period and the end of the fiscal year, and thereby exchange opinions. In this way, a close cooperative relationship is maintained between them. The Committee also holds discussions with the accounting auditor multiple times during the fiscal year to exchange opinions on Key Audit Matters (KAM).

In particular, in fiscal 2021, in time with the report from the accounting auditor to the Audit Committee on the "system for ensuring the propriety of business operations," the management and audit team of the accounting auditor briefed the Committee on the status of their efforts to maintain and improve audit quality as an auditing organization, and the audit team of the accounting auditor briefed the Committee on the status of their specific efforts to maintain and improve audit quality as an auditing organization, and the audit team. Through exchange of opinions, the Committee has confirmed a situation where high-quality auditing is maintained.

he Kansai Electric Power Group	Environment	Social	Governance
	Kansai Electric Power	Group Kansai Electric Power Co. Inc.	Kansai Transmission and Distribution Inc

The main examples of the cooperative relationship between the Audit Committee and the accounting auditor are as follows.

ltem	Period	Overview
Briefing on audit plans	July*1	The Audit Committee is briefed on audit plans for the current fiscal year.
Quarterly review report	July, October, January	The Audit Committee receives report on quarterly review results from the accounting auditor and exchanges opinions.
Interim audit report	December	The Audit Committee receives an interim report on accounting auditor's audit and exchanges opinions.
Year-end audit report	May, June	The Audit Committee receives year-end report on the accounting auditor's audit (including internal control audit status) as well as a detailed report on the status of the accounting auditor's performance of duties.
Key Audit Matters (KAM)	September, December, May, June	The Audit Committee members and the accounting auditor discuss and exchange opinions about KAM. *2

*1 Throughout the fiscal year, the Committee receives reports of revisions to the audit plan, if any, at the time when each report is made. *2 The Committee also confirms the appropriateness and consistency of KAM-related information disclosure.

Activities of outside directors

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Board of Directors, Nominating Committee, Compensation Committee, and Audit Committee meetings held in fiscal 2021 and the attendance status of respective directors are as follows.

	Meetings held and attendance status					
Name	Board of Directors	Nominating Committee	Compensation Committee	Audit Committee		
Sadayuki Sakakibara*	◎100% (12/12 attendances)	©100% (7/7 attendances)	100% (3/3 attendances)	—		
Takamune Okihara*	100% (12/12 attendances)	100% (7/7 attendances)	100% (3/3 attendances)	—		
Tetsuya Kobayashi*	83% (10/12 attendances)	71% (5/7 attendances)	◎100% (3/3 attendances)	—		
Shigeo Sasaki*	100% (12/12 attendances)	—	—	100% (16/16 attendances)		
Atsuko Kaga*	92% (11/12 attendances)	—	100% (3/3 attendances)	81% (13/16 attendances)		
Hiroshi Tomono*	100% (12/12 attendances)	—	—	©100% (16/16 attendances)		
Kazuko Takamatsu*	100% (12/12 attendances)	100% (7/7 attendances)	—	—		
Fumio Naito*	100% (12/12 attendances)	—	—	100% (16/16 attendances)		
Takashi Morimoto	100% (12/12 attendances)	—	—	—		
Toyokazu Misono	100% (12/12 attendances)	—	—	_		
Koji Inada	100% (12/12 attendances)	_	_	_		
Nozomu Mori	100% (10/10 attendances)	—	—	_		
Yasushi Sugimoto	100% (12/12 attendances)	—	—	100% (16/16 attendances)		
Yasuji Shimamoto	100% (10/10 attendances)	—	—	100% (13/13 attendances)		

Notes: 1 The percentages are rounded off to the whole number. The numbers in parentheses indicate the number of attendances/the number of meetings held during the term of office.

 $2 \ensuremath{\,\odot}$ represents the chairperson of the board/committee.

3* represents an independent outside director. 4 Regarding the number of board meetings held, in addition to the above, written resolution was implemented once by obtaining consent of all the directors in accordance with the provisions of Article 370 of the Companies Act and notifying the directors in accordance with Article 372, Paragraphs 1 and 3 of the Companies Act.

Social

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Risk Management

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Policy and Concept

In accordance with the Kansai Electric Power Group Risk Management Rules established in April 2006, risks that have the potential to affect the achievement of organizational goals are to be recognized and identified. Then, an assessment is to be made, followed by implementing necessary measures to deal with the risks. The impact of risk on the Group is being managed at an appropriate level through this series of processes.

System

Risks associated with the Group's business activities are to be managed autonomously by each operating division. Risk management for risks considered to have cross-organizational importance, such as information security, business management of subsidiaries, safety and health, market risk, reliability of financial reports, environment, disasters and compliance, is enhanced by the supervision of departments with specialized expertise on such risks that provide advice and guidance to the operating divisions on an as-needed basis. Furthermore, a Risk Management Committee comprising 15 members headed by an Executive Vice President has been established to put risks under central management. The Committee Chairperson is appointed as the Risk Management Officer, and the Committee strives to manage risks associated with Group business activities at an appropriate level through this system.

The Risk Management Committee presents the risk evaluation results to the Executive Meeting and the Sustainability Promotion Council so that necessary risk measures are reflected in plans and policies for the entire Group with the aim of realizing our sustainable growth into the future. The Committee also periodically reports its risk management findings to the Executive Meeting and the Board of Directors. If necessary, it improves the structure and system of risk management. Furthermore, the Office of Internal Auditing conducts internal auditing on the maintenance and operation of the risk management system, and we are working to make improvements based on the audit results.



GOVERNANCE

Kansai Electric Power Co., Inc.

Social

Kansai Transmission and Distribution, Inc

Efforts

The Risk Management Committee held meetings three times during fiscal 2021. Meetings ascertain and evaluate how major risks that could greatly affect our Group's business activities are being managed company-wide. These major risks are systematically sorted out not only for our Group's sustainable growth but also with the aim of achieving our financial targets and ESG goals, to contribute to the sustainable development of society by solving global social issues covered under SDGs. The gravity of the major risks is evaluated based on their degrees of impact and possibilities of occurrence, classified and organized on a risk map to clarify, manage, and evaluate how the risks are being handled from a higher perspective, and instructions for improvement are given to operating divisions, as necessary, based on the evaluation results. For details of and countermeasures for major risks that could affect the Group's business results and financial position, please refer to the "Operational risks" section of our securities report for the fiscal year ended March 31, 2022 and financial results for the three months ended June 30, 2022 (only available in Japanese).

Major risks

Classification	Major risks	Gra FY 2021		Organizational goals/Classification		ssification	Major risks		Gravity FY 2021 FY 2022			
	《1》Climate change	High	High				Operating revenue	《14》 Decline in operating revenue from energy business	High	Medium		
E	《2》Environmental laws and regulations	Medium	Medium			Comparison & Compa		《15》 Increase in energy business expenses	Medium	Medium		
	«3» Release of radioactive materials	Huge	Huge							《16》 Difficulty in nuclear power operation	High	High
	《4》Personal injury	High	High	gets				《17》 Decline in profits from investment and loan	Medium	Medium		
	$\langle\!\!\langle 5\rangle\!\!\rangle$ Natural disasters, armed attacks, spread of infectious diseases, etc.	High	High	of financial targets				Transmission & Distribution Information & Telecommunications Life/Business		(18) Decline in profits from power transmission and distribution business	Low	Medium
	(6) Information security	High	High	nanci						(19) Decline in profits from information and telecommunications business	Medium	Medium
S	《7》Reputation	Medium	Medium							(20) Decline in profits from life/business solution business		
	(8) Decrease in employee motivation	High	High	Achievement								
	$\langle\!\!\langle 9 \rangle\!\!\rangle$ Problems with the provision of products and services and deterioration in quality	Medium	Medium	hieve						《21》 Change of political measures	Medium	Medium
	(10) Decrease in human capital competitiveness	Medium	Medium	Ac						《22》 Market risk (fluctuations in market conditions)	Low	High
_	(11) Information disclosure-related issues	Medium	Medium					《23》 Stagnation of innovation	Medium	Medium		
G	«12» Compliance	High	High		Maintenance and			《24》 Damage to the asset value of energy business	Medium	Medium		
	《13》 Governance	High	High		improvement of asset value (B/S)			《25》 Damage to the asset value of businesses other than energy	Medium	Medium		

<Reason for changes in Gravity>

(14) Decline in operating revenue from energy business: Revised downward in light of growth in sales resulting from higher demand for electricity, etc.

(18) Decrease in profits from power transmission and distribution business: Revised upward considering profit decline caused by increasing costs associated with supply-demand adjustments, etc.

(22) Market risk (fluctuations in market conditions): Revised upward under the circumstances of increasing electricity demand based on deterioration in earnings due to the increase in additional fuel procurement costs caused by surging fuel prices.

	Raises doubts about business continuity	Huge	(3) Release of radioactive materials						
Degree of impact	 150 billion yen or more Extended power outage Permanent disruption/Not being able to return to work/Death News coverage and response across the country 	High	(11) Information disclosure-related issues	 (9) Problems with the provision of products and services and deterioration in quality (10) Decrease in human capital competitiveness (15) Increase in energy business (25) Darage to the asset value of businesses other than energy 	Climate change Constant of the states of the stat				
Degree o	50 billion yen or more Medium-scale power outage Serious injury News coverage and response in the Kansai area	Medium			 (7) Reputation (14) Decline in operating revenue from energy business (21) Change of political measures (22) Damaget to the asset value of energy business 				
	 Lass than 50 billion yen Small-scale power outage Minor injury News coverage and response in specific areas 	Low			 (2) Environmental laws and regulations (12) Decline in profits from investment and loan (18) Decline in profits from power transmission and distribution business (19) Decline in profits from information and telecommunications business and telecommunications business (20) Decline in profits from life/business (23) Stagnation of innovation 				
			Low	Medium	High	Huge			
R	Gravity Low Medium High Huge Red font: Perspective of achieving financial targets		Less than once/25 years Unlikely to materialize	 Once or more/25 years - Less than once/5 years Possibly materialize within 25 years 	 Once or more/5 years Possibly materialize within 5 years 	 Once or more/year Has already materialized and maximized 			
E	Black font: Perspective of ESG		Probability of occurrence						

🔶 Risk map

[Note] Probability of occurrence indicates that, for example, a risk classified as "Medium: Once or more/25 years - Less than once/5 years" does not always occur at least once in 25 years, but viewed relatively, it is evaluated to have that degree of probability. The monetary impact reflects lower sales and higher expenses.

Kansai Electric Power Grou

Governance
 Kansai Transmission and Distribution, Inc

Investment risk management

Regarding investment in the domestic renewable energy business, international and our group businesses, and new businesses, in addition to the investment appropriateness evaluations, we have established and operated a series of management processes including post-investment monitoring, as well as consideration and implementation of disinvestment/replanning measures. The internal meeting structure (Investment Evaluation Committee), which consists of executives in charge of business promotion and corporate divisions, deliberates and examines such processes based on their specialized knowledge. In these ways, we support appropriate decision-making for individual projects and take timely measures when risks manifest to manage investment risks suitably. We regularly report these states of management to the Executive Meeting, and we reform frameworks and methods for evaluation and management as necessary.

Social

Kansai Electric Power Co., Inc.

<Investment appropriateness evaluations>

When implementing investments, along with conformity to company-wide policies for investment goals and objectives, with the assurance of profitability as a prerequisite, we are evaluating the appropriateness of each project based on sufficiently examining risks.

<Monitoring>

After making investments, we regularly conduct monitoring of individual projects to confirm their states of achieving investment objectives and profitability. We demand the implementation of necessary countermeasures when profitability decreases or other issues arise.

<Investigations on disinvestment and replanning>

For projects that have greatly worsened profitability or that have decreased retention value, based on comprehensive consideration of risks and other conditions, we promptly investigate and deliberate disinvestment and replanning as we strive to appropriately deal with risks.

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Kansai Transmission and Distribution, Inc.

Governance

Compliance

GOVERNANC

Compliance system

In order to radically strengthen our system of observing laws and regulations, the Group has decided to rebuild its compliance system by utilizing external human resources, and we established a Compliance Committee and an Office of Compliance Promotion in April 2020. Aiming to strengthen supervisory functions related to compliance, the Compliance Committee is organized directly under the Board of Directors as a committee independent from the President and other executive officers. The majority of the committee members, including the chairperson, are from outside the Company. (See page 99.)

The Office of Compliance Promotion was newly established as a business organization independent from the Office of General Administration in order to strengthen its promotion functions related to compliance. The Office is composed of employees with legal knowledge as well as employees with diverse work experience. Besides formulating and implementing the Group's compliance promotion plan and responding to problematic events, the Office reports on and brings up compliance-related events for discussion to the Compliance Committee. Then, with the guidance, advice and supervision of the Compliance Committee, the President and other executive officers are able to act and take concrete measures. In addition, an executive in charge of the Office of Compliance Promotion periodically reports on the status of compliance promotion to the Compliance Committee Chairperson, and in return he/she receives guidance, advice and supervision.



Compliance system

<Reference> Compliance Committee meetings held in fiscal 2021

Meetings of the Compliance Committee are held regularly on a quarterly basis, and will also be held swiftly and flexibly when a particularly problematic event arises.

In fiscal 2021, a total of six meetings were held, focusing on the deliberation of compliance promotion plan, compliance-related training, and investigation reports on compliance problematic events.

Efforts to promote compliance

For fiscal 2022, the major items for compliance promotion that should be recognized and worked on by the entire Group are "Penetration of compliance awareness across the Group and in all of its workplaces," and "Penetration of compliance awareness through the approach of 'superiors'* who are close to individual employees," to create open workplaces where employees can consult with their superiors on any matters and where compliance issues are addressed as organization responses.

* In addition to direct superiors such as section chiefs and section managers, those who are not direct superiors but are in a job position involving routine communication with the person in charge, such as general managers, are included.

Compliance Promotion Plan for fiscal 2022 -

1. Penetration of compliance awareness across the Group and in all of its workplaces

Implementation of group-wide training

Integrity approach-based training* is provided across the Group, including directors and employees of our group companies.

* Integrity approach-based training: Training to raise awareness toward better behavior

Sustainability for the Kansai Electric Power Group	Environment	Social	Governance	
	Kansai Electric Power	r Group Kansai Electric Power Co., In	c. (Kansai Transmission and Distribution, Inc.)	

Group-wide awareness-raising activities

Through communication, etc. between outside members of the Compliance Committee and employees, we will work to raise employees' awareness of compliance.

In addition, we will promote activities to disseminate our Compliance Policy established in fiscal 2021 as a concrete explanation of the Kansai Electric Power Group Code of Conduct from the perspective of compliance.

Additionally, we will support compliance activities in group companies by providing tools for raising awareness and discussion case examples, exchanging opinions with the secretariat of each group company on promotion activities.

Applying the Regulations on Handling of Gifts and Hospitality across the Group

We will apply the Regulations on Handling of Gifts and Hospitality stipulated in fiscal 2021, in addition to those on the reception of gifts and hospitality, to all group companies, and implement measures for the appropriate operation of these regulations by sharing examples of handling of gifts and hospitality.

Improving the group-wide compliance hotline system and promoting understanding

In accordance with the enforcement of the amended Whistleblower Protection Act (June 2022), we will improve our group-wide system and take steps to foster a sense of trust in the compliance hotline by sending out messages from the lawyer in charge of the external hotline.

2. Penetration of compliance awareness through the approach of 'superiors' who are close to individual employees

Support for supervisors to promote compliance

We provide tools for superiors to promote compliance at their workplaces, including case examples of internal and external compliance issues.

Promotion of consultation with superiors and use of the Compliance Hotline

We encourage general managers, etc. to send out messages regarding the protection of confidentiality, prohibition of detrimental treatment, etc.

Autonomous compliance promotion in accordance with the characteristics of each division/group company

Promoting compliance in each company division and group company

By having each division and group company actively facilitate the functioning of PDCA cycles and promote compliance, we seek to have the idea that "compliance is a foundation of business" permeate and become established throughout the entire Group.

Specifically, each division has created their own "compliance promotion plans" and is striving to implement, evaluate and improve their promotion efforts. When doing so, they are considering the Company's fundamental policies and major themes, the business and work characteristics of their divisions, and compliance risks that could occur in the future along with changes in the business environment, unacceptable incidents that occurred in the past both inside and outside the Company, and other factors. Furthermore, considering our fundamental policies and major themes, each of our group companies is autonomously promoting compliance based on the characteristics and sizes of their businesses, as well as other real conditions. Compliance awareness survey (Results of questionnaire given to all employees on sustainability conducted in November 2021)

Are you acting with awareness of compliance on a daily basis?



Supporting the efforts of each division and group company

In addition to leading the promotion of efforts of the Group as a whole, our Office of Compliance Promotion is supporting the efforts of each division and group company. In fiscal 2021, as part of our support for awareness-raising activities related to compliance of the entire Group, we prepared a leaflet on our Compliance Policy established in the same year, which can be carried at all times for confirmation, and distributed it to each division and group company.

In addition, as a project with the participation of employees, we invited applications from each division and group company for our new mascot character and held an awards ceremony.

Going forward, we will further enhance discussion materials and strengthen support through communication with each division and group company.

Sustainability for the Kansai Electric Power Group	Environment		Social	Governance
	Kansai Electric Power G	Group	Kansai Electric Power Co., Ind	 Kansai Transmission and Distribution, Inc.

Efforts to prevent overseas bribery

The Group is globally operating business in Asia, North America, Europe, and many other regions, and we believe that complying with local legislation and rules is a major premise for global business expansion.

In particular, as tightening of bribery regulations has become a global trend, we have established internal rules to prevent bribery of foreign public officials, etc., and clarified prohibited items such as gift-giving and entertainment with wrongful intentions as well as items to be observed. At the same time, we are continuously informing divisions involved in international transactions, including the International Business and Cooperation Division, through training and other means.

We will continue to strive to prevent inappropriate bribery through these efforts.

Compliance Hotline

The Kansai Electric Power Group Code of Conduct stipulates how to report to and consult with the hotline when feeling doubt or discomfort related to compliance.

Our Compliance Hotline has been set up for consultation when people have doubts related to compliance in their workplaces, and in regard to various legal violations and improper work conduct. This hotline is available not only to officers and employees of our group companies and contractors but also to those retired or resigned from the above. The hotline is designed to prevent, detect early, and correct

inappropriate behavior in terms of compliance. If required, a lawyer specializing in the field relevant to each issue will respond, and he/she can request the Compliance Committee or Audit Committee to take effective measures at his/her own discretion.

We are working to create an environment offering a more approachable service that can accept anonymous consultations and that allocates female consultants, for example, and are strictly prohibiting detrimental treatment of consulters due to having received consultation. Paying close attention to protecting the confidentiality of consulters, we disclose consulters' names only to the minimum parties required for fact-finding and taking action, and impose confidentiality obligations on them. In addition, we proceed with a fact-finding survey while confirming the intention of each consulter.

Considering the importance of using the hotline, with intranet, posters, leaflets, and various educational tools, we are continuously informing and encouraging each of our divisions and group companies to use the hotline.

In fiscal 2021, a consultation with an outside organization (a lawyer's office) revealed a case of inadequate work experience for a construction management technical certificate exam in a company of our Group. Based on advice and guidance from the Compliance Committee, we publicly announced currently known facts, and the third-party committee is conducting an investigation.



◆ Kansai Electric Power Group Compliance Hotline



Responding to compliance violations

Based on our business improvement plan formulated in fiscal 2019, the Company and Kansai Transmission and Distribution, Inc. have established a reporting system when a problematic event occurs, and stipulated the reporting rules for executives and employees in our internal rules.

In the relevant divisions, should respective division heads become aware of any information on major violations of laws and regulations (including omission of procedures stipulated by laws and regulations) or fraud and other compliance-related issues that affect the Company's and the Kansai Transmission and Distribution's credibility with the external stakeholders, they shall immediately report these matters to the General Manager of the Office of Compliance Promotion. The General Manager of the Office shall take appropriate measures and report on these matters to the Compliance Committee to receive guidance, advice and supervision.

When executives become aware of an event that causes or is likely to cause a compliance issue, they shall report it to the outside members of the Compliance Committee and the Chairperson of the Board of Directors. In the same situation, employees shall report to their superiors. If it is judged appropriate based on the details of the report, employees can report to the Compliance Hotline set up inside and outside the Company, instead of reporting to their superiors. When a report is received, the Hotline shall investigate and take action in cooperation with relevant divisions and related parties as necessary. If the investigation reveals a violation of laws and regulations, the relevant divisions and related parties shall promptly take corrective and recurrence prevention measures, and if necessary, report to the relevant administrative agency and announce the issue to the news media. The General Manager of the Office of Compliance Promotion shall also follow up with related divisions and parties as necessary, and check whether the corrective and recurrence prevention measures are functioning sufficiently, as well as checking if any compliance issue has reoccurred. If a compliance issue has reoccurred, the General Manager can discuss necessary measures with relevant divisions as well as other related divisions.

Regarding compliance-related risk assessment

Each year the Kansai Electric Power Group assesses compliance-related risks, including anti-corruption, and selects compliance risk items to be addressed. We formulate and implement concrete preventive measures against these risks.

Results of a questionnaire for all employees regarding compliance awareness, etc.

The Company and Kansai Transmission and Distribution, Inc. conduct a "Sustainability questionnaire for all employees (conducted every year since fiscal 2006)" which includes a survey on compliance awareness. Utilizing the results of the survey, we will continue to work on correcting our corporate structure and fostering a sound organizational culture that emphasizes compliance.

Social Kansai Electric Power Co., Inc.

Social

Information security measures

Policy and Concept

Amid rising awareness of personal information and accelerating data utilization with the progress of digitization, the Amended Act on the Protection of Personal Information has been enacted, imposing more stringent obligations on business operators that handle personal information.

The Group believes that the proper protection of personal information is an important responsibility in order to earn the trust of customers and many other people in society, as well as to fulfill our mission as an enterprise. Fully recognizing the importance of personal information the Company and group companies obtain from our customers, etc. that we must handle carefully under principles of respect for the individual, we deal with personal information appropriately in consideration of rights as the right to privacy, in compliance with the Act on the Protection of Personal Information and other guidelines.

With regard to information security, including proper handling of business and personal information, measures on an organizational, personnel, physical and technical level have been implemented. We seek to improve on these measures by incorporating internal and external events as well as reviewing the latest technology and knowledge as appropriate.

System -

Director responsible: Makoto Araki [Kansai Electric Power CISO (Executive Vice President)] Deliberative body: Executive Meeting

Management office: Cyber Security Administration Group, Office of IT Strategy (Information Security Management Office)

Efforts

The Group works to enhance information security. Our efforts include strengthening physical and technical measures such as entry/exit controls and access controls for information systems. Organizational and personnel measures such as reviewing internal rules, training employees, and training to defend against targeted email attacks are also ongoing.

Participation rate of information security training (conducted January to February 2022)	97.7% (8,084 participants)
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Relevant data

		2020/3	2021/3	2022/3
		17,979	17,715	17,235
Number of information security training participants	Kansai Electric Power Co., Inc.	_	8,269	8,084
	Kansai Transmission and Distribution, Inc.	—	9,446	9,151
Major information security incidents		2	1	0

MEMO



We wish to be a source of power for our customers and communities by serving them with sincerity and passion.