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## **Innovation Management**

### Summary

Basic approach	

The Daigas Group views technology as the foundation for its corporate competitiveness and views research and development as one of its most important strategies for differentiating itself from the competition. We also recognize that proactively leveraging digital technology for our business, creating innovative services, evolving data management, and reforming business processes will lead to improved business competitiveness.

While providing a stable supply of city gas in the Kansai region, the Group has expanded its business into peripheral areas and developed together with the region by working on research, development, and practical application of various new technologies that lead to comfortable lives and development of business for our customers.

To attain sustainable development and growth that address the needs of the environment and society, the Group will create new value and provide a wider range of services and new technologies to customers in collaboration with various stakeholders.

Theme	Items to be addressed	Specific initiatives
Promoting business transformation with DX → P.065	<ul> <li>New service development</li> <li>Operational process innovation</li> <li>DX promotion structure enhancement</li> </ul>	Policy and promotion system         We aim to become a "corporate group capable of keeping on changing" to continue providing value amid rapid change in society and the working environment as well as changes in customer values. We will proactively leverage digital technology, which is progressing rapidly, for our business and accelerate both value provision through new service creation and productivity improvement through operational process innovation. In April 2022, we established the DX Strategy Department at the Corporate Planning Headquarters, and the DX Committee, a corporate committee, performs cross-organizational coordination and promotion of DX for the entire Daigas Group. In FY2024.3, we commenced specific initiatives, including Daigas X (Daigas Transformation), which reforms how to execute work, as well as an initiative to innovate both customer experience and operational processes in a joint team of business and digital talent.         Initiatives undertaken in FY2024.3         • Created new customer experience       • Transformed employee value through Daigas X (Daigas Transformation)         • Created new customer experience       • Transformed employee value through Daigas X (Daigas Transformation)         • Worked on operational innovation by adopting SaaS and generative Al       • Developed DX core staff (cumulative total of approx. 180 people)
Research and development/intellectual property → P.068	<ul> <li>Research and development of technologies that contribute to achieving carbon neutrality</li> <li>Technology development to ensure stable energy supply and safety</li> <li>Research and development for the creation of new businesses</li> <li>Securing and utilizing intellectual property rights</li> </ul>	Policy and promotion system         In line with the Carbon Neutral Vision, Energy Transition 2030, and the Medium-Term Management Plan 2026, we aim to realize a carbon neutral society and promote research and development of technological development, we make decisions on the implementation of technological development, allocate appropriate budgets according to the importance of the theme, and follow up on progress at the time of implementation.         Initiatives undertaken in FY2024.3         Promoted research and development, including that of methanation, to achieve carbon neutrality         Continued to promote technological development to ensure and improve safety, and research and development to create new businesses.         Secured and utilized intellectual property rights in conjunction with business and technology development strategies         Promoted the commercialization of antural material-derived ketone body OKETOA <sup>TM</sup> by utilizing it for health foods, etc.         Promoted the commercialization of antimicrobial and antivirus agent TioClean <sup>TM</sup>
Creating new businesses → P.069	<ul> <li>Commercialization of the Daigas Group's proprietary technologies</li> <li>Development of new businesses through cooperation with diverse partners</li> </ul>	<ul> <li>Policy and promotion system</li> <li>We will commercialize the Daigas Group's proprietary technologies and seek to create new businesses by combining our strengths with other companies' technologies and services. We thus aim to increase the Group's earnings, and contribute to resolving social issues. From FY2025.3, functions to create new businesses are consolidated under the umbrella of the Next-Generation Business HQ. With this structure, we will seamlessly promote research and technology development, cooperation with diverse partners, and commercialization, and accelerate the creation of new businesses.</li> <li>Initiatives undertaken in FY2024.3         <ul> <li>Promoted open innovation activities that actively integrate and utilize Osaka Gas's technologies and needs and external parties' technologies and ideas</li> <li>Promoted the commercialization of radioactive cooling material SPACECOOL®</li> <li>Created new businesses, such as those related to EVs and circular economy, with partners</li> </ul> </li> </ul>

065

## **Promoting Business Transformation with DX**

### **Principle and Outline**

We aim to become a "corporate group capable of keeping on changing" to continue providing value amid rapid change in society and the working environment as well as changes in customer values. We will proactively leverage digital technology, which is progressing rapidly, for our business and accelerate innovative service creation, data management evolution, and operational process innovation.

We will change our business operations to enable them to respond rapidly and flexibly to any changes to enhance productivity dramatically to create value sustainably for realizing Medium-Term Management Plan 2026 and Long-Term Management Vision 2030.

In the new age in which both our customers and services rapidly change, we will aim for transformation of the business itself and for innovation as a corporate group that can keep on changing by revising constantly and flexibly our business model, operations, rules, and systems, which used to be taken for granted.

To make a major transformation to realize our vision, we will work on building a promotion system driven by top management, strengthening human resources development, demonstrating the comprehensive strength of the Daigas Group, including OGIS-RI Co., Ltd., and building alliances with our partner companies.

### **DX Promotion System**

In April 2022, to realize "what we aim to be" and accelerate business transformation (creation of new businesses/sophistication of existing businesses/operational process innovation) and system transformation, we established the DX Strategy Department under the Corporate Planning Headquarters as an organization consolidating the Information/Communication Systems Department and the DX Promotion Office.

We also established the DX Committee as a company-wide committee to perform crossorganizational coordination and promotion of DX (business transformation utilizing digital technology) for the entire Daigas Group from the perspective of alignment with the business, IT and financial strategies, etc., and we aim to realize the group-wide vision and transform the business.

## DX Strategy

### **1** New Service Development

We will offer various services with higher value by incorporating trends and the diverse needs of customers without delay. Services here do not only refer to the new businesses, but also encompass the enhancement of existing businesses that lead to an increase in the number of customer accounts, business opportunities, sales, etc.

To this end, utilizing valuable assets such as data becomes increasingly important. For example, we will make use of customer data and provide 1-to-1 communication that proposes optimal services at optimal timings for customers. In addition, we will accelerate the trial and error cycle and foster Group-wide customs and mindsets that enable the Group to move forward with new initiatives aggressively and quickly.

### 2 Operational Process Reform

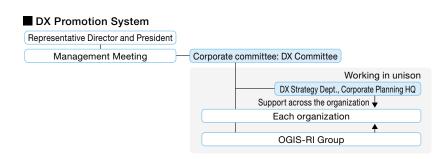
We will also focus on merging and abolishing operations as well as standardizing and aggregating different procedural operations among organizations to broadly redesign the entire operational process.

In addition, we will improve operational efficiency by incorporating SaaS\*2, generative AI, and other digital technologies into business operations. Simultaneously, we will reform ways of work and how to proceed with tasks through Daigas X. This will make room for deepening highly specialized operations and lead to better value provision to customers.

\*2 SaaS: A service that allows users to use software via a network, such as the internet

### **3 DX Promotion Structure Enhancement**

We established group-wide systems and structures to promote DX, with stronger collaboration with OGIS-RI Co., Ltd. in charge of the IT solution business. In addition, The Group will accelerate DX by demonstrating its collective strength and strengthening its human resources and structures through the development of core personnel who will be responsible for promotion and business transformation.



### What We Aim To Be"A Corporate Group Capable of Keeping on Changing" Daigas Group's DX Strategy



### **Key Initiatives**

The Daigas Group is driving forward initiatives in line with its DX strategy. In order to promote employee understanding, the progress, results, etc. of specific initiatives are communicated through the internal portal website.

### **1** New Service Development

#### Creation of new customer experience

To keep providing value to customers, we have started to transform our business activities toward what we aim to be in 2030. A project has been launched involving approximately 70 employees from residential business divisions<sup>\*1</sup>, which perform customer-facing activities; the DX Strategy Dept., which promotes DX; and OGIS-RI Co., Ltd. The project is restructuring our business operations and systems that support those operations, taking a customer-oriented approach. We are trying out new ways of working that incorporate Agile "Forms"\*2 in proceeding with tasks, which allows us to adapt quickly to changes in the circumstances.

We will continue with these initiatives, and define what we aim to be and promote transformation in businesses other than residential as well.

- \*1 Please see our Integrated report 2024. P.40-P.41 examples of FY2024.3 activities in services for residential customers
- \*2 An agile approach is a method where minimally required output is generated during short cycles and improvements are made based on feedback

### Operational Process Reform

#### Transforming employee experience through Daigas X (Daigas transformation)

Daigas X, in full-scale operation since FY2024.3, rolls out activities that aim to enable diverse human resources to take on challenges, keep learning, and grow, as well as to let us speedily explore and deepen our understanding of unprecedented changes. Discussions were also held in each organization on where they aim to be and what actions to take, in light of the situation of each organization and on the frontline. A total of 4,400 employees participated in the discussions. Information was shared on initiatives that are producing results, such as the utilization of IT tools to accumulate knowledge across organizational boundaries. From FY2025.3 onward, we will continue with the discussions in each organization, identify issues, and advance transformation.

Daigas X

**Daigas Transformation** 



Aims of "Daigas X" are communicated and shared within the Group

#### System reform

In FY2024.3, we introduced SaaS in such operations as sales, accounting, and internal communications, promoting operational reforms. We offered an environment where employees can try using generative AI, with information security guaranteed. More than 700 employees used it, and we confirmed that efficiency improved in such tasks as summarizing documents and drafting answers to inquiries. Going forward, we plan to expand the scope of use while paying attention to the accuracy of information, security, and other issues.

In FY2025.3, we will introduce an environment where all employees can use generative Al, accelerating new value creation and operational reform even further.

### DX Promotion Structure Enhancement

Social

#### Promotion structure that aims to integrate business with digital

In FY2024.3, a new training program for managers was launched to improve their skills and transform their mindset. This adds to the lectures by and dialogues with external experts in place for the management since the previous year. We also enhanced the development of DX core staff, who play a core role in DX promotion. By implementing a development program that includes lectures, OJT, and feedback interviews and taking other measures, we have developed a total of approximately 180 DX core staff members as of April 2024. In addition, we offered a self-learning support program on DX for all employees, and approximately 700 employees took the program.

Furthermore, OGIS-RI Co., Ltd. offers DX Practical Training, which is a service where IT professionals work together with organizations to help resolve issues. More than 100 cases a year were submitted for consultation. There was a case where using IT tools in answering inquiries halved the hours spent on the task. The training also functions as an opportunity to gain experience on DX while implementing the transformation. With these initiatives, we aim to build a system where top-down and bottom-up approaches create synergy.

#### Development Program by Job Level

Job level	Development program				
Management	<ul> <li>Lectures by and dialogues with external experts held about once a month (approx. 20 participants)</li> </ul>				
Managers	<ul> <li>Rollout of videos and textbooks to gain basic knowledge, group training for part of managers</li> </ul>				
DX core staff	<ul> <li>Development program including lectures, OJT, and interviews (developed a total of approx. 180 employees)</li> </ul>				
All employees	<ul> <li>E-learning, courses for obtaining qualifications</li> <li>Share lectures for the management</li> <li>Offer a self-learning support program that mainly consists of online learning</li> </ul>				

### **Key Initiatives**

Receiving LNG carriers

Contents

### DX in Gas Production Process—Optimization of LNG Tank Operation Planning

Once LNG is delivered to a manufacturing plant, it is stored in tanks and then delivered according to demand, which requires appropriate heating value management and inventory control. The formulation of the tank operation plan requires expertise of skilled personnel since complex equipment configurations, operational constraints, city gas demand and various other factors need to be considered. We are working to optimize tank operation planning, using this expertise and mathematical programming.

at terminals

LNG inventory management

#### Storage Storage Storage tank tank tank City gas Storage Storage Storage tank tank tank Power plant Conditions to consider Carrier allocation plan Calorific value of LNG Tank availability and inventory Status of facilities, etc. Derive plans for receiving LNG vessels, LNG inventory management and gas delivery, respectively, to keep inventory and calorific value within

control limits and to minimize operational load.

Introduction

### AI-Based Self-Wheeling Scheme for Renewable Electricity -Starting supply and demand management service for self-wheeling, using a solar power generation system -

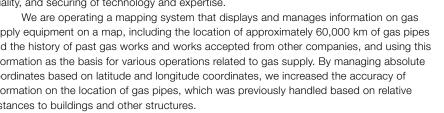
As one of our carbon neutralization solutions for corporate customers, we have started proposing a new electricity scheme using renewable energy, which is greatly affected by weather conditions, by using the weather forecasting technology and AI developed independently by Osaka Gas for output and demand prediction to improve accuracy.



### **Digital Utilization in Gas Supply Equipment Management**

Since the gas supply business involves a great deal of on-site work, including gas pipe installation, maintenance and management, and safety monitoring, and involves an extremely large number of employees and partner companies, we are promoting the use of digital technology for the purpose of future efficient business operation, improvement of safety quality, and securing of technology and expertise.

supply equipment on a map, including the location of approximately 60,000 km of gas pipes and the history of past gas works and works accepted from other companies, and using this information as the basis for various operations related to gas supply. By managing absolute coordinates based on latitude and longitude coordinates, we increased the accuracy of information on the location of gas pipes, which was previously handled based on relative distances to buildings and other structures.





Gas transmission

Social

067

Fiscal year ended March 31,2024

068

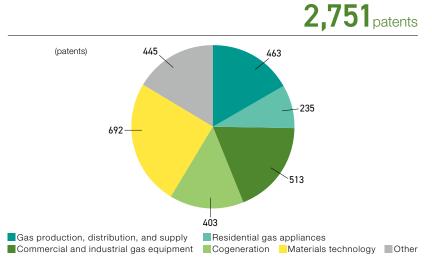
## **Research and Development/Intellectual Property**

### **Principle and Outline**

The Daigas Group consider research and development to be one of the most important growth strategies for the Group. In addition to ensuring and improving safety, we are conducting research and development aimed at improving operational efficiency and reducing equipment-related costs through the use of digital technology, improving customer convenience, and enhancing the sophistication of existing services. We are also engaged in research and development for the creation of new businesses and research and development that contributes to the realization of carbon neutrality.

Furthermore, we regard intellectual property rights as an important management resource and are actively working to secure and utilize the rights in conjunction with our business and technology development strategies. We are also actively promoting open innovation activities to accelerate and streamline development and create new technologies and products by actively integrating the Group's proprietary technologies with those of external parties and utilizing them.

### Patent Portfolio by Business Type (Group)



### **Reward System for Inventors**

Osaka Gas has an invention achievement reward system in which inventors who have made significant contributions to its business are rewarded in order to motivate employees to invent and encourage intellectual property activities.

We disclose the results of the review of achievement rewards on the internal portal site, and respond to inquiries and opinions from employees regarding the results of the review, in an effort to operate the system in a fair and transparent manner.

### **Initiatives for Commercialization**

Social

## Promoting the commercialization of natural material-derived ketone body OKETOA<sup>™</sup> by utilizing it for health foods, etc.

Taking advantage of its proprietary fermentation technology cultivated through biogas manufacturing and development and other businesses, Osaka Gas succeeded in mass-producing ketone body D- $\beta$ -hydroxybutyric acid (D-BHB) by fermentation for the first time in the world. We worked on the manufacturing and achieved the commercialization of natural material-derived ketone body OKETOA<sup>TM</sup>.

Ketone bodies are produced in the body as an energy source when sugar, utilized as an energy source in the body, becomes depleted (when carbohydrate intake is restricted).

Recently, D-BHB has been shown to be an energy source that elicits various physiological effects superior to sugar and is attracting attention around the world as a raw material for supplements, etc. We are promoting the use of D-BHB for a wide range of products, including cosmetic raw materials, health foods, and supplements.



### ■ Production flow of natural material-derived ketone body OKETOA<sup>™</sup>

#### Promoting the commercialization of antimicrobial and antivirus agent TioClean™

Osaka Gas started the development of antimicrobial and antivirus agents before the spread of COVID-19. By introducing additives to our proprietary photocatalysts that take advantage of technology developed for solar power generation, we have succeeded in the development of antimicrobial and antivirus agent TioClean<sup>™</sup>, which demonstrate high antimicrobial, antivirus and antifungal properties and are easy to use.

There is a strong demand for antimicrobial and antivirus agents that are transparent, well adhere to the base material, and demonstrate antimicrobial and antivirus properties in a wide range of environments. TioClean<sup>™</sup> offers all of these properties.

We will roll it out to be used for furniture and other home equipment and public, commercial, and other facilities, where there is demand for antimicrobial and antivirus properties, as well as for medical equipment and hygiene products.

## **New Businesses Creation**

### **Principle and Outline**

The Daigas Group has expanded its business domains to the Urban Development Business, Materials Solutions Business, and Information Solutions Business by taking advantage of technologies and strengths nurtured in the energy business and creating products and services that help resolve issues customers are facing. We will continue to work on the creation of new businesses, aiming to facilitate the Group's sustainable growth and contribute to the resolution of social issues.

### **Open Innovation Activities**



Open innovation refers to an efficient approach used to seek solutions outside the company to the problems that Osaka Gas is unable to solve independently, with the aim of creating new value. Osaka Gas has pioneered this approach since 2009. Our efforts have led to the building and expansion of a network of partnerships (Open Innovation Platform) with universities, public research institutes, small enterprises, large corporations, ventures and overseas companies.

To find outside partners to work with, we have revealed details of our technology to-do list, something we have rarely done in the past, in order to solicit promising technical ideas from outside parties. After we launched full-fledged open innovation activities in FY2010.3, we have achieved many matchmaking opportunities. Some cases have actually led to commercialization and practical applications.

For example, gas pipe patrols using technology that automatically recognizes the part requiring construction with an on-board Al camera, and the use of drone technology in facility inspections are examples of value-added products created by combining our technology with external technologies.

The task ahead is to introduce some of the efficient technologies that we obtained externally, and together with our alliance partners, actively promote the creation of new R&D themes and creation of new businesses through the Open Innovation Platform.

### Developing new EV-related businesses with partners

Social

Expanding the use of EVs along with providing carbon neutral power sources is positioned as an effective means to achieve carbon neutrality by 2050. Against such backdrop, Osaka Gas is driving forward new initiatives, including capital and business alliances in the EV-related field with REXEV Co., Ltd., NExT-e Solutions Inc., folofly Inc., and Terra Motors Corporation.

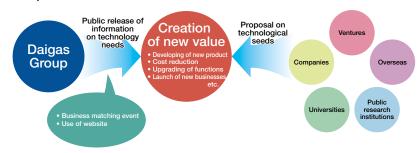
Specifically, we are considering business in a variety of fields through the alliance with these companies, such as utilizing EVs for the adjustment of power supply and demand and car sharing, converting mobility-derived reused storage batteries to grid storage batteries<sup>\*1</sup>, utilizing commercial EVs in the car leasing business, and proposing and developing EV charging infrastructure.

In addition, one of our Group companies, Daigas Energy Co., Ltd., launched in November 2023 the D-Charge service, where the company provides EV charging solutions that combine the installation of EV chargers with energy management\*<sup>2</sup> to commercial and industrial customers without any initial investment.

D-Charge offers both fast and regular chargers and meets the needs for base charging<sup>\*3</sup> and destination charging<sup>\*4</sup>. In accordance with customer needs, the service can also incorporate D-Green<sup>\*5</sup>, which supplies electricity from 100% renewable energy sources.

- \*1 Storage batteries directly connected to power grids to stabilize grids by storing electricity when there is excess power in the grid and discharging it when there is a shortage.
- \*2 Cutting peak power use and shifting peak power loads to reduce the impact of EV charger use on power demand.
- \*3 Charging at the base for the vehicle, such as home or company parking lots.
- \*4 Charging at the destination, such as commercial facilities, while staying there.
- \*5 Tariff for the supply of electricity from 100% renewable energy sources.

#### How Open Innovation Works

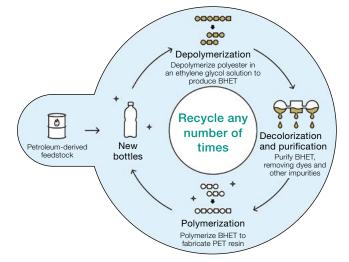


In December 2023, Osaka Gas entered into a capital and business alliance with JEPLAN, INC., which engages in businesses related to technologies for chemically recycling polyethylene terephthalate, a raw material for plastic bottles and other goods.

JEPLAN, INC. is one of the few companies in the world that has commercialized the horizontal recycling of plastic bottles to plastic bottles and polyester clothing to polyester clothing, using its proprietary PET chemical recycling technologies.

The Daigas Group will take advantage of its strong network and work to promote the recycling of plastic bottles and clothing in the Kansai area. The Group will also work on the reduction of costs and CO<sup>2</sup> emissions in the chemical recycling process with its energy-related solutions. Both companies will take advantage of their respective strengths and aim to contribute to the creation of new value and the promotion of a circular economy.

### Recycling to make bottles from bottles



Source: "Making bottles from bottles" from JEPLAN, INC.'s website

### Launching "FitDish," a regular delivery service for refrigerated pouched foods

Osaka Gas started in September 2023 the regular home delivery (subscription) service "FitDish," using "Automatic Diagnosis" to deliver refrigerated pouch foods tailored to each customer's needs based on inputs on lifestyle and preferences.

With "Automatic Diagnosis," customers enter information on the Web about their family structure, allergies, and other preferences that match their lifestyle, and receive monthly menus which our proprietary algorithm estimates to be highly satisfying according to their needs. Personalization accuracy is further improved by evaluating the food afterwards. It eliminates the "menu-planning fatigue" of having to think about the menu, such as thinking "What should I cook today?" or "What should I cook for one more dish?"

The dishes we deliver are supervised by Osaka Gas Cooking School Co,. Ltd. In order for our customers to eat with peace of mind, we use as few preservatives and coloring agents as possible and focus on a gentle, home-cooked taste that they will never get tired of. In addition, we also provide arranged recipes so that customers can enjoy the dishes they receive even more. Moreover, by delivering refrigerated pouch foods that do not need to be thawed, not only does it take less time to cook compared to freezing, but it also eliminates "freezer congestion" where the freezer is full and no more space is available, allowing spacesaving storage in the refrigerator. Customers can also store the dishes in the refrigerator for about a month, so they can use them whenever they like.



Social

Delivered once a month in a refrigerated pouch



Can be stored in the refrigerator to save space

# Human Resources Strategy

## Summary

nd employees. Based on the belief that human ne foundation of all our operations, we are an take on challenging and rewarding work. ment Plan 2023. In the Medium-Term Management of our material issues to accelerate initiatives.

Theme	Items to be addressed	Specific initiatives
Human resources management 	<ul> <li>Retention of necessary personnel to respond to the evolution of our business portfolio</li> <li>Maximization of the entire Group's performance by assigning the right people to the right jobs</li> <li>Revitalization of individuals by increasing job satisfaction</li> <li>Materiality Employee engagement</li> </ul>	Policy and promotion system         We are engaged in various initiatives to improve employee satisfaction and the Group's entire performance in a rapidly changing business environment with increasingly diversified employees' work perspectives.         The personnel system of the Osaka Gas helps all employees understand their roles and expectations through meetings with their supervisors, who serve as personnel development advisors, and allows employees to choose their own career course to pursue. Moreover, we have established the Daigas Group Safety and Health Council to discuss measures for and share information on occupational accident prevention and health maintenance and enhancement. Each year, we measure employee engagement through the Attitude Survey of Daigas Group employees, reflecting the results in each policy.         KPIs based on the materiaity       FY2024.3 results         Employee engagement       Conducted the Employee Attitude Survey. Maintained four overall indicators at appropriate levels         Initiatives undertaken in FY2024.3       Strengthened recruitment of highly specialized human resources and established a multi-track career path system by offering new career paths         Introduced to implement improvements to the workplace environment to make it more comfortable to work in
Human resources development → P.075	<ul> <li>Revision of the specifics of the training contents in light of the employees' desired level of growth and the personnel profile</li> <li>Implementation of DX human resources education</li> <li>Materiality Development of employee skills</li> </ul>	Policy and promotion system         The Daigas Group's Long-Term Management Vision 2030 lists the promotion of work style reform and development of human resources as important goals. We consider it vital to develop personnel who are capable of working actively in a rapidly changing business environment, and to that end, we offer a range of training and educational programs aimed at developing individual capabilities. Osaka Gas offers a wide range of training programs for all positions and job descriptions, in addition to the training system for each career course. These include training programs by level along with self-directed training.         Human Resources Department       Leading the development of common elements across the company         Respective organizations       Leading the development of organization-specific elements (operational expertise, acquisition of qualifications, etc.).         Supervisor       Person responsible for development         Instructor for new employees       Person promoting the development of new employees' skills during their first three years of employment         Confirmation of the development status and support       Confirmation of the development status and support         KPIs based on the materiality       FY2024.3 results         Annual average hours of training per employee       Practical training: 25.1 hours/person; e-learning: 6.2 hours/person         Initiatives undertaken in FY2024.3       Periodically conducted follow-ups and assessments through meetings between employees and their supervisors based on Management by Objectives (MEO) approach         • Developed each individual's spontaneous desire

Contents	Introduction	Management	Environmental	Social	Governance	ESG Data	_ (

Theme	Items to be addressed	Specific initiatives				
	For empowerment of female employees: Implementation of career education (including	Policy and promotion system We take action across the organization in line with the UN Global Compact, related laws, and the Daigas Group Diversity Promotio Policy to make improvements in recruitment, human resources development and the workplace environment, led by the dedicated division for diversity promotion.				
DE&I (Diversity, Equity, and Inclusion) → P.078	<ul> <li>balancing of work and childcare)</li> <li>Creation of an environment where life events do not disrupt a career</li> <li>Enhancement of recruitment activities for female students</li> <li>Materiality DE&amp;I (Diversity, Equity, and Inclusion)</li> </ul>	KPIs based on the materiaity       FY2024.3 results         Percentage of women among:       • Percentage of women among Executives/Directors: 26.7%/20.0% (Results after the Annual Meeting of Shareholders held in June 2024: 26.7%)         • Newly promoted to middle management positions       • Percentage of women among all career-track employees promoted to middle management positions: 15.9%         • New recruits for career-track positions       • Percentage of women among new recruits for career-track positions: 32.8%         Initiatives undertaken in FY2024.3       • Implemented self-motivated career development through the mentoring program				
		<ul> <li>Strengthened cooperation between those engaged in employee development (supervisor, HR departments in the organization and head office), using meeting sheets from pregnancy to return to work.</li> <li>Held information sessions that introduce a range of actual career paths to clarify how employees can play active roles after joining the company</li> <li>Policy and promotion system</li> </ul>				
Work-life balance → P.081	<ul> <li>Implementation of measures for supporting employees balancing work and life</li> <li>Efforts to improve productivity and reduce working hours</li> </ul>	We aim to create a corporate culture in which employees can maximize their abilities by striking a balance between rewarding work and fulfilling personal lives and involvement with society. Furthermore, labor and management are working together to realize a work-life balance by systemizing support measures needed by employees at each life stage and creating a workplace environment that facilitates the use of such measures. We are working on work-style reform while considering measures to promote highly productive and creative work styles through corporate committees including the DX Committee.				
	<ul> <li>Support for community activities involvement</li> </ul>	<ul> <li>Initiatives undertaken in FY2024.3</li> <li>Expanded systems to promote work styles that are not restricted by location or time (telework, flexible work hours and paid leave by the hour)</li> <li>Implemented mindset-building programs to promote the penetration of systems that support balancing work with childcare, nursing care, and medical treatment</li> </ul>				
		Policy and promotion system				
Labor safety and health	<ul> <li>Continued implementation of measures to prevent occupational accidents</li> <li>Practical implementation of Kenko Keiei*</li> <li>Continued support for labor health and safety management at group companies</li> <li>*The term "Kenko Keiei®" is a registered trademark of Non-profit Organization Kenkokeiei.</li> </ul>	In March 2021, we established the Daigas Group Declaration of Health and Productivity Management by summarizing our attitude toward Kenko Keiei (health and productivity management), which was indicated in the Daigas Group Corporate Principles, the Daigas Group Charter of Business Conduct, and the Daigas Group Code of Business Conduct. We also established the Daigas Group Action Guidelines "7 Rules for Being Healthy" to encourage employees to live healthy lifestyles. In addition, in order to create a workplace where employees can work safely, based on the idea that ensuring safety and maintaining and improving physical and mental well-being are key to all operations, we declared in the Daigas Group Code of Business Conduct that we will prevent occupational accidents and promote fitness.				
<u>→ P.083</u>		<ul> <li>Initiatives undertaken in FY2024.3</li> <li>Continued implementation of measures to prevent occupational accidents: Continued implementation of safe driving education and heat stroke countermeasures</li> <li>Practical implementation of Kenko Keiei: Health promotion activities based on the Daigas Group Action Guidelines "7 Rules for Being Healthy"</li> <li>Implementation of health-related training: 19.2% of employees participated</li> <li>Continued support for labor health and safety management at group companies: Once a year each group company prepares a safety and health action plan. Conducted a survey on the status of labor health and safety management in conjunction with the submission of the action plan. 13,767 employees from 34 companies (total of Osaka Gas and affiliated companies)</li> </ul>				
		received regular health checkups at the Osaka Gas Health Development Center.				
Communication between employees and company	<ul> <li>Continuing to set up opportunities for direct dialog between Osaka Gas President and group employees</li> <li>Maintaining and strengthening sound and good labor-management relations to resolve</li> </ul>	Policy and promotion system The Daigas Group believes that it is important for employees and the company to work together to realize the healthy growth of each group company with a sense of mutual trust and tension. To this end, we promote communication between employees and the company by opinion exchanges at informal meetings between the labor union and management and various study committee meetings, as well as workplace visits by the President of Osaka Gas to group companies and organizations.				
→ P.088	<ul> <li>Continued implementation of the in-house award system</li> </ul>	<ul> <li>Initiatives undertaken in FY2024.3</li> <li>Continued to set up opportunities for direct dialogue between Osaka Gas President and group employees (workplace visits and meetings with young employees): 12 times provided</li> <li>Maintaining and strengthening sound and good labor-management relations to resolve issues: 12 work councils held</li> <li>Continued implementation of the in-house annual award system: President's Award granted once</li> </ul>				

## Human Resources Management

### **Principle and Outline**

To achieve its sustainable growth, the Daigas Group is working to maximize the value of each and every employee by hiring and fostering human resources who will continue to create value, creating an organizational culture that accepts diverse values and encourages challenges, and ensuring safety and maintaining and improving the health of its employees. We will continue to contribute to solving social issues, promote diverse and creative work styles, and work even more actively to create a rewarding and comfortable work environment.

Furthermore, based on the idea that it is important to create disruptive innovation in order to enhance our corporate value over the medium to long term and the driving force for such innovation is a combination of diverse individuals, we promote diversity, equal opportunity and inclusion and actively incorporate diversity in terms of experience, sensitivity and values into our organization. We have traditionally been helping female, elderly, disabled and non-Japanese workers play an active role and making considerations to ensure that they are not disadvantaged because of their minority status. We will develop an environment for them to further demonstrate their abilities.

### Efforts to Assign the Right People to the Right Jobs

The Daigas Group aims to implement business portfolio management based on the three pillars of "Domestic Energy Business," "International Energy Business," and "Life & Business Solutions Business." To maximize performance by ensuring the quality and quantity of personnel to that end and by empowerment of diverse human resources based on the principle of assigning the right people to the right jobs, we work to hire and foster human resources who can flexibly respond to changes in the business environment and highly specialized human resources. In particular, we secure human resources while expanding mid-career recruitment to meet the growing need for highly specialized human resources to realize our management strategies, which include initiatives to achieve carbon neutrality, accelerate international energy business expansion, and transform through DX. Recognizing the importance of sustainable organizational management in achieving our management strategies for the future, we will work to secure personnel in a planned manner and appoint personnel with an awareness of human resource development.

### Introduction of Talent Management System

Osaka Gas considered the introduction of a talent management system and has begun using the system on a trial basis since FY2022.3.

The job fields are classified into a total of 18 areas, including international business, electricity business, and financial operations. We reorganized the duties experienced by the target employees by linking them to their respective job fields, and we consolidated the experience of each member within the company.

By organizing these job requirements and consolidating human resource information to form foundations, and by matching the organized job requirements with human resource information, such as personal characteristics and transfer experience, we aim to maximize performance through the appointment of the right persons in the right positions and the empowerment of diverse human resources.

Furthermore, we will formulate a succession plan mainly for management posts, aiming to achieve sustainable performance as an organization.

### Efforts to Maintain and Improve Employee Engagement

In FY2022.3, we reviewed the content of the attitude survey, which was conventionally conducted at Osaka Gas, and designed and conducted the new Employee Attitude Survey so as to grasp employee engagement across the group. In a survey conducted in FY2024.3, 5,763 employees at Osaka Gas responded, and the response rate was 92.4%. At affiliated companies, 7,372 employees responded, and the response rate was 87.7%. Four indicators were used as evaluation indicators: "overall satisfaction," which indicates the current level of satisfaction with the company, "loyalty," which indicates the level of dedication to the company, "intention to continue working," which indicates the intention to continue working for the company, and "recommendation intention," which indicates the degree to which employees recommend the company to their friends and acquaintances. It was confirmed that the levels at Osaka Gas and its affiliated companies were higher than the society average. We analyze the results of the Employee Attitude Survey by age bracket, organization, etc., and implement measures to address identified issues.

### Data on Osaka Gas Workforce

Social

The number of employees at Osaka Gas (Non-consolidated) as of the end of March 2024 was 1,137 (male: 869/female: 268). For recruitment, a joint recruitment seminar is held by Daigas Group companies. In FY2024.3, 13 companies participated in the seminar, where approximately 250 students were provided explanations on the businesses of each group company and the type of personnel that they are looking for. Furthermore, in FY2024.3, we provided approximately 180 students with internship opportunities to gain work experience. The number of employees who joined the company through mid-career recruitment was 43. (The ratio of those hired through mid-career recruitment to full-time workers was 22.4%.) We are also actively hiring locally at our overseas affiliates.

(key performance indicators)

## Human Resources Strategy Targets

The Daigas Group strongly recognizes the need to further strengthen human capital initiatives to achieve sustainable growth. We position "support employees to shine in their roles" as a human resource strategy, which is a key pillar in the management strategy in the Medium-Term Management Plan 2026 announced in March 2024. We will drive forward (1) talent acquisition and development, (2) strategic deployment of talent to align with job requirements, and (3) revitalization of individuals, with KPIs set in addition to materiality indicators.

We will acquire and develop enough talent to allow them to operate appropriately with sound room on their plates, and both secure the quantity and improve the quality.

We will promote the strategic deployment of talent to align with job requirements, such as expanding talent management to all employees, so that we are more likely to both deploy employees to serve the purpose of business operations and achieve higher levels of employee satisfaction.

We will work on the revitalization of individuals, where we achieve both the creation of an environment that makes employees feel more rewarded and motivated and the maximization of the overall output.

					(key performance indicators		
Strateo	gy to enhance emp	loyee success in their roles	Specific initiatives and KPI	Current status*1	FY2027.3 target		
			Total number of new graduates and mid-career recruitments (career-track hires)	Previous medium-term plan: 266 people	Cumulative total of 3 years: 330 people (approx. 1.25 fold increase)		
		Expansion of	Mid-career hire ratio	22.4%	Approx. 30%		
		recruitment	Recruitment of recent graduates	_	In practice		
	Talent		Ratio of female career-track employees	32.8%	30% or higher		
	acquisition		Development of an alumni network	_	More than 50 people		
	and		Recruitment of DX core staff	180 employees	300 employees		
	development	Enhancement of	Common training hours to strengthen the management foundation (/person)	_	15 hours		
		talent development	Management training participation rate	48%	100%		
			Extension of retirement age	Age 60	Phased extension planned to start in the current mid-term period		
	Strategic	ent to Talent management i job	Expanded to all employees	In testing in limited fields	Applied to all employees		
of talent to align with jo	deployment		Reserve ratio of next-generation management personnel	_	250% or higher		
		Autonomous career	Information disclosure and exchange at Career Portal (number of registered employees)	150 employees	More than 300 people		
				development Assignment of employed	Assignment of employees in light of their preferences	In practice	Continued implementation
			Ratio of female directors	20.0%	25% or higher		
	Revitalization		Percentage of female employees promoted to managerial positions	15.9%	20% or higher		
	of individuals	for diverse ways of	Percentage of male employees who have taken childcare leave	109%	90% or higher		
			Group company programs applied to LGBT partners	_	Put into practice		
		work	Employment of people with disabilities and continuous support	In practice	Continued implementation		
			Work engagement score*2	_	50 or more		

\*1 Number of employees registered at Career Portal as of October 2023. Other figures not specifically stated are FY2024.3 results. \*2 Deviation in work engagement results for companies using the Advantage Toughness Survey

## Human Resources Development

### **Principle and Outline**

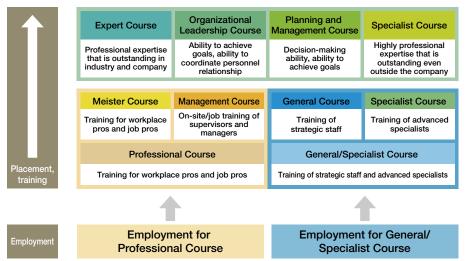
The Daigas Group aims to become a group of companies at which all employees can find personal growth through their work. We have introduced a career-course-specific human resources systems designed to respect and put to full use the individuality and autonomy of employees, and we have been conducting a wide range of training. Overseas business training is also provided to develop personnel who can play an active role globally. Furthermore, we have introduced an employee evaluation system that is highly objective based on the Management by Objectives (MBO) method, as well as a system that allows employees to take on the challenge of voluntary career development.

### **Personnel System**

### Personnel system to develop human resources according to their roles

For the steady growth and development of the company, Osaka Gas has introduced a careercourse-specific personnel system in which roles and expectations are clearly defined for all employees and employees are appropriately employed, fostered, evaluated and assigned according to each role. Under this personnel system, employees themselves conduct course registration.

### Outline of the Personnel System



### **Training System**

### **Career-course-specific training**

Social

To enable employees to play an active role in their respective courses, Osaka Gas systematizes training and conducts training sessions in a planned manner to have participants acquire abilities required for each career course.

#### **Meister Course**

This course is designed to foster business professionals who achieve high performance through their extensive business experience and outstanding skills and who contribute to business performance by passing on their skills and know-how. Employees systematically acquire required skills and know-how according to the nature of their work at the human resource development center established at each business unit.

#### Management Course

This course is designed to develop future managers and supervisors who will manage operations based on their wealth of work experience and leadership skills and to promote organizational vitality and the development of subordinates. Selective training sessions and other programs are provided to enhance management and leadership skills.

### **General Course**

This course is designed to develop human resources who will lead an organization based on a wide range of work experience, including management, while taking on staff duties, such as strategic planning for the business unit and the Daigas Group as a whole. We have an in-house business school for learning the knowledge and skills that form the basis of strategic planning, such as logical thinking, marketing, accounting and finance.

#### **Specialist Course**

This course is designed to foster specialists who will draft strategies for the business unit and the Daigas Group with a high level of expertise to help with decision-making and realization of such strategies. In addition to the in-house business school for the General Course, we provide in-house study sessions, etc. to learn advanced expertise in each business field.

### Training for all job levels

### Training for young employees

Osaka Gas positions the first three years after employees join the company as a period for nurturing young employees and encourages them to form their foundations as members of society.

After acquiring basic conduct and attitudes as a member of society through introductory training at the time of employment, each employee receives follow-up training every year to enhance the abilities required at each stage of growth. For the same period, an

instructor assigned to each newly hired employee provides guidance on work to promote further growth.



Training for young employees

### Training system for the Daigas Group

To enhance the Daigas Group's human resource development support measures, we offer systematized training programs that are highly requested by group companies. In addition to programs for all job levels, the system is designed to encourage self-directed career development and personal growth by providing self-development support programs.

### Outline of the Training System for Daigas Group

_	Newly appointed director training			
Executives	Management seminars Purpose: To improve managerial skills and build sympathetic qualities			
Managers	Enlightenment program for manager candidates Purpose: To raise self-awareness regarding the skills and qualities needed for organizational management and to foster the desire to develop one's own abilities Mid-level leadership program Purpose: To develop the core leaders of the organization	0	Challenge se	Accounting and financial affairs
	Training for managers	nline	seminars	and
Mid-level	Self-discovery training Purpose: To raise self-awareness regarding the skills and qualities needed for workplace management and to foster the desire to develop one's own abilities	Online study co	iars (self-c	financial
employees	Managerial skills booster program Purpose: To develop in managerial candidates an understanding of managerial skills and aid in their acquisition	courses	(self-directed	affairs s
Junior/	Mid-career training		training)	seminars
new	Newly appointed instructor training		ning	hars
employees	Newly hired employee training			

### Training to develop human resources leading overseas operation

In order to develop a large number of human resources who can play an active role in overseas business, Osaka Gas sends personnel appointed by each organization to carry out overseas business to a short-term intensive overseas business training curriculum conducted overseas or in an environment in Japan close to an overseas environment.

We also send employees to study at overseas universities in order to have them foster a sense of globalization and acquire management literacy, as well as support language learning to develop personnel who can play an active role in Japan and overseas.

#### [Specific curriculum examples]

Overseas Trainee System (a system under which employees are assigned to affiliated companies under the Energy Resources & International Business Unit or overseas research institutes as trainees for a certain period of time), short-term overseas language training, etc.

Social



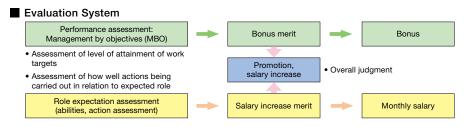
Our employee who experiences working overseas under the Trainee System (second from right)

### **Employee Performance Evaluation and Interviews**

#### Aiming for evaluations that lead to growth

Osaka Gas is using two evaluation indicators, performance evaluation, which measures the degree of performance based on the Management by Objectives (MBO) method, and role expectation evaluation, which evaluates the level of performance of daily activities. While enhancing opportunities for meetings between supervisors and subordinates, we clarify each employee's strengths and areas for improvement, and supervisors give appropriate advice, leading to each employee's skill development.

In performance evaluation, in which employees set their own goals, we encourage them to take on even more aggressive challenges by appropriately evaluating not only results but also processes in the course of work.



### Compliance set as a personnel evaluation item

Osaka Gas has set attitudes toward compliance effort as one of the evaluation items in the role expectation evaluation. This promotes compliance with laws and regulations and ethical standards.

## Creating a system that encourages employees to take on challenges on their own initiative

Osaka Gas provides an opportunity for all employees to have a self-observation interview once a year, in which each employee reflects on the satisfaction and performance of his or her current job, proactively draws up desired mid- to long-term career plans, and expresses his or her desired career path, etc. By taking into consideration the opinions and wishes of each employee obtained through these interviews, we are able to make decisions on assignments and other matters, thereby raising awareness of the need for employees to shape their careers on their own.

We have a Challenge System in place that allows employees to choose the work that they are interested in or want to do from among internally advertised jobs, encouraging employees to seek career development on their own accord. A total of more than 280 employees have been reassigned through this system since FY1989.3, when it was launched.

### Support for self-development

We offer Challenge Seminar Training Courses (approximately 100 courses per year) for all Daigas Group employees, allowing them to acquire advanced business skills at their discretion. In addition, to improve the skills of employees, we encourage them to take various correspondence training and education courses by subsidizing a portion of the fees for these courses.

### Supporting the improvement of field operations skills

In order to provide safe and reliable products and services to our customers, the Daigas Group provides technical training for employees in the management of LNG terminal facilities, gas supply pipe installation and safety inspections, and equipment installation and repair.

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## **DE&I** (Diversity, Equity, and Inclusion)

### Principle and Outline Daigas Group Diversity Promotion Policy

To sustainably enhance corporate value amid the acceleration of working population decline and industrial structure changes in Japan, the Daigas Group believes that it is essential to promote diversity, equity, and inclusion (DE&I), where companies and organizations consist of members with diverse attributes who demonstrate their full potential. The Group established the Daigas Group Diversity Promotion Policy in 2014 and has been advancing various initiatives to materialize the policy.

To leverage each individual in a diverse workforce, including women, people with disabilities, senior employees, and LGBTQ employees, we are working on the creation of a flexible and comfortable workplace environment, support for career development, and creation of a workplace culture that takes advantage of diversity.

### Supporting a More Active Role for Female Employees

Osaka Gas actively promotes initiatives that help female employees play a more active role. We believe that this is an important issue not only for us but in a wider society, and in promoting diversity, leads to the promotion of diverse ways of work and career support for employees with diverse backgrounds other than gender. Under the Daigas Group Diversity Promotion Policy, we have set numerical targets of increasing the percentage of women on the board and the percentage of women among career-track employees promoted to middle management positions\*1 to 30% or higher, respectively, and of maintaining the percentage of women among career-track hires at 30% or higher by FY2031.3. We are advancing initiatives to create a more comfortable and rewarding workplace by enhancing various systems to improve work-life balance and taking measures to encourage career development in an environment where few role models exist. As a result of these endeavors, the percentage of women in managerial positions increased steadily. External awards Osaka Gas has won include the "Eruboshi" (highest level) certification from the Minister of Health, Labour and Welfare as an excellent company in terms of the status of women's participation and advancement in accordance with the Act on the Promotion of Women's Participation and Advancement in the Workplace. Osaka Gas was also selected for the Nadeshiko Brand by the Tokyo Stock Exchange (TSE) and the Ministry of Economy, Trade and Industry as one of the TSE-listed companies which actively promote the utilization of female human resources.

Osaka Gas has also been selected as a constituent of the MSCI Japan Empowering Women Index (WIN), an ESG investment index for Japanese stocks adopted by the Government Pension Investment Fund (GPIF).

### Change in the percentage of women in managerial positions (Osaka Gas)\*

The target of 5% or higher for the percentage of women in managerial positions was attained by FY2021.3. \*Percentage of women in manager positions or higher (non-consolidated)

	FY2005.3	FY2016.3	FY2017.3	FY2018.3	FY2019.3	FY2020.3	FY2021.3
Percentage of female employees in manegerial positions	0.3	2.3	2.7	3.8	3.4	3.5	5.0

In FY2022.3, a new indicator was set to attain "30% or higher for the percentage of women among employees promoted to managerial positions by FY2031.3 (managerial positions changed to "managerial positions or equivalent," including Osaka Gas's loaned employees)."

	FY2022.3	FY2023.3	FY2024.3
Percentage of women among all employees promoted to managerial positions*1	6.3	14.3	15.9
Percentage of female employees in managerial positions*2	4.2	4.5	4.9

\*1 The percentage of women promoted to managerial positions among career-track employees promoted to managerial positions in that fiscal year (including loan employees)

\*2 For the percentage of female employees in managerial positions, the target was changed from female employees on a non-consolidated basis to all employees, including loan employees.



Nadeshiko Brand





Osaka Gas acquires Eruboshi certification (third stage, which is the highest)

Contents	Introduction	Management	Environmental	Social	Governance	🛄 ESG Data

### Main Actions Taken in FY2024.3

	Specific initiatives in FY2024.3				
Recruitment	Holding of diversity seminars to introduce female employees' career p	baths and workplace environments where they are playing an active role; Holding seminars for science-major female students			
Recruitment	Website	Posting of articles about career plans pursued by female workers, introduction of diversity initiatives			
	Transfer and appointment	Transfer and appointment based on individual development plans suited to each employee			
		Mentor system (mentoring program)*			
	Development of numan resources	Roundtable talks between female workers on careers (strengthen connections with internal role models)			
Development of		Interviews with young workers during their training period (young workers when they are employed/after assignment/after three years)			
human resources		Dispatch of employees to the Japan Institute for Women's Empowerment & Diversity Management, which is an organization that supports the empowerment of women; Women's Initiative for Leadership (WIL) organized by the Ministry of Economy, Trade and Industry; and other programs			
		Diversity lectures in training for newly appointed and existing managers/supervisors			
	Training for supervisor	Holding forums for employees raising children and their supervisors			
		Attendance of supervisors in various training programs for women			
		Holding child-rearing luncheon meetings (job networking event)			
	Childcare	Offering intranet networking opportunities for workers on leave and returners			
	(Male employees are also eligible.)	Holding roundtable talks for people taking childcare leave			
Work environment		Holding seminars and roundtable talks on balancing work and childcare for men			
		Holding of a Diversity Promotion Forum (lecture by knowledgeable person and workshop)			
	Corporate culture	Provision of information through continued distribution of e-mail news and in-house web magazines			
		Continued implementation of measures to promote efficient working			

\* Mentor system (mentoring program): A program that provides female employees before and after life events and before management with the opportunity to receive direct guidance from experienced mentors to foster networking and career awareness.

### Holding of Diversity Training for Newly Appointed Managers/Supervisors

Osaka Gas conducts diversity training as part of training for newly appointed managers/supervisors.

### Number of Participants in Training for Newly Appointed Managers/Supervisors

	FY2020.3	FY2021.3	FY2022.3	FY2023.3	FY2024.3
Group	156	176	163	149	153
Osaka Gas	77	46	36	10	9

### Number of Participants in Mentoring Program

	FY2020.3	FY2021.3	FY2022.3	FY2023.3	FY2024.3
Osaka Gas	12	17	19	16	21

\*Osaka Gas and consolidated companies

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As an LGBTQ-friendly company, Osaka Gas has created a positive workplace environment and promoted understanding among employees so that employees can be themselves and play a vibrant and active role regardless of gender identity or sexual orientation. From an early stage, we installed consultation desks, held lectures by experts and movie viewings, created manuals for allies\*, distributed stickers, and took other measures. As a result, our efforts have been recognized by external entities. In FY2019.3, Osaka Gas became the first gas provider to receive gold in the PRIDE Index introduced by work with Pride. We continued to promote understanding after receiving the award, and rules have been amended to make de facto marriage and same sex partners eligible for internal systems in the same way as spouses from

FY2025.3. This is intended to accept diverse family structures regardless of gender so that employees can continue working without undue worries. \*Allies are people who understand and support LGBTQs and other sexual minorities. Osaka Gas's character "Enemaru" supporting LGBTQs



2.71%

Osaka Gas mascot "Enemaru" supporting LGBTQ

2.59%

### Creating a Work Environment for the Disabled

2.34%

#### Hiring the disabled

2.40%

Osaka Gas does all it can to hire disabled persons and creates a work environment conducive to the talents of each individual. As a result of these efforts, disabled persons accounted for 2.71% of our workforce as of June 2024, well above the legal minimum of 2.5%. Of the 39 Group companies subjected to the law, 18 companies including Osaka Gas have the legal minimum numbers of employees with disabilities.

2.45%

Percentage Rat	Gas (	as of June each year)	
2020	2021	2023	2024

### Supporting Seniors to Play an Active Role

Osaka Gas supports employees' career development and growth regardless of age, with the mandatory retirement age being set to be raised from age 60 and seniors being expected to play an active role.

### Creating a work environment for seniors

Social

Osaka Gas has implemented a reemployment scheme to rehire employees who have reached mandatory retirement age, under which applicants are placed in jobs that match their skills and preferences. All Daigas Group companies have similar reemployment programs.

### Career development support

In order to meet the diversifying needs of career development, at Osaka Gas, the Career Development Project Team conducts career guidance (training) and career development interviews for employees at the ages of 30, 40, and 50.

This training offers the employees briefings on circumstances inside and outside the company as well as various support systems, and through closer examinations of their work histories and group discussions, the employees are encouraged to seek out career paths that are consistent with their values and motivation and to develop their own career plans. After the training, each employee will fill out a career design sheet and then attend a one-on-one interview with an in-house career counselor to discuss their career aspirations and growth plans. About 252 employees received career development interviews in FY2024.3.

When employees reach the age of 54, they are invited to attend a "Nice Life Seminar" with their spouse. They are briefed about various systems that may affect their post-retirement life plans.

## Work-Life Balance

### **Principle and Outline**

Osaka Gas aims to create a corporate culture in which employees can maximize their abilities by striking a balance between rewarding work and fulfilling personal lives and involvement with society. Furthermore, labor and management are working together to realize a work-life balance by systemizing support measures needed by employees at each life stage and creating a workplace environment that facilitates the use of such measures.

By researching strategies to encourage an innovative and productive work style inside the cross-company Efficient Work Styles Committee and the DX Committee, the Company is aiming to change the way people work.

We are working on work-style reform while considering measures to promote highly productive and creative work styles through corporate committees including the DX Committee.

### Support for Male Employees to Participate in Childcare

Osaka Gas encourages male employees to take one month of childcare leave. In addition to solving social issues such as the declining birthrate and creating a society in which both men and women can play an active role, taking childcare leave is expected to improve the work-life balance of employees raising children, thereby increasing their job satisfaction and productivity, and creating innovation from a new perspective through the experience of childcare, which is different from their work duties. Based on this concept, in addition to childcare leave, we have introduced a system that allows employees to flexibly take leave and according to their work and family needs, including "Hagukumi Leave"\*, and the utilization rate of such leave system was 109% in FY2024.3. In addition, we are striving to create an environment that facilitates the use of the system by sending out messages from management, preparing guidebooks, and sharing examples of cases where employees have used the system.

\*Hagukumi leave: A unique paid leave for childcare purposes that can be taken for five days within six months of the birth of a child.

### Support for Balancing Work and Nursing Care by Improving the Systems and the Workplace Environment

Osaka Gas offers various systems to support a balance between work and nursing care. For employees who need to take leave to care for family members, we have established systems that allow employees to take more leave than legally required, including a nursing care leave system that allows employees to take a total of 366 days of leave per family member who needs care and a system of shorter working hours for nursing care that allows employees to work up to 3 hours less per day for a total of 1,096 days in addition to the leave period.

### Helping Employees Balance Work and Medical Treatment

In April 2021, Osaka Gas introduced a system of shorter working hours to support employees in balancing work and medical treatment, mainly for employees requiring cancer and dialysis treatment. Normally, employees use paid leave, half-day paid leave, flextime, etc. when going to the hospital for treatment of illnesses, etc. However, in some cases where long-term continuous treatment is required, paid leave, etc. may not be sufficient. In response to such a situation, we introduced a system of shorter working hours for the purpose of outpatient treatment that allows employees to apply to shorten their working day.

### Efforts to Improve Productivity and Reduce Working Hours

Osaka Gas promotes efficient work styles to improve productivity with the objectives of increasing employee value by realizing work-life balance, creating a culture to promote diversity, and preventing health problems caused by overwork. Aiming to reduce total annual working hours, we have been implementing various initiatives one by one.

As part of our efforts to promote telecommuting, which leads to flexible work styles, we have established satellite offices where employees can work in an office other than their own regular office to improve productivity by reducing commuting and travel time and concentrating work in a remote office. Furthermore, we offer our employees diverse and flexible work options that are not limited to working in our offices by all employees eligible for telecommuting and introducing a web conferencing system that allows employees to participate using smartphones and other devices. In addition, we have formulated the Code of

Social



Satellite office set up in Grand Front Osaka, located near Osaka Station

Conduct for Efficient Work Styles, a set of specific action standards that supervisors, subordinates, and related personnel should be aware of and implement from the perspective of increasing work efficiency and saving labor and of promoting further productivity improvement by practicing actions in line with the standards.

#### Main initiatives

Promotion of flexible work styles	<ul> <li>Expansion of telecommuting (give flexibility in where to work by allowing employees to work from home or satellite offices)</li> <li>Introduction of hourly paid leave system</li> </ul>			
Promotion of operational process innovation by promoting DX	<ul> <li>Company-wide rollout of groupware</li> <li>Streamlining of operations using IT (e.g., information sharing via internal portal site, work support via smartphone, and automation of operations using RPA)</li> </ul>			
Promotion of initiatives to prevent long working hours and overwork	<ul> <li>Visualization of data, such as actual overtime work hours, and implementation of monthly follow-up</li> <li>Setting and promotion of weekly "no overtime days"</li> </ul>			

# Supporting Employees' Participation in Society through a Juror Leave System, etc.

Prior to the implementation of the juror system in Japan in May 2009, Osaka Gas established a juror leave system that allows employees to take paid leave for the required number of days when they are selected as a juror or prosecution councilor in FY2009.3 to support employees' participation in society.

### Volunteer Leave System/Community Leave System

Osaka Gas has introduced various systems for employees to participate in company-approved volunteer and social contribution activities. Under the volunteer leave system, each employee is treated as being on leave during the period of an activity and is provided with special treatment regarding their work period and salary. The community leave system is a system to support employees' involvement in the community, under which they can take special leave.

## **Occupational Health and Safety**

### **Principle and Outline**

Convinced that ensuring employees' safety and maintaining/improving their physical and mental well-being are keys to all its operations, the Daigas Group has been undertaking efforts to prevent employees from developing health problems and support their medical treatment. Positioning health promotion as a priority management policy, we established the Osaka Gas Health Development Center in 1975. Since then, we have been implementing various measures to promote the health of employees, including providing regular health checkups and individual health guidance by medical professionals to all employees, including those of Group companies.

Today, in the era of the 100-year life, being healthy throughout a lifetime is of great importance not only to employees but also to society. Based on this idea, in March 2021 we established the "Daigas Group Declaration of Health and Productivity Management" by summarizing our attitude toward Kenko Keiei\* (health and productivity management), which was indicated in the Daigas Group Corporate Principles, Daigas Group Charter of Business

Conduct, and Daigas Group Code of Business Conduct. We also established the Daigas Group Action Guidelines "7 Rules for Being Healthy" to encourage employees to live healthy life styles.

\*The term "Kenko Keiei®" is a registered trademark of Non-profit Organization Kenkokeiei.



### **Daigas Group Declaration of Health and Productivity Management**

The Daigas Group believes that we can create value that meets the expectations of customers, society, shareholders and employees by ensuring that our employees stay healthy both mentally and physically, and fully exercise their abilities, individuality and initiative, thereby remaining motivated and satisfied with their jobs.

The Daigas group will work as one to maintain and improve the health of employees and create a vibrant workplace filled with people who are mentally and physically energetic, with the aim of becoming a corporate group that powers continuous advancement in customer and business life.

> March 10, 2021 President, Osaka Gas Co., Ltd.

### Safety and Health Management Promotion System

Social

In accordance with the Daigas Group Code of Business Conduct, Osaka Gas not only complies with relevant laws and ordinances but also has established its original rules, including the Daigas Group Safety & Health Promotion Regulations and the Osaka Gas Safety & Health Management Regulations. The regulations stipulate that by managing occupational safety and health based on the Industrial Safety and Health Act, the Labor Standards Act, and other safety and health laws, we prevent occupational accidents and maintain and enhance the health of our employees, temporary employees, employees of partners, and others, as well as promote the creation of a comfortable workplace environment. In addition, we have established the Safety & Health Management Regulations and other regulations that cover the safety and health management structure, safety and health education, and the planning and promotion of safety and health measures, as well as work manuals to implement smooth safety and health management. In this way, we work with our Group companies, as well as partners and other partner companies, to improve the levels of workers' safety and health.

The Daigas Group Safety and Health Council, chaired by an officer in charge of the Human Resources Department at Osaka Gas (Director and Senior Executive Officer), deliberates the Daigas Group's safety and health basic policy and submits deliberation proposals to the Management Meeting. After deliberation by the Management Meeting, the decision is made by the Representative Director and President of Osaka Gas.

The Daigas Group Safety and Health Council also discusses measures for and shares information about occupational accident prevention and health maintenance and enhancement of employees.

### Daigas Group Safety and Health Promotion System



### Promoting safety and health management activities based on OSHMS

Osaka Gas has been systematically and meticulously undertaking activities aimed at preventing workplace accidents, based on the Guidelines for the Occupational Safety and Health Management System (OSHMS Guidelines)\* established by the Ministry of Health, Labour and Welfare. Based on the Osaka Gas Health and Safety Action Plan, each organization of Osaka Gas is working on reducing the number of incidents leading to absence from work due to workplace accidents to zero. The Plan, consisting of three priority themes—prevention of transportation-related accidents, prevention of general work accidents, and prevention of accidents through collaboration with business partners—is designed to enhance the level of workplace safety by implementing improvement measures under the PDCA (plando-check-action) cycle.

Each Daigas Group company is working on establishing the PDCA cycle to improve safety and health-enhancement activities in accordance with each company's safety and health situation while maintaining the current safety and sanitary management system and in line with the Daigas Group's Basic Safety and Health Improvement Plan.

\*The Ministry of Health, Labour and Welfare's guidelines conform to the OSHMS guidelines established by the International Labour Organization (ILO) (ILO-2001).

### Goals for FY2024.3

Items		Goals for FY2024.3
Accident causing absen (Osaka Gas, other party		0
Accident causing no	Osaka Gas	Negligence 0
absence	Other party	0

#### Occurrence of Injury in the Workplace

Items		FY2024.3 Results
Number of fatal	Employees	0
accidents	Partners	0

### Efforts of the health and safety committee to improve health and safety

The Health and Safety Committee holds a meeting once a month at the head office and each district office (workplace), attended by representatives of the company and labor union, industrial physicians. The Health and Safety Committee investigates and deliberates on measures that should serve as the basis for preventing employee hazards and health problems (measures to eliminate the causes of occupational accidents and prevent their reoccurrence, etc.), thereby striving to ensure that the opinions of employees are well reflected when implementing measures and policies related to employee health and safety.

### "Accident Indices" for Evaluating Safety Activities

If an industrial accident occurs at Osaka Gas, the Company division concerned investigates and identifies the cause and takes measures to prevent a reoccurrence. The case is shared company-wide through a portal or other means, to ensure that similar accidents will not occur.

To assess safety activities at each workplace, we also use the "Accident Indices," which uses a unique formula to calculate the degree of the accident in terms of seriousness and impact. The "Accident Indices" was created to establish a common, company-wide standard for labor accidents in all business segments, from gas processing and supply to sales.

Also, we honor organizations that meet their prescribed accident index targets to recognize their efforts as well as to raise awareness.

### Daigas Group's Safety Education Efforts "Safe Driving Education"

The Daigas Group and its partners use a large fleet of vehicles in their work. We implement unique measures to ensure that all our vehicle operators master reliable driving skills and improve their driving manners so that everyone in the community can trust the Daigas Group's commitment to safe driving.

Social

The Safe Driving Training Center run by Osaka Gas offers safe driving education with a focus on practical training, and we are seeking to extend safe driving practices throughout the



Class at an on-site driver training center

Daigas Group to improve safety across the Group as a whole. In FY2024.3, a total of 3,643 employees from 42 companies, including Osaka Gas, took part in this safe driving program. The intranet and email are used to share and disseminate information across the Group as a whole to reduce accidents.

#### Education for foremen and health and safety managers

In accordance with Article 60 of the Industrial Safety and Health Act, we conduct safety and health education for those who are newly charged as foremen (first line supervisors) or others to directly guide or supervise workers in operations, by inviting a lecturer from the Japan Industrial Safety & Health Association. The Daigas Group holds training sessions five times a year for newly appointed managers who need foreman education. Approximately 160 people take the training.



Class at an on-site safety and health education

ESG Data

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Competency improvement education for foremen and health and safety managers

According to the Guidelines for Promotion of Safety and Health Education issued by the Ministry of Health, Labour and Welfare, employers are required to provide education according to the competency improvement education for foremen and other workers approximately every five years, or when there is a major change in machinery and equipment.

Based on this, the Daigas Group has been providing the competency improvement education twice a year since FY2024.3 for those who have completed the education for foremen or the education for health and safety managers and are still leading their subordinates as foremen, with approximately 50 employees having taken the education.

### Joint Safety Activities with Partners

Osaka Gas works closely with affiliates and others at the sites of gas business activities. In particular, we strive to boost the level of safety by working closely with our partners through the Health and Safety Promotion Council to exchange safety-related information and hold a range of training and safety activities.

The Council has 74 member companies, primarily in the manufacturing sector. In accordance with the policy for ensuring the safety of workers including those from partners set forth in the Daigas Group Safety & Health Promotion Regulations, it promotes voluntary safety and health activities, with the goal of zero lost-time injury. Its main activities include the formulation and notification of safety management guidelines, as well as prior screening of partners based on their safety performance and risks.

In addition, the Council has designated a disaster prevention month in both the first half and second half of the year, during which we conduct safety patrols jointly with them. It also issues a Safety & Health Monthly Report that provides useful information on company efforts in preventing workplace accidents and promoting employee health.

At piping works, we work with partner companies in organizing exercise sessions to enhance physical performance and prevent accidents involving older workers falling from, or tipping over, stepladders.

### Prevention of General Work Accidents

Social

### Heat stroke prevention measures

Osaka Gas has introduced work clothes with built-in fans as part of measures to improve the working environment and prevent heat stroke in the summer with extreme heat (except for workers handling raw gas because fans are not explosion proof). In FY2019.3 we started considering the introduction of fan-equipped work clothes and conducted research using monitors to assess the required quantity and needs. The fan-equipped work clothes are made

using a fabric suitable for fitting fans while following the design of the current ones. Also, the fan-equipped work clothes allow the use of a full harness safety belt, which has been mandatory from January 2022 due to a revision of the Industrial Safety and Health Act.



Fan-equipped work clothes

#### Prevention of fall accidents

Fall accidents occur frequently nationwide, accounting for one-quarter of industrial accidents.

Osaka Gas strives to prevent fall accidents by introducing health-enhancement physical training to workplaces and giving laptop tote bags to employees.

Older workers have come to constitute a larger portion of the entire working population at the Daigas Group, resulting in an increase in the number of accidents involving workers on duty, including stumbling. In FY2018.3, we introduced health-enhancement physical training company-wide. We have changed the conventional exercise program centered on stretching to health-enhancement physical training that strengthens muscles and the body trunk, including squats and standing on one leg.

In 2019, an employee slipped down the stairs with a laptop in his hands. A similar accident occurred in FY2018.3, too. To address this matter, we have been promoting company-wide measures to prevent similar accidents.

To avoid a similar accident, you should not walk around the office (especially up and down the stairs) while holding an open laptop in your hands. So, we encourage employees to carry laptops and documents in bags to keep both hands open while walking.

Moreover, to promote the habit above, we have provided laptop-carrying bags to organizations upon request.

We have also created a poster encouraging employees to keep both hands open while walking and sent it to each and every organization.



Scene of squat exercises, part of Introduction a health-enhancement physical of laptop tote training program being conducted bags before the start of the day

Enlightenment poster



Safety patrol with partner companies

Safety & Health Monthly Report



Regular health checkups and health guidance

Osaka Gas holds regular health checkups as required by law, and all employees expected to take them had planned checkups at the Daigas Group Health Development Center within the Human Resources Department.

In FY2024.3, 13,767 employees of 34 companies (the total number from Osaka Gas and its affiliates) received health checkups at the Center.



Health checkup at the Daigas Group Health Development Center

	Daigas Group Health Development Center	In general	
Health checkups	Half a day	About half a day	
Explanation of health checkup results	On the day	Later date	
Judgement of work classification	On the day	Later date	
Health promotion class	On the day Advice on health promotion Special health guidance (in the first session)	Later date	
Interviews with people experiencing a high level of stress	On the day To be conducted after evaluating the stress level through a prior medical questionnaire (Stress checks specified by law are conducted separately.)	No	
Reservation for thorough examination	On the day Medical staff make reservations on the spot (legally mandated item).	To be made by oneself	

### Prevention and control related to global health issues

The Daigas Group has set forth "Providing safe and secure workplace" and "Ensuring safety of products and services" in the Daigas Group Code of Business Conduct, and it has established a system to provide health care against infectious diseases beyond the legal requirements.

In accordance with legal requirements, we provide employees with an opportunity for regular health checkups (once a year), including chest x-ray examinations for early detection of pneumonia, pulmonary tuberculosis, lung cancer, and other diseases.

Furthermore, based on advice and warnings on COVID-19 and other risks issued by the Ministry of Foreign Affairs and the World Health Organization (WHO), the Group takes measures such as alerting employees and setting up a task force.

### Efforts related to the Action Guidelines "7 Rules for Being Healthy"

Social

### Promotion of measures to prevent lifestyle-related diseases

We will increase the number of employees working to improve their lifestyle habits by carrying out specific activities in line with the Action Guidelines "7 Rules for Being Healthy." "7 Rules for Being Healthy (Healthy 7)."

In FY2024.3, we held the Healthy 7 Olympics (no smoking category), which has taken place since 2021, and seminars and events on sleep and breakfast, which are included in the monitoring indicators of Healthy 7. These encouraged employees to actively engage in Healthy 7 activities. In addition, a walking event was held jointly with the Health Insurance Association. Approximately 5,000 employees from the Group participated in the event.

### Healthy 7 Lifestyle Habit Monitoring Indicator: Total of Osaka Gas, Osaka Gas Network, and Three Core Energy Business Companies

Unit: %	Obesity rate (men)	Breakfast skipping	Exercise at least twice a week	Drinking 360 ml or more	Smoking rate (men)	Smoking rate (women)	Rest from sleep
FY2024.3	33.1	22.3	27.4	26.8	24.1	2.0	68.2
FY2023.3	33.5	22.5	26.6	23.6	23.9	2.2	69.2
FY2022.3	34.2	21.5	25.7	19.8	24.7	2.1	70.7
National data*	33.0	3.1 (Reference)	28.7	27.9	27.1	7.6	78.3

The figures shown for indicators other than obesity rate and smoking rate are the total of men and women.
Breakfast skipping: Percentage of respondents who answered they skip breakfast three or more times a week (Nationwide: Percentage of respondents who answered they do not eat breakfast [reference])
Exercise at least twice a week: Percentage of respondents who answered they exercise at least 30 minutes a day at least two days a week

• Drinking 360 ml or more: Percentage of respondents who answered that the amount of alcohol consumed on a drinking day is 360 ml or more

• Rest from sleep: Percentage of respondents who answered they get enough or moderate rest from sleep

\* From the National Health and Nutrition Survey (Ministry of Health, Labour and Welfare, 2019 [data on sleep from the 2018 Survey])

### Promotion of Measures to Enhance Mental Health

The Daigas Group implements various measures to enhance mental health in order to promote early detection and prevention of mental disorders.

- We conduct a group analysis of stress checks and provide feedback to the general affairs department of the organization to promote improvement of the working environment in the organization. Depending on the issues, the medical staff will conduct detailed group analysis of stress checks and provide feedback to the head of the organization and exchange views on how to create a better workplace. In this way, the general affairs department of each organization and the Health Development Center are working together to improve the working environment.
- For mental health measures for younger employees, we conduct a health questionnaire for new employees. For employees in their second year of work, we conduct a stress

questionnaire and individual interviews at the time of a health checkup. Based on the results, we take appropriate measures in cooperation with their supervisors.

 For managers/supervisors, we provide mental health training centered on case studies.

Interview with employees in their second year of work and su

Mental health training for managers and supervisors

### Helping employees manage and maintain their health

Medical staff hired by the Daigas Group visit its business offices to provide health education to employees. This measure is designed to create a working environment that ensures workers' health and comfort, and encourages them to work on enhancing their health on their own.

We are providing employees with health management information via the Health Development Center website.

regarding stress

To address lack of exercise among young employees and prevent senior employees from tipping over, we also provide physical fitness tests that allow employees to check their physical strength and prompt them to exercise.

### Trainings by Occupational Safety and Health Staff (FY2024.3)

No. of such events held	No. of participants	Description
16	1,714	Mental health, self-care, etc.



Easy and quick exercise

### Promoting the Creation of a Healthy Workplace

We comply with the Labor Standards Act, the Industrial Safety and Health Act, and other laws and work on the creation of a comfortable work environment, so that employees can work safely and in good health. If there is a violation, improvements will be made promptly.

### Serious violations of the Labor Standards Act

There were no such violations in FY2024.3.

Social

### Osaka Gas was Selected as a Health & Productivity Stock Selection Brand for Two Consecutive Years

In March 2024, Osaka Gas was selected for two consecutive years as one of the brands in the 2024 Health & Productivity Stock Selection Brand program, jointly administered by the Ministry of Economy, Trade and Industry and the Tokyo Stock Exchange.

The Health & Productivity Stock Selection is a program to promote enterprises' initiatives for Kenko Keiei,\* or health and productivity management, by selecting outstanding listed enterprises engaging in a health and productivity management program, in which enterprises focus on and strategically carry out efforts with regard to their employees' and other workers' health from a management perspective, and introducing them as attractive enterprises to investors who are focused on improving corporate value from a long-term perspective.

2024 健康経営銘柄

As well as the Daigas Group Declaration of Health and

Productivity Management, we established the Daigas Group Action Guidelines "7 Rules for Being Healthy" to encourage employees to have healthy lifestyles, aiming to improve their lifestyles through health promotion activities based on the rules. In recognition of these initiatives, we have been selected two years in a row.

\*The term "Kenko Keiei®" is a registered trademark of Non-profit Organization Kenkokeiei.

## **Communication Between Employees and Company**

### **Policy and Principle**

The Daigas Group believes that it is important for employees and the company to work together to realize the healthy growth of each group company with a sense of mutual trust and tension. To this end, we promote communication between employees and the company by opinion exchanges at informal meetings between the labor union and management and various study committee meetings, as well as workplace visits by the President of Osaka Gas to group companies and its organizations.

### Labor-Management Relations

### Cooperation between labor and management to resolve issues

Osaka Gas has adopted a union shop system, in which all employees, except those in management positions, are members of a labor union, pursuing sound and good labormanagement relations. The Osaka Gas Workers Union consists of approximately 4,000 members, including those temporarily transferred to affiliated companies, etc. The workers union and management exchange opinions at informal meetings and various study committees on overall corporate activities, including actions regarding various management issues, as well as changes in working conditions. We strive to build, maintain and strengthen sound and good labor-management relations based on mutual understanding and trust.

### **Company Award System**

Social

### President's Award to boost employee morale

Osaka Gas presents the President's Award every year to honor employees who have made significant contributions to the company's activities to boost employee morale. Awards are presented to regular and contract employees at Osaka Gas and employees of affiliated companies for their outstanding achievements in business operations and contributions to the environment, the community, and other aspects of society, passing on skills, the safety field, etc.

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# Human Rights

## Summary



The Daigas Group respects human rights as basic rights inherent to all. The Group supports the international standards on human rights and promotes activities and programs to protect the human rights of its stakeholders. We comply with the applicable laws and regulations of the countries and regions where we operate. In the Medium-Term Management Plan 2026, we have positioned maintaining and improving the soundness and flexibility of management foundation as one of our material issues and set respect for human rights as an indicator to accelerate initiatives.

Theme	Items to be addressed	Specific initiatives
Respect for human rights throughout the value chain $\rightarrow$ P.090 Human rights due diligence $\rightarrow$ P.091 Human rights awareness promotion $\rightarrow$ P.094	<ul> <li>Management regarding respect for human rights</li> <li>Human rights due diligence</li> <li>Encouragement of suppliers</li> <li>Promoting human rights awareness activities for Daigas Group officers and employees</li> </ul>	Policy and promotion system         Based on the Daigas Group Human Rights Policy, we support international human rights-related norms and comply with laws and regulations of the countries and regions where we operate, promoting activities and programs to protect the human rights of its stakeholders.         Initiatives undertaken in FY2024.3         • Implemented human rights due diligence         • Informed our suppliers of our procurement policy and conducted a sustainability questionnaire         • Provided human rights awareness training to Daigas Group officers and employees

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## Respect for Human Rights throughout the Value Chain

### **Policy and Principle**

The Daigas Group supports and respects international standards for human rights, including the International Bill of Human Rights (Universal Declaration of Human Rights and the International Covenants on Human Rights) and the International Labour Organization's Declaration on Fundamental Principles and Rights at Work. We also promote human rights initiatives in accordance with the UN Guiding Principles on Business and Human Rights, the UN Children's Rights and Business Principles, and other relevant principles.

### Establishment of policies and regulations

The Daigas Group has stated that human rights are to be respected in the Daigas Group Charter of Business Conduct, which expresses the Daigas Group's corporate stance, and the Daigas Group Code of Business Conduct, which serves as a code of conduct for officers and employees, and it established the Daigas Group Human Rights Policy in April 2021. In addition to the Daigas Group Procurement Policy, which is aimed at respecting human rights throughout the supply chain, we have also established various regulations related to occupational health and safety, etc.

We identify and assess the negative impact of our business activities on human rights and take steps to prevent or mitigate such risks under the Daigas Group Human Rights Policy. The Daigas Group Code of Business Conduct, which incorporates the 10 principles of the UN Global Compact, contains "respecting human rights" and "providing safe and secure workplace" as the first and second items respectively. The Code eliminates discrimination and bans harassment against all stakeholders in all countries and regions.

We will also demand that our suppliers and other parties concerned respect human rights and not infringe on them.

### Daigas Group Human Rights Policy

### Daigas Group Human Rights Policy

The Daigas Group established the Daigas Group Human Rights Policy in April 2021. This Policy is based on the Daigas Group Corporate Principles and the Daigas Group Charter of Business Conduct and has been approved by the Board of Directors of Osaka Gas.

### Consideration for occupational safety and health

The Daigas Group not only complies with all applicable laws and regulations related to safety and health but also has established its original rules, including the Daigas Group Safety & Health Promotion Regulations. The Group has also established the Daigas Group Safety and Health Council to discuss and share information on measures to prevent occupational accidents and promote health maintenance, thereby working to improve the levels of workers' safety and health throughout the Group.

In March 2021, we issued the Daigas Group Declaration of Health and Productivity Management to summarize our stance toward health and productivity management, based on the idea that ensuring safety and maintaining and improving physical and mental well-being are key to all operations.

Based on the Declaration of Health and Productivity Management, we also established the Daigas Group Action Guidelines "7 Rules for Being Healthy" to encourage employees to live healthy lifestyles, and we provide guidance to organizations and individuals at the Health Development Center, as well as lifestyle advice to employees at health checkups.

### Encouraging suppliers to comply with laws and regulations regarding human rights

To ensure respect for human rights throughout the supply chain, the Daigas Group strives to encourage its suppliers to understand the concept of human rights and follow international human rights standards through the Daigas Group Procurement Policy and the Daigas Group Procurement Policy for Suppliers.

In our sustainability questionnaire for suppliers, we set up a section on human rights to ascertain the actual status of forced labor and child labor, confirm that there are no problems, and provide an opportunity to mutually confirm the importance of our efforts to respect human rights.

#### **Major requests**

#### **Respect for Human Rights**

Social

Respect the human rights of all those involved in corporate activities according to international human rights standards, and prevent direct or indirect infringement of human rights, including discrimination, harassment, and other inhumane treatment, due to corporate activities throughout the supply chain.

#### Fair Working Conditions

Comply with international labor standards and related laws and ordinances to appropriately pay employees, manage their working hours, and give them days off; to prevent any kind of discrimination at the workplace, forced labor, or child labor; and to respect the rights of workers (including technical intern trainees, other workers from abroad and immigrant workers), such as the freedom of association and the right of collective bargaining.

#### Contribution to Environmental Conservation

Reduce the environmental burden of business operation and products and services. [Examples: Reduce greenhouse gas emissions by saving energy and using low-carbon and/or decarbonized energy; promote green purchasing; use resources (water resources, raw materials, etc.) in a sustainable way; promote resource recycling; prevent air, water and soil pollution; and conserve biodiversity]

#### Ethical Corporate Management

Respect free and fair competition and prevent misconduct.

Protect intellectual property rights; disclose information appropriately; maintain confidentiality; safeguard privacy, including that of personal information; procure minerals responsibly; conduct responsible marketing activities; and never have any relationships with antisocial groups.

## Human Rights Due Diligence

### **Principle and Outline**

In accordance with the United Nations Guiding Principles on Business and Human Rights, the Daigas Group is committed to establishing systems in order to respect the human rights of all people affected by the Group's business activities, and proactively disclose its initiatives in this area. Based on the Daigas Group Human Rights Policy, the Group conducts human rights due diligence as part of its efforts to respect human rights and realize business sustainability.

### System for Promotion of Human Rights Due Diligence

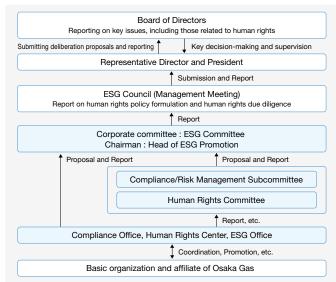
Human rights due diligence is jointly promoted by the Human Rights Center in the Human Resources Department; Compliance Office and the Internal Control Planning Team in the General Affairs Department; and the ESG Office in the Corporate Strategy Department.

The Board of Directors, which makes decisions and supervises other important business activities across the Daigas Group, is responsible for supervising activities aimed at tackling human rights issues and other related issues.

At the ESG Council (Management Meeting), which meets three times a year, officers deliberate on action plans and reports concerning ESG issues, including human rights issues, and report to the Representative Director and President.

The Group also has the ESG Committee, chaired by the Head of ESG Promotion (Representative Director and Executive Vice President), who supervises the Group's sustainability activities, and consisting of the heads of related organizations and other members. In principle, the ESG Committee meets three times a year for cross-organizational deliberation, coordination, and supervision of the formulation, promotion, etc. of plans for human rights due diligence activities.

### System for Carrying Out Human Rights Due Diligence



### Human Rights Due Diligence Cycle

Social

We have built a cycle in which human rights risks that may arise from our business activities are investigated and identified, the identified human rights risks are addressed through corrective and remedial measures, education and awareness-raising activities, etc., and the effectiveness of these measures are evaluated and linked to improved initiatives.

### Human Rights Due Diligence Cycle



### **Results of Initiatives in FY2024.3**

### Identification of key human rights risks (process)

By reference to the dual axes of the seriousness of each potential human rights infringement and the likelihood of it occurring, we identify key human rights risks that the Daigas Group needs to consider in the course of its business activities and establish a priority order for addressing them.

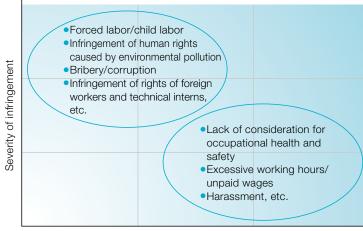
In FY2024.3, we continued to conduct checks through the "G-RIMS," a self-inspection tool, a compliance survey of employees to see how well they understood compliance, and questionnaire surveys targeting major business partners of the Daigas Group. In addition, upon receiving opinions from external experts in the previous fiscal year that highly serious human rights issues may occur overseas, we have worked to identify and address human rights risks at our overseas subsidiaries. We undertook efforts to gradually expand the scope of our investigation, including starting to conduct questionnaire surveys targeting major suppliers and conducting on-site audits by adding the confirmation of human rights risks to the existing quality audit framework.

The investigation results showed no serious risks related to human rights.

### Identification Process

- 1. Confirm the likelihood of occurrence and seriousness of human rights infringements based on the results of the human rights risk investigation and human rights consultations.
- 2. Conduct a discussion among internal stakeholders and evaluate each item of human rights risks using the matrix shown in the figure below.
- 3. Consult with experts to identify the Group's significant human rights risks.

Matrix Assessment of Human Rights Risks



### Identify important human rights themes (assessment)

Social

Based on the FY2024.3 investigation results and cases handled by consultation desks, as well as discussions with experts, we identified important human rights themes that the Daigas Group should consider in the course of its business activities. As a result, no significant changes from FY2023.3 were identified.

Among the human rights risks that may occur in the course of the Group's business activities, 14 items were identified as significant human rights risks. Such risks include forced labor, child labor, and bribery/corruption in the international business, and infringement of the rights of foreign workers or technical interns in the domestic business, in addition to lack of consideration for occupational health and safety, infringement of human rights caused by excessive working hours or unpaid wages, and harassment. We take various measures to prevent and mitigate these risks, under relevant policies and other systems.

In addition, during discussions with experts, recommendations were made regarding the importance of assessing human rights risks by business in the value chain, and continuing to conduct surveys, investigation, and audits in areas identified as those with priority human rights risks. We will continue to consider and respond to such issues.

We also assess human rights risks in new businesses. For example, we investigate the status of legal compliance concerning labor standards and health and safety as part of due diligence for M&A deals. We thus confirm that serious human rights risks do not exist in companies joining the Group.

Relevant policy
p Human Rights Policy
p Human Rights Policy
I health and safety
I health and safety
p Diversity Promotion Policy
p Human Rights Policy
p Code of Business Conduct
p Human Rights Policy
protect personal information
p Code of Business Conduct
p Environmental Policy
p Code of Business Conduct
p Code of Business Conduct
p Procurement Policy

#### Identified Human Rights Themes and Classification of Entities of Rights

\*1 Overseas subsidiaries, \*2 Domestic subsidiaries

#### Likelihood of occurrence

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### **Consultation Desks for Human Rights**

The Daigas Group accepts consultation regarding human rights from not only employees but also customers, the local community, suppliers, and all other stakeholders.

Information on consultation desks is provided to employees through channels such as the intranet and posters and to external stakeholders via our website.

### Consultation Desks

Employees	<ul> <li>Human rights promoters are assigned to each organization, including key affiliated companies, as an initial point of contact.</li> <li>The Human Rights Center provides consultation services (for officers, employees, and temporary employees of all Group companies).</li> <li>The Compliance Desks accept requests for consultation and reports concerning compliance with laws, regulations, and internal rules (for officers, employees, and temporary employees of all Group companies).</li> </ul>		
Customers, local communities, etc.	Customer Centers accept inquiries.		
Suppliers	Consultation and reports are accepted at the consultation/reporting desk on the website.		

## **Human Rights Awareness Promotion**

### **Principle and Outline**

The Daigas Group holds that human rights ought to be accorded the maximum respect in all circumstances. All officers and employees must be keenly aware of this, and acquire and act on correct knowledge pertaining to human rights. In expanding its business globally, the Group pays careful attention to compliance with local and national laws and regulations, respect for human rights and other international norms, local culture and customs, and the interests of stakeholders. Accordingly, it offers human rights training and conducts educational activities aimed at improving awareness and instilling knowledge of human rights issues.

### System for Promoting Human Rights Awareness

To promote human rights awareness throughout the Daigas Group, Osaka Gas has established a "Daigas Group Human Rights Committee" headed by the director (Director and Senior Executive Officer) responsible for the Human Resources Department. This committee decides the activity policy with regard to human rights.

Based on this policy, the Human Resources Department's "Human Rights Center" plans, formulates and administers numerous efforts and events such as human rights training for all job levels, human rights lectures, and human rights slogan contests, and offers cooperation and support to individual organizations. In FY2023.3, we have started training programs based on human rights themes identified as those which we should give consideration to in human rights due diligence. The top award-winning slogans are made into posters that are put up in offices to constantly remind employees of the importance of human rights.

As well, business units and major affiliates have their own "Human Rights Committee," which relays company policies and human rights information to employees, encourages participation in outside lectures and the human rights slogan contest. The "Daigas Group Human Rights Committee" also exchanges information and opinions with divisions in the Group, all in an effort to understand what must be done across the entire Group. Further, each business unit and major affiliate appoints a "Human Rights Awareness Promoter," who is in charge of dealing with daily issues related to human rights.

The Daigas Group's "Compliance Desks" and "Human Rights Center" also accept consultation and reports on all matters related to human rights.

#### System for Promoting Human Rights Awareness

#### Daigas Group Human Rights Committee

Social

Members: General Manager of the department in charge of general affairs in each organization, and Managers of the ESG Office and the Compliance Office

#### Daigas Group Human Rights Executive Board

Members: Manager of the team in charge of general affairs at each organization, the ESG Office, and the Compliance Office

## Human Rights Committees at each organization

Members: Persons in charge of general affairs, etc., including affiliated core energy business companies and related companies

## Human Rights Promoters (at each organization)

Members: Persons in charge at each organization



### **Initiatives to Respect Human Rights for Suppliers**

The Daigas Group sets up a section on human rights in its annual sustainability questionnaire for major suppliers. In FY2024.3, our overseas subsidiaries also conducted a questionnaire survey on addressing human rights targeting major suppliers and conducted on-site audits by adding the confirmation of human rights risks to the existing quality audit framework. The results confirmed that there were no problems with forced labor or child labor.

In addition, at the human rights lecture for organization heads and managers, which is held every year, in FY2024.3, we invited the participation of construction companies, service chain companies, and other partner companies, and approximately 50 people attended the lecture.

Please see P.098 for more information on the details of the conducted sustainability questionnaire survey.

### Survey on Human Rights Risks

	No. of companies surveyed	No. of companies which replied
Sustainability questionnaire	388	364
Questionnaire survey on addressing human rights, on-site audit	51	47 (of which 12 underwent on-site audits)

095

### Implementation of Human Rights Training

### Human rights training for all levels

The Daigas Group has human rights training for all job levels: officers, managers, and new recruits.

In the human rights training for new managers, participants learn about human rights issues that companies should consider. We have human rights lectures for division heads and managers led by outside experts.

Human rights training for all employees have been conducted mainly through video distribution since FY2023.3. In FY2024.3, human rights issues at workplace, including unconscious bias and men's childcare leave, were featured under the slogan of "Apply What You Realized to the Workplace." Approximately 16,700 employees across the Group participated in the training.

Group-wide Human	Rights	Training	- Participants	

Participants	Implementation period	No. of participants	
Executives	December	34	
Managers and leaders	May, June, November, December	201	
New employees	April	219	
All employees	From October to March	About 16,700	
Organization heads and managers (Human rights lecture)	July	513	
All employees (Human rights lecture)	November	603	
Mid-career hires	June, October, February	248	
Others (HR Committee etc.)	Year around	174	
Total		About 18,700	

#### Training for human rights awareness leaders

In training for each division's human rights awareness leaders, participants take a variety of courses outside the company. In FY2024.3, a total of 154 took these courses.

#### Results of Participation in Courses outside the Company

Course name	No. of participants
Anti-discrimination and Human Rights Issues Awareness Raising (for Managers)	
Human Rights and Anti-discrimination Awareness Raising	
Buraku Liberation/Human Rights Summer Course	154
Buraku Liberation/University Human Rights Course	
Other	

Contents	Introduction	Management	Environmental	Social	Governance	ESG Data

## **Supply Chain Management**

### **Summary**

Basic	approach	

The Daigas Group could not conduct business without the cooperation not only of companies within the Group but also of its various stakeholders. We believe that it is necessary for the Group to control the social and environmental effects that are generated in the business processes in the most responsible manner and in close cooperation with our stakeholders. Based on the Group's corporate motto, "Service First," we strive to procure responsibly in cooperation with our suppliers. Supply chain management was positioned as one of our material issues in the Medium-Term Management Plan 2023.

Theme	Items to be addressed	Specific initiatives		
Supply chain management P.097	<ul> <li>Promoting understanding of the Daigas Group Procurement Policy among suppliers</li> <li>Confirmation of the status of major suppliers' sustainable activities, etc.</li> <li>Promotion of green purchasing</li> <li>Materiality Supply chain management</li> </ul>	Group Code of Business Conduct, revise The Daigas Group has formulated suppliers, together with the Daigas Group Each organization in charge of pro KPIs based on the materiaity Appropriate new supplier ratio Initiatives undertaken in FY2024.3 Implementing and promoting a system Procurement Policy for Suppliers to ou with a business transaction Conducting questionnaires for major s	g its social responsibility in close cooperation with suppliers in line with the Daigas d in accordance with the United Nations Global Compact. the Daigas Group Procurement Policy and has made it known to the Group's	
			n Partner Initiative, a system for evaluating the environmental initiatives of suppliers uilding an environmental management system (EMS) and obtaining certification	

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## **Supply Chain Management**

### **Policy and Principle**

Our broad-based city gas value chain is built on the cooperation of various suppliers. Fulfilling our social responsibility by working with our suppliers in the value chain builds relationships of trust with our stakeholders and furthers the development of the entire value chain.

The Daigas Group is committed to fulfilling its social responsibility in close cooperation with suppliers in line with the Daigas Group Code of Business Conduct, revised in accordance with the United Nations Global Compact. The Daigas Group has formulated the Daigas Group Procurement Policy and has made it known to the Group's suppliers, together with the Daigas Group Procurement Policy for Suppliers.

### **Daigas Group Procurement Policy**

▶ Daigas Group Procurement Policy

Daigas Group Procurement Policy for Suppliers

The Daigas Group aims to contribute to the development of a sustainable society and believes that environmental and social consideration is important in procurement. Based on this idea, the Group formulates its policy on the procurement of works, services, goods, products, parts, materials, etc. as follows:

#### 1. Compliance

We will ensure that our procurement will be in compliance with laws and ordinances, based on common sense corporate practices following sound ethical views, and in full consideration of occupational health and safety, respect for human rights, including prohibition of discrimination, forced labor, and child labor, and the elimination of misconduct.

### 2. Open Trading

To procure high-quality, safe and economical materials, equipment and the like at appropriate timing, we will deal with not only domestic companies but also overseas companies.

### 3. Fair Dealing

We will fairly and justly select suppliers, vendors, contractors and others with whom we conduct business (collectively referred to as "Suppliers"), taking into comprehensive account such factors as their corporate soundness, financial condition, commitment to corporate social responsibility, safety management system, technical capabilities, the quality, prices,

and reliability of their products and services, the compatibility of their products and services with existing equipment, reliability in delivery, after-sales service, and economic rationality.

### 4. Contribution to Environmental Conservation

Social

Based on the Daigas Group Environmental Policy, we aim to operate our business in harmony with the environment, including consideration of biodiversity. We will promote green purchasing\* in consideration of the balance between economic conditions and the reduction of environmental burdens.

### 5. Trusting Relationship

We will build a solid relationship of trust with Suppliers and strive for mutual development through close communication and fair and just purchasing transactions with them. For more details, refer to the Daigas Group Procurement Policy for Suppliers, which the Group has formulated.

\*"Green purchasing" is purchasing in full consideration of the necessity of the purchase, taking into account not only quality and price but also the environment.

### **Daigas Group Procurement Policy for Suppliers (Excerpt)**

### **Respect for Human Rights**

Respect the human rights of all those involved in corporate activities according to international human rights standards, and prevent the direct or indirect infringement of human rights, including discrimination, harassment, and other inhumane treatment, due to corporate activities throughout the supply chain.

### Fair Working Conditions

Comply with international labor standards and related laws and ordinances to appropriately pay employees, manage their working hours, and give them days off; to prevent any kind of discrimination at the workplace, forced labor, or child labor; and to respect the rights of workers (including technical intern trainees and other workers from abroad, and immigrant workers), such as the freedom of association and the right of collective bargaining.

#### **Contribution to Environmental Conservation**

Reduce the environmental burden of business operation, and products and services. [Examples: Reduce greenhouse gas emissions by saving energy and using low- and/or zero-carbon energy; promote green purchasing; use resources (water resources, raw materials, etc.) in a sustainable way; promote resource recycling; prevent air, water and soil pollution; and conserve biodiversity]

#### Ethical Corporate Management

Respect free and fair competition and prevent misconduct.

Protect intellectual property rights; disclose information appropriately; maintain confidentiality; safeguard privacy, including that of personal information; procure minerals responsibly; conduct responsible marketing activities; and never have any relationships with antisocial groups.

### **Responsible Procurement**

#### Measures in material procurement

We have a system for explaining the Daigas Group Procurement Policy and the Daigas Group Procurement Policy for Suppliers to our suppliers and confirming the status of their sustainable activities before proceeding with a new business transaction in materials purchasing.

In addition, we conduct a questionnaire survey of major suppliers in materials purchasing to check their sustainability efforts. Furthermore, when the suppliers conduct business transactions with the Daigas Group, they are asked to observe the Green Purchasing Guidelines set by the Group, which are attached to the specifications for the transactions.

### Sustainability activity survey of gas appliance makers and other suppliers conducted to promote information sharing on social and environmental issues to be tackled by companies

The Daigas Group conducts a questionnaire survey of major suppliers\* on sustainable activities to provide a sense of security to customers when they choose the Daigas Group, as well as to take into account social and environment aspects in doing business. The survey is based on the Daigas Group Procurement Policy and the Daigas Group Procurement Policy for Suppliers. The survey was conducted of gas appliance makers and other suppliers to assess the status of their efforts for a total of 56 items on the eight themes of compliance, human rights, labor, occupational health and safety, product safety and quality, environmental conservation, ethics and prevention of corruption, and keeping track of the state of affairs at major suppliers. In addition, we conducted a survey of service chain partners and construction work contractors, to which the Group has entrusted gas business-related duties, and of LNG suppliers.

\*Selected based on the degree of impact on our business, such as the transaction amount and whether or not Daigas Group brand products are handled

Companies covered by the survey	No. of companies surveyed	No. of companies which replied	Other efforts
Main suppliers	143	143	Green Partner Initiative
Gas appliance manufacturers	34	34	
Service companies, engineering firms	202	179	
LNG suppliers	9	8	

#### Survey on Sustainability Activities Conducted in FY2024.3

#### Results of the questionnaire surveys of suppliers

Social

Questionnaire surveys of suppliers regarding sustainability activities for FY2024.3 found no violations in the environmental and social fields. For responses that raised concerns, we followed up individually from each responsible line to confirm that there were no problems with the actual state of activities.

We provided suppliers with feedback on good practices among respondent companies and comparisons between overall average values and the results of their own responses to encourage them to continue and improve their efforts.

#### Efforts to encourage the reduction of environmental burdens and results

We encourage major suppliers, etc. to reduce environmental burdens as part of our efforts to reduce environmental burdens in our supply chain. In addition to complying with environmental laws and regulations, we request them to monitor their CO<sup>2</sup> emissions and water usage, report the status of setting reduction targets, and take measures to reduce environmental burdens.

#### Promoting green purchasing in collaboration with suppliers and affiliates

Based on its Green Purchasing Guidelines (formulated in 2000, revised in 2022), Osaka Gas works with suppliers to promote Green Purchasing: prioritized procurement of biodiversity-friendly goods and construction work that have less impact on the environment. We actively use eco-friendly products, including Forest Stewardship Council-certified paper, recycled paper, LED lighting, and carbon offset products.

In 2005, we launched the "Green Partner Initiative" to evaluate environmental efforts by our main suppliers, including establishing an environmental management system (EMS) and obtaining an EMS certificate. Suppliers recognized as supporting the initiative have been registered as Green Partners.

The Green Partner Initiative was revised in FY2016.3, resulting in suppliers other than those previously covered now being covered by the initiative. As of March 31, 2024, 80 suppliers were registered. Affiliated companies are working to expand green purchasing under the Daigas Group Environmental Management System (OGEMS), our unique environmental management system.

Green Purchasing Guidelines

### Participation in an initiative related to supply chains

Since FY2018.3, Osaka Gas has been participating in Sedex, which promotes the establishment of ethical supply chains, to respond to requests from suppliers.

We regularly undergo SMETA audits (an audit scheme provided by Sedex) at our LNG terminal in an effort to respect the human rights of our employees and improve the working environment.

### Training for personnel in charge of purchasing

The Daigas Group conducts training for personnel in charge of purchasing once a year. During training, we disseminate the Daigas Group Procurement Policy, which shows consideration for compliance, human rights, and the environment.

We also have e-learning courses for personnel in charge of purchasing available at all times.

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## **Customer Health and Safety**

## Summary

Basic	approac	h
		_

The Daigas Group is committed to making a positive contribution to realizing a higher level of comfort of its customers and the development of their business activities by ensuring a stable supply of city gas, electricity, LPG, and other energy sources and the safety of city gas supply and equipment with an improved level of services for its customers. To realize this, we believe that it is important to improve energy resilience so that customers can use energy without worry.

We positioned customer health and safety and stable supply of services as material issues in the Medium-Term Management Plan 2023. In the Medium-Term Management Plan 2026, we have positioned enhancing the resilience of customers and society as one of our material issues to continue working on the topic.

Theme	Items to be addressed		Specific initiatives	
	Ensuring continued stable procurement and	Policy and promotion system The Daigas Group is committed to ensuring the quality of city gas, our primary product, its stable supply, and the safety of our gas and power generation facilities – all by adhering to our "Security Rules." From FY2023.3, based on legal separation, we established the "Safety and Disaster Prevention Committee" as a company-wide committee to centrally manage and promote measures for events related to safety, disaster prevention, and gas supply stability, with the aim of building a system that exercises governance across the company during normal times.		
	safe supply of energy	KPIs based on the materiaity	FY2024.3 results	
Customer health and safety → P.100	<ul> <li>Building resilient facilities</li> <li>Emergency response system and anti-disaster measures</li> <li>Passing on advanced knowledge and skills in safety and disaster prevention</li> <li>Disseminating information about safe use</li> <li>Materiality Customer health and safety</li> <li>Materiality Stable supply of services</li> </ul>	Number of serious accidents	We continued to achieve zero serious accidents by implementing quality control of city gas in the production business and construction works, maintenance, and management of gas facilities in the supply business in accordance with laws, regulations, and internal rules. The percentage of earthquake-resistant facilities is approximately 89%, and the number of earthquake blocks increased to 727 due to the subdivision.	
		Building resilient facilities	The percentage of earthquake-resistant facilities is approximately 89%, and the number of earthquake blocks* increased to 727 due to the subdivision.	
		<ul> <li>Striving to systematically maintain a pi</li> <li>Building and implementing a system the Continuity Plan (BCP) to Take Effect Direction</li> </ul>	d power generation facilities, and continuing to maintain quality levels peline network to establish resilient facilities nat allows for quick response to accidents and disasters, developing a Business uring a Large-scale Disaster or Accident, and conducting drills as with advanced knowledge and skills related to safety and disaster prevention	

\*Blocks are divided parts of the supply network aimed at early restoration in the event of supply disruptions due to earthquakes, etc.

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## **Customer Health and Safety**

## **Policy and Principle**

The Daigas Group announced Long-Term Management Vision 2030 in March 2017 and Medium-Term Management Plan 2026 in March 2024. Ensuring the safety of city gas as well as gas and power generation facilities is of the utmost priority for the Daigas Group, which sets targets of continued zero serious accidents and serious energy supply disruptions caused by the company as well as 10.90 million and 11.50 million customer accounts in FY2027.3 and FY2031.3 respectively and aims to enhance the resilience of customers and society. To that end, we consider it important to work towards enhancing safety and improving preparedness for accidents and disasters.

The Daigas Group Code of Business Conduct, which sets forth the standards of conduct that our officers and employees must follow without fail, specifies "ensuring safety of products and services." In order to ensure safety, we are committed to not only meeting legal standards but also pursuing safety from the perspective of customers in each of our operations.

## Safety and Disaster Prevention Promotion Structure

We established the Safety and Disaster Prevention Committee as a corporate committee, which is a system built for ensuring governance across the company during normal times so as to centrally manage and promote measures for incidents related to safety, disaster prevention, and gas supply stability.

# Representative Director and President Management Meeting Corporate Committee: Safety and Disaster Prevention Committee Chairman: Head of Safety Safety Subcommittee Subcommittee Subcommittee

#### Safety and Disaster Prevention Promotion Structure

## Developing a Business Continuity Plan to Take Effect During a Large-scale Disaster or Accident

In July 2013, the Daigas Group formulated a Business Continuity Plan (BCP) to be implemented in the event of a large-scale disaster or accident. This BCP, which we have disseminated throughout our Group, outlines responses to identified risks.

It assumes a situation in which the company and society at large are affected by an earthquake or tsunami resulting in a paralysis of various functions, or a functional failure due to problems with raw materials suppliers and our equipment. According to the terms of the "Act on Special Measures for Pandemic Influenza and New Infectious Diseases," the company shall respond promptly and accurately to the outbreak of a new strain of influenza or the like to prevent infection of employees and to protect public health. We have established company regulations under the name of the "Pandemic Influenza and New Infectious Diseases Preparedness Action Plan" in order to ensure the stable supply of gas in such a situation.

In principle, we review our BCP annually and promote employee awareness by implementing BCP training, earthquake drills, and education and training incorporating e-learning.

In the event of an earthquake, we must respond by upholding business continuity in parallel with implementation of disaster response operations, so clearly advanced disaster response capabilities are required as well. By simultaneously implementing earthquake drills and BCP training in FY2024.3, we were able to examine the issues of maintaining business continuity concurrently with disaster response operations, thus strengthening our overall disaster-response capabilities.

## Safety and Security Efforts in the Energy Business

## Ensure stable procurement by diversifying sources of LNG imported by Osaka Gas

Natural gas resources—the source of city gas and fuels for power generation—are spread worldwide. Osaka Gas started importing LNG from Brunei in 1972 and has since diversified its procurement sources.

In December 2019, a natural gas liquefaction project was launched in Texas, U.S. LNG from the United States is procured with a new method, whereby the price is determined in connection with Henry Hub prices, the index upon which the market price for natural gas futures is based in the United States. This procurement method has been added to Osaka Gas's existing procurement method, whereby the price is determined by indexing to crude oil prices.

The use of more diverse price indicators will enable us to procure LNG at stable prices even if crude oil prices fluctuate. Moreover, investment in the natural gas liquefaction project will enable us to procure a kind of price-competitive LNG, whose price is closer to prime cost, among the kinds of LNG whose prices are linked to Henry Hub prices.

We will continue our efforts to procure more affordable LNG in a more stable manner.

LNG Handled by Osaka Gas (Including Fuel Used for Power Generation and Wholesale) (thousand ton)				
Fiscal Year	22.3	23.3	24.3	
Brunei	641	160	450	

Brunei	641	160	450
Indonesia	127	0	0
Malaysia	942	1,153	1,008
Australia	4,011	4,756	4,026
Russia	449	321	192
Qatar	179	0	0
Oman	1,335	1,460	1,529
Papua New Guinea	1.663	1,939	1,940
USA	2,823	679	2,151
Others	274	141	189
Total	12,443	10,608	11,484

## Safety measures at LNG terminals

## Our system docks LNG tankers safely

At the Osaka Gas LNG terminals at Senboku and Himeji, we strive for complete safety on site and in the surrounding areas. This safety begins as soon as the tankers carrying LNG dock at dedicated piers at the LNG terminals.

The tankers bringing LNG from around the world are docked with the utmost concern for safety. Osaka Gas developed its own system specifically for safely docking tankers through a series of processes.

This system uses a GPS to monitor in real time the position of the tankers to an accuracy of 10 cm as they enter and leave the port, and dock and undock.

## LNG tank safety measures

Social

The LNG transported by tanker is fed into LNG tanks from the dock. To ensure a stable supply of city gas, our two LNG terminals have a total of 25 LNG tanks, including one of the world's largest land-based tanks.

Tanks are equipped with advanced earthquake-proof technology. Should there be a gas leak, the tanks have dikes to stop the LNG from flowing to the outside. And there are high-expansion foam discharge systems and water curtain facilities to contain any spilt LNG.



High-expansion foam discharge and water curtain facilities along the dike around an LNG tank

### Odorization aids gas leak detection

At Osaka Gas's two LNG terminals, the LNG brought in by tankers at a temperature of -160°C is vaporized using the heat of sea water, then the heating value of the gas is adjusted before it is delivered to customers. Because natural gas is odorless, it is given a specific odor so that it can be detected in case of a gas leak.

### Monitored 24 hours a day, 365 days a year

Central control rooms at LNG terminals carry out around-the-clock monitoring and operation of all processes from receipt of LNG, vaporizing of the gas, to delivery of the product.

These central control rooms also carry out monitoring and operation of all of the incident detectors and surveillance cameras so that problems are detected promptly and prevented from spreading. If an incident detector picks up a problem, an alarm is sounded in the central control room and staffs are on the scene immediately.



Central control room at an LNG terminal

### Osaka Gas Network Co., Ltd. initiatives: Safety measures during supply

### Monitoring and replacing gas pipes

City gas is delivered to customers via the gas pipeline network. Therefore, Osaka Gas Network Co., Ltd. recognizes that keeping the gas pipes safe and properly maintained is one of the most important matters and is constantly replacing old metal pipes with pipes made of polyethylene, which is highly durable and earthquake resistant.



Pipes made of polyethylene exhibit high flexibility

#### **Building resilient facilities**

To ensure stable city gas supply, we believe that it is important to renovate the processing facilities, build a gas pipeline network, and take disaster prevention measures in accordance with meticulously devised plans to strengthen our foundation to secure a higher level of stability in the gas supply.

Osaka Gas Network Co., Ltd. is working to improve the earthquake resistance of gas facilities as a preventive measure (promotion of the spread of earthquake-resistant facilities), including the introduction of highly earthquake-resistant gas pipes. We are refurbishing aged gas pipes and introducing such highly durable pipes according to the plan. We are actively proposing the repair of old buried gas pipes at customers' sites that pose a risk of corrosion. We completed measures for cast iron pipes (pipes requiring measures) ahead of schedule from FY2021.3 to FY2016.3. We continue to implement measures for cast iron pipes (to be maintained and managed) and pipes for preventing corrosion and deterioration.

As part of emergency measures to prevent secondary disasters, we have established a gas shutoff system to prevent secondary disasters caused by gas leakage in the event of an earthquake or other disasters.

In accordance with the Ministry of Economy, Trade and Industry's "Gas Safety Upgrading Plan," we are working to increase the percentage of earthquake-resistant pipes, which indicates the ratio of earthquake-resistant pipes to the total, and to subdivide gas supply blocks to minimize the interruption of the gas in the emergency measure by the earthquake.

We believe that energy resilience can be improved by taking both measures: increasing earthquake resistance as a preventive measure against earthquakes and minimizing damage and achieving early restoration in the event of an earthquake.

#### Security measures to prevent accidents

Osaka Gas Network Co., Ltd. ensures that the following security measures are taken to prevent the occurrence of accidents including gas leaks.

- 1. Regular inspection of gas pipes along the pipelines to ensure there are no gas leaks
- 2. Inspection and repair of facilities including regulators, valves, and gas pipes on bridges

3. Meetings with contractors who are doing excavation work for water and sewage pipes, and electrical and phone lines near gas pipelines, as well as inspection of the work sites, before, during, and after the work



The Central Control Room of Osaka Gas Network Co., Ltd. ensures a stable and safe supply of gas 24 hours a day, 365 days a year.

Social

We have a gas supply monitoring and control system that keeps a constant watch on gas, from the LNG terminals to every corner of the pipeline network. The system constantly gathers data on gas pressure, flow volume, and irregularities from points around the gas pipeline network, providing integrated control through remote operation that controls production and supply and detects any problems.



Central Control Room

## Osaka Gas Network Co., Ltd. initiatives: Emergency response system and anti-disaster measures

## Taking calls and responding all day, every day

It is particularly important to establish an initial response system in the event of accidents and natural disasters and act appropriately in response to such events.

Osaka Gas Network Co., Ltd. has established a unified security system covering the entire supply area. Under the system, if gas leakage occurs, the Central Control Room will take charge of all relevant duties, including receiving an accident report and dispatching security staff to the accident site. Specifically, the



Central Control Room (emergency call reception)

Central Control Room will order the dispatch of the emergency vehicle that can reach the accident site the fastest by taking various factors into consideration, such as availability of vehicles and their locations.

The Central Control Room accepts emergency reports, such as a gas leakage, around the clock via dedicated telephone lines set up in the Room. After an accident is reported, emergency staff will be sent to the site immediately and work in close collaboration with local police and fire departments.

#### Initiatives for coordination with local governments in the event of a disaster

Osaka Gas Network Co., Ltd. has concluded agreements with local governments on coordination in the event of a major disaster or in other similar situations. The purpose of the agreements is to quickly stabilize people's lives by working together with local governments to restore gas supplies safely in the event of any major disaster. As of March 2023, the company has concluded agreements with approximately 70 local governments within the supply area, including Osaka City.

With this agreement, the company will deepen its cooperation with the government in normal times even more than before, and build a system for cooperation and collaboration in the event of a disaster.



Regular inspection of gas pipes on

bridaes

#### Measures against possible large-scale earthquakes

Main earthquake

countermeasures

Install additional

Introduce earthquake

smaller segments

damage prediction system

Subdivide supply blocks into

seismometers

Focus

gathering function

Establish supply

Strengthen

information

Daigas Group has taken a range of measures for dealing with large earthquakes, including installing earthquake-resistant polyethylene pipes and intelligent meters that detect vibrations from the earthquake and shut off the gas supply and securing an emergency communications network. In addition, the Great Hanshin-Awaji Earthquake of 1995 has prompted us to step up these measures.

We have installed seismometers in the Group's service area, which allow us to quickly determine the seismic intensity and other information. The service area is divided into blocks. In the event of the detection of ground shaking that may cause damage to gas pipelines, to prevent secondary damage, gas supplies are shut off block by block. This is possible thanks to a system of automatic gas shutoff devices equipped with a seismoscope as well as remote gas shutoff devices that are activated by command from the Central Control Room. If the Central Control Room is physically damaged, the Central Control Subcenter set up with a similar function will take over its task.

We also make constant efforts to improve employees' ability to respond to emergencies, including conducting company-wide disaster drills and providing disaster prevention education through e-learning, in addition to taking physical countermeasures against earthquakes as described above.

In FY2024.3, as a disaster drill, we conducted a group-wide earthquake drill and business continuity plan (BCP) training simultaneously, continuing from the previous year, to identify issues arising and to verify countermeasures upon conducting disaster response and business continuity operations at the same time.

In the drill based on the scenario of an earthquake of magnitude 8.7 with an epicenter in the Nankai Trough, a task force, headed by the President of Osaka Gas, was formed at the Head Office. Approximately 2,000 employees from the Group participated in the drill to check how they should respond when disasters occur. For the drill, the reality of damage estimates was enhanced to further strengthen practical skills. The drill also included response to unexpected events, with no scenarios prepared in advance.

Progress of Earthquake Countermeasures at	fter the Great Hanshin-Awaji Earthqual	ke
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55 middle blocks

Remote suspension

At the time of

Great Hanshin-Awaii

Earthquake (January 1995)

Installed at 34 locations

suspension approx. 3,600 locations Introduce supply suspension equipment only for super system Earthquake-sensitive automatic equipment blocks (dividing the supply suspension equipment at approx. area into 8) 3,000 locations Osaka Gas Head Office and back-up Strengthen center serve as two hubs emergency Strengthen wireless systems 6 portable satellite communications communications facilities Ratio of strengthening of Percentage of earthquake Percentage of earthquake resistant earthquake resistance resistant pipes: 68% pipes: Approx. 89% PE pipes used for basically all Promote widespread use of PE pipeline length: Approx. low-pressure pipelines polyethylene (PE) pipes 1.200 km PE pipeline length: Approx. 18,300 km Other Installation completed for residential Promote widespread use of Overall adoption rate: sector Overall adoption rate including microcomputer meters Approx. 75% non-residential sector: Approx. 99% Back up important online Back-up center opened information

\*Since April 2022, the city gas supply business has been conducted by Osaka Gas Network Co., Ltd.

#### Status of technology development and operation for disaster preparedness and recovery support

Governance

Various in-house organizations must work in close cooperation to restore gas supply suspended because of a disaster or accident. This requires that information on conditions at trouble spots be shared immediately.

Osaka Gas developed the "BRIDGE" disaster recovery support system to centrally manage real-time information from the onset of a disaster/accident through recovery, and put this system into operation in April 2012. The system links up map information with customer information, making it possible to "visualize" recovery actions by centrally managing on-site progress and reducing the time needed to complete recovery work.

In addition, the "OG-DRESS" mobile-based reporting system aimed at supporting disaster recovery has been established, enabling reporting on completion of recovery work via mobile phone. Based on such a system, we will make our response actions in the event of a disaster expeditious.

We developed the "Typhoon and Torrential Rainfall Information System," which provides centralized information on accumulated rainfall and landslide disasters during typhoons and torrential rainfall, and have been operating the system since 2015. We also built a system to grasp the risk of river flooding at an early stage and have operated it since 2021. If we identify a risk of inundation of gas supply facilities due to river flooding, we will establish an emergency system and take preventive measures for the facilities to ensure the safe supply of gas for our customers. We have developed a "recovery visualization system" that provides easy-to-understand information on the restoration of gas service to customers living in areas where gas supply is cut off due to a major earthquake. In the event of a major earthquake, the top page of our website switches to an emergency-use page that provides status updates on gas supply stoppage and restoration using this system.

The recovery visualization system has two types of browsing functions: a map on which the gas recovery status is shown color-coded by stage and a list that shows the gas recovery progress by area.

We will continue to work to improve our disaster prevention and mitigation measures against earthquakes and other natural disasters and to deliver city gas to our customers with greater safety and stability.

\*Since April 2022, the city gas supply business has been conducted by Osaka Gas Network Co., Ltd.

#### Passing on advanced knowledge and skills in safety and disaster prevention

Based on the belief that our greatest mission is to deliver gas safely and securely, the Daigas Group strives to nurture human resources with a high level of knowledge and skills in the areas of safety and disaster prevention.

At LNG terminals, we introduced a system with 3D animation to improve the quality of training, leading to skill transfer. The system replicates fires and other serious accidents that are not easy to experience realistically. The Technical Skill Development Center of Osaka Gas Network Co., Ltd. strives to develop human resources with advanced knowledge and skills through high-guality lectures, abundant DX materials (video content and VR), etc., with the aim of preventing gas accidents and accidents resulting in injury or death. To convey the lessons learned from various past failures, we have also set up experiential-type training facilities that reproduce the circumstances at the time of these failures. Also in the Energy Solutions Business Unit, the Human Resource Development Centre provides various training programs to improve the quality of work related to security, such as starting service of gas supply, regular safety checks of gas appliances, and installation and repair of equipment.

In order to further solidify "safety," we have established the Four Safety Principles as a universal code of conduct common to those involved in safety as part of their work. We aim to eliminate accidents and problems by adhering to these four principles, which are: adherence to rules, reliable communication, reconfirmation, and interruption at unexpected times. We will follow these provisions to help make ourselves continuously aware of our responsibility to customer safety.

Present (March 2024)

Installed at approx. 3.300 locations

Introduced at the Central Control

Room (Osaka Gas Head Office,

Remote suspension equipment at

back-up center) and 5 areas

89 middle blocks

727 little blocks

Management

103

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#### Products and services ensure safe use by customers

#### Informing customers about safe use of gas appliance

To ensure that customers can use their gas appliances with peace of mind, we take every opportunity to talk to them about the safety of their appliances: during regular safety inspections, when providing a new gas service, and when conducting repairs.

The Osaka Gas website has a section with important announcements on gas appliances, where we talk about the proper use of gas appliances, and post prompt notices about product modifications or defects.

#### Developing and promoting the use of safer gas appliances

The Daigas Group strives to bring customers products and services that ensure the safe use of gas. In 1992 we developed an automatic shut-off device for gas stoves and in 1999 a small gas water boiler with interlock mechanism<sup>\*1</sup>. To eradicate fires originating from gas stoves, since April 2008 all products have been equipped with an auto shut-off function to automatically turn off the gas when the user forgets to. We have been working to spread the use of this product, called the "Si" Sensor-Equipped Cooking Stove.

In 2019, we developed and launched a new safer and securer gas stove in cooperation with Paloma Co., Ltd. to reduce the risk of clothing catching fire\*<sup>2</sup> during cooking. The new gas stove is equipped with area sensors\*<sup>3</sup>, an industry-first technology. When a sleeve or other object comes close to the flame, the sensors detect it, lower the flame automatically, and sound a voice alert. The product obtained recommendation certification as a product with effective fire and disaster prevention functions from the Fire Equipment and Safety Center of Japan, the first time for a cooking device. Meanwhile, we would like to eradicate all old gas appliances that lack safety mechanisms. In particular, we visit customers who are still using old appliances that are not equipped with incomplete combustion prevention devices, such as small tankless gas water heaters and wire-mesh gas stoves, and recommend that customers upgrade to safer gas appliances.

The Group also provides gas alarm systems that warn residents of a gas leak or carbon monoxide and offers a range of safety-related services, including the dispatch of staff to a home when trouble is detected.

- \*1 Interlock mechanism: A device that stops the ignition process after the incomplete combustion prevention mechanism is triggered three times.
- \*2 Clothing catching fire: A sleeve, for example.
- \*3 Area sensors: It is a registered trademark of our company.

#### Rate of Use of Water Heaters with an Incomplete Combustion Prevention Device and Gas Stoves with a Function of Automatically Turning off the Flame

	FY2020.3	FY2021.3	FY2022.3	FY2023.3	FY2024.3
Rate of use of water heaters with an incomplete combustion prevention device (%)	99.9%	99.9%	99.9%	99.9%	99.9%
Rate of use of gas stoves with a function of automatically turning off the flame (%)	96.1%	96.2%	96.3%	96.3%	96.6%

#### Announcement of joint development of a smart meter system

Social

Osaka Gas Network Co., Ltd., Tokyo Gas Network Co., Ltd., and Toho Gas Network Co., Ltd., which are city gas pipeline companies, have been working to jointly develop a smart meter system for the city gas business with the aim of increasing the efficiency of gas meter reading and gas line closing operations in normal times and improving disaster resilience.

The introduction of communication-enabled smart meters will increase the efficiency of on-site work through remote gas meter reading and gas line closing. The smart meters will also enable remote gas shutoff operations (gas line closing) in the event of gas leakage as well as remote safety measures (gas line closing) and gas restoration operations (gas line opening) in the event of a disaster. This will further help enhance safety and improve resilience in supplying city gas.

We believe that joint development of the system responsible for signal exchange between smart meters and various business systems will not only reduce development costs, but also contribute to improving social benefits.

#### Product Safety Voluntary Action Plan for residential gas appliances

The Daigas Group, as a distributor of residential gas appliances and a repair and installation business, strives to ensure the safety of residential gas appliances, acting according to the Product Safety Voluntary Action Plan, being based on a strong determination to continue to ensure that our customers enjoy safe, secure, and comfortable lives.

Product Safety Voluntary Action Plan for residential gas appliances

#### When problems occur

When there is a product accident or other problem with a gas appliance that it sold, installed, or repaired, the Daigas Group immediately informs the media and places notices in newspapers and on its website. At the same time, the Group proceeds with the inspection of the product in guestion and if necessary repairs it or replaces parts.

No such incident occurred in FY2024.3.

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## **Customer Satisfaction**

## **Summary**



With "Service First" as its corporate motto, the Daigas Group believes it is important to strive to improve our security and service quality as well as appropriately provide customers with information regarding the safety aspects of our products and services so that they can use them in a safer and more convenient manner. To provide services in excess of customer expectations, we are listening to their voices through various contacts with them, with the aim of improving our products and services.

We positioned the improvement of customer satisfaction and quality of services as one of our material issues in the Medium-Term Management Plan 2023. In the Medium-Term Management Plan 2026, we have positioned co-creating advanced, diverse solutions that meet customer values as one of our materiality. We continue working on the improvement of the customer satisfaction level.

Theme	Items to be addressed	Specific initiatives
Customer satisfaction → P.106	<ul> <li>Maintenance and improvement of service levels by collecting and analyzing customer feedback and reflecting it in operations</li> <li>Creation and sharing of manuals for each duty, aiming for higher level of service</li> <li>Promotion of awareness-raising activities through training for managers and persons in charge</li> </ul>	Policy and promotion system         The General Manager of the Energy Solution Business Unit plans the basic policy for customer satisfaction improvement activities in accordance with the "Customer Service Rules," and the head of each organization in charge formulates and implements specific measures.         KPIs based on the materiality       FY2024.3 results         Customer satisfaction rate       92%         Initiatives undertaken in FY2024.3
	Materiality Improvement of customer satisfaction and quality of services	<ul> <li>Conducting a questionnaire after completing a duty, analyzing and sharing it within the company, and reflecting it in the improvements in duties</li> <li>Continuing efforts to improve the skills of managers and persons in charge through the creation of manuals and training for each duty</li> </ul>

## **Customer Satisfaction**

## **Principle and Outline**

Since FY1989.3, Osaka Gas has conducted the Customer Satisfaction Survey with the aim of improving customer satisfaction. The survey covers five duties that directly deal with customers: opening of gas lines, repair of gas appliances, sales and installation of appliances, regular security patrols (gas facilities inspection), and response to telephone inquiries (at the customer centers). After completing each duty, we ask customers to provide their feedback in a questionnaire, and in FY2024.3, we received 31,300 responses to the questionnaire.

The results of this survey are reflected in our efforts to improve daily operations and enhance CS awareness among the Group employees and Osaka Gas service chain employees.

The results of this survey are also reflected in KPIs based on material issues. We manage our progress toward achievement of our goals and redouble our efforts to achieve higher levels of customer satisfaction.

## **Improving Customer Satisfaction**

Prompt, precise phone service connects customers to the relevant company division In 1985, Osaka Gas opened its "Customer Centers" as a one-stop service portal for customers with

in 1965, Osaka Gas opened its 'Customer Centers' as a one-stop service portal for customers with inquiries and applications for service. The center takes telephone inquiries on all matters relating to gas and electricity, such as starting and stopping a gas and electricity service, inquiries about gas and power bills, requests to change payment methods, and repair of gas appliances. On the Osaka Gas "Internet Reception" page, customers can easily apply for services related to moving to a new home, inquiries on gas bills, and changes in the day of equipment surveys. And for the hard of hearing, we have a facsimile service for handling inquiries. With our company-wide "Hello System," applications and inquiries are relayed from the "Customer Centers" to the relevant Osaka Gas division to ensure that customers always get a prompt and appropriate response.

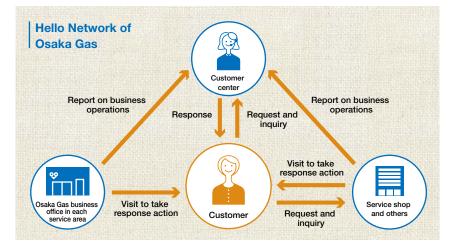
For the sake of greater customer convenience, we have been offering toll-free numbers and a phone service even on Sundays and holidays to take gas appliance repair requests 24 hours a day. In April 2020, we launched a new service whereby artificial intelligence (AI) automatically responds by voice to phone calls made by customers to arrange a schedule change for gas equipment inspection, using the Voice Digital Transformation (DX) Consulting Model\* provided by NTT Communications Corporation.

Aiming to further improve service in additional ways, we will optimize the assignment of Customer Center operators and introduce an automated attendant system. We will also continue our efforts to further enhance our system for accepting requests, applications, etc. online.

\*The Voice Digital Transformation (DX) Consulting Model is a solution that automates the entire process, from response at the contact center to clerical processing, by combining an interactive AI engine and application programming interface (API; a system for sharing the functions of software)

### Hello Network of Osaka Gas

Social



## Efforts to Improve Customer Satisfaction in Each Duty that Directly Deals with Customers

### **Opening of gas lines**

For the opening of gas lines, we first receive an application from a customer when starting a new gas service and then visit the customer on the desired date and time. In the presence of the customer, we perform work such as checking for gas leaks and the safety of gas appliances so that gas services can be used without worry. We accept applications by phone at Osaka Gas's customer center or on our website. In response to feedback from customers who have moved into new homes where they do not know how to use the installed gas appliances, we provide explanations on how to use gas water heaters and stoves. We have received positive feedback from many customers through questionnaires.

#### Repair of gas appliances

For the repair of gas appliances, we accept requests for repairs 24 hours a day, 365 days a year, and visit our customers' homes to repair their appliances. In addition to accepting requests by phone at Osaka Gas's customer center, we also accept them on our website, where customers can inquire about the details of their problems and receive advice on issues that can be resolved without our visit. Osaka Gas's service chain partners hold a large inventory of parts of hot water appliances, for which there are particularly many requests for repair, so that we can repair them on the day of our visit. As a result, the completion rate of repairs on the first visit reached 90% and the satisfaction rate for the number of days from acceptance to completion of repairs 98%, indicating that our repair speed is highly evaluated by our customers.

#### Sales and installation of appliances

Social

For the sales and installation of appliances, Osaka Gas's service chain partners, which operate in approximately 200 locations in the Kansai region, provide community-based services that can respond quickly and meticulously to customer requests. In order to help our customers live safe and comfortable lives through a wide range of operations, our experienced staff members provide various services, including proposals for appliances, quotations, contracts, installation, and after-sales service. We created a video explaining the details of installation work, based on the comments from customers who have signed a contract for purchasing a gas stove regarding advance explanations of the installation work, including "I would feel more secure if I knew the details of the work in advance." We use this video at the time of sale or installation so that customers can see in advance what will be performed on the day of the work, and thus the appliance can be delivered with a greater sense of security.

#### **Regular security patrols**

In regular security patrols, inspections of gas facilities for gas leaks and ventilation equipment (gas water heater/gas water boiler) are conducted at least once every four years\* in accordance with the Gas Business Act to ensure safe and secure use of gas. The work on the day of the inspection is carried out by workers who have received appropriate technical training. In addition to the inspection items stipulated by law, we have set items for voluntary work, such as checking the ignition of some gas appliances and measuring the carbon monoxide concentration in the exhaust gas, in an effort to call attention to the safe use of gas. Additionally, as we require the customer's cooperation during the inspection, we mail a notice of the visit date in advance, and if the date is not convenient for the customer, we accept requests to change the visit date. In addition to applying by phone, we also make it possible to apply online in an effort to reduce the burden on our customers.

\*Patrols are conducted at least once a year for specific underground malls and specific underground rooms.

## **Proposing New Value**

## "Sumikata Services": A range of home repair and other services to support comfortable, safe living

Osaka Gas provides a wide range of services under the umbrella of "Sumikata Services" for residential customers, which extend beyond gas and electricity, to support the comfort and safety of people's home living environments.

Sumikata Services include plumbing repair, air conditioning repair, home repair, house cleaning, and other services as part of "Kaketsuke Service," which involves the dispatch of personnel to the customer's home. Other services include disaster-management and crime-prevention services covering gas alarms, fire alarms, home security, and more. For example, personnel from the Osaka Gas service chain, with expertise gained through the repair of gas equipment, quickly accept and respond to service requests to repair water-related problems in the kitchen, bath, sink area, or toilet.

In June 2020, we started providing services, such as housekeeping and garden tree care, in collaboration with Duskin Co., Ltd., and from October the same year, we began the provision of services to respond to trouble with PCs and IoT devices in partnership with Japan PC Service Co., Ltd.

Through Sumikata Services, we respond to a wide range of problems faced by our customers in collaboration with the Osaka Gas service chain and diverse alliance partners. The membership of the services currently exceeds 500,000.

## Accuracy in Advertising

### Ensuring complete accuracy and honesty in advertising based on the code of conduct

Advertising activities and product labeling are important means for many customers to accurately understand the products and services of Osaka Gas, and they are important factors for customers to make decisions when selecting products and services. Therefore, we strive to provide and display appropriate information about products and services based on "9. Ensuring safety of products and services" in the Daigas Group Code of Business Conduct.

Responding to rising popularity and demand among our customers for environmentally friendly products, whenever the degree of energy-saving effects of a product is printed in our catalog, as a rule we ensure the accuracy by double-checking the manufacturer's claims of the product's performance data and confirming those numbers internally. In FY2024.3, we worked with suppliers who engage in advertisement production to incorporate correction and remedy in contracts for the purpose of strengthening human rights protection, as well as engaged in dialogue to prevent human rights infringements.

As for the safety of products and services offered by the Daigas Group, we are managing the development and quality control as well as labeling and information disclosure for all Osaka Gas brand products in line with the technological standards stipulated under the Gas Business Act and the Law Concerning the Securing of Safety and the Optimization of Transactions of Liquefied Petroleum Gas and guidelines set by the Japan Industrial Standards (JIS) and the Japan Gas Appliances Inspection Association (JIA), as well as in-house rules.

## Introducing energy saving information and a safety guide on our website

The Daigas Group uses various media to provide customers with a wide variety of useful information for daily life regarding energy saving so that they can use energy efficiently. "Kurashi no Hinto Zukan" on the Osaka Gas Website contains a collection of hints regarding measures aimed at promoting energy saving at households and their expected benefits. Users of the website can access the content of a guidebook called "Anshin Guide," detailing how to use gas safely, which they are to receive from Osaka Gas staffers visiting their homes for gas equipment surveys.

We have set up an online site called "Daigas STUDIO" to deepen people's knowledge of Osaka Gas and increase their favorability of our company. Users of the service can access the most updated information about the Daigas Group and relevant topics through the website, Facebook and X (formerly known as Twitter).

In addition, we share information about our initiatives toward carbon neutralization, which are of great importance to society, on our website "The Daigas Group's Challenge to Carbon Neutrality".



Contents	Introduction	Management	Environmental	Social	Governance	🛄 ESG Data

## Community

## **Summary**

Basic	approach

The Daigas Group operates a business that is rooted in and supported by local communities. We believe that our various contributions to local communities will lead to a virtuous cycle, leading to the development of both the Group and society. The Group recognizes that it is important to proactively disclose information, enhance management transparency, and promote co-creation through constructive dialogue with a

The Group recognizes that it is important to proactively disclose information, enhance management transparency, and promote co-creation through constructive dialogue with a wide range of stakeholders for the public's better understanding of its corporate activities. We have positioned coexistence with the local community as one of our material issues in the Medium-Term Management Plan 2023.

In the Medium-Term Management Plan 2026, we have positioned maintaining and improving the soundness and flexibility of management foundation as one of our materiality. We set contribution to local communities as an indicator, and accerate initiatives.

Theme	Items to be addressed	Specific initiatives		
Co-creation activities with local communities - P.110	<ul> <li>Community building</li> <li>Recommendations to society through research activities</li> <li>Partnerships with social service organizations</li> <li>Contribution to next-generation education</li> <li>Contribution to local communities through sports</li> <li>Corporate volunteering activities under the Small Light Campaign</li> </ul> Materiality Coexistence with local community	knowledge and programs aimed at ress Promoting sound development of the nex food education, sports menus, etc. KPIs based on the materiaity Participation in local governments' activities (i.e. community development planning) Number of joint efforts with local communities Initiatives undertaken in FY2024.3	<ul> <li>of stakeholders, including local governments, schools, and NPOs, to provide olving social issues t generation through the Group's energy and environmental education, disaster prevention,</li> <li>FY2024.3 results</li> <li>51 cases</li> <li>248 times</li> </ul>	
Activities by public interest incorporated foundations → P.114	<ul> <li>Assisting the elderly <ul> <li>The Osakagasgroup Welfare Foundation</li> </ul> </li> <li>Doing our part on the international scene <ul> <li>The Osaka Gas Foundation of International Cultural Exchange</li> </ul> </li> </ul>	<ul> <li>Policy and promotion system</li> <li>The Foundation engages in activities to improve and enhance the welfare of the elderly by subsidizing local welfare activities for the elderly and surveys/research conducted by universities and medical institutions and by promoting health to help senior citizens maintain and improve their health.</li> <li>The Foundation continues its activities to grant subsidies in the fields of education, academics, and science and technology in natural gas-producing countries in Southeast Asia and Oceania, with the aim of deepening international mutual understanding between Japan and these countries and contributing to international goodwill.</li> <li>Initiatives undertaken in FY2024.3</li> <li>Subsidy projects for welfare activities for the elderly and surveys/research: 61 subsidies for welfare of the elderly (6.90 million yen); 13 subsidies for surveys/research (8.88 million yen)</li> <li>Health promotion projects aimed at helping senior citizens maintain and improve their health: 108 times, 4,742 participants</li> <li>Subsidy projects for universities, students, etc. in Indonesia, Malaysia, and East Timor: Scholarships, grants for experimental research, etc. (25.51 million yen)</li> </ul>		

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## **Co-creation Activities with Local Communities**

## **Principle and Outline**

As a corporate group operating in a community-based manner, the Daigas Group believes that its good relationships with local communities is an indispensable foundation for its management. To help local residents better understand our business, we are proactively disclosing information and increasing the transparency of our company operations, as well as communicating with the general public. In addition, we will promote activities that are highly compatible with the Group's management strategy and that can contribute to coexistence with local communities. We have been making proposals for and cooperating in local governments' activities and working on joint efforts and activities with communities to create value in communities by taking full advantage of knowledge and resources which the Group has acquired through its business operations.

The details of the Daigas Group's initiatives are found on our social contribution website.

### Examples of activities

Theme	Examples of activities				
Participation in local governments' activities (i.e. community development planning)	<ul> <li>Support for SDGs promotion activities by local governments through proposals for community building</li> </ul>	<ul> <li>Proposals for/participation in councils, committees, etc. organized by various organizations and local governments</li> </ul>			
	<ul> <li>Research activities with third parties to create attractive cities</li> <li>Holding the Uemachi-Daichi past and present forum event</li> <li>Production of Storytellers' Theater</li> </ul>	<ul> <li>Support for activities by elderly people in collaboration with local governments, NPOs, etc.</li> </ul>			
Co-creation with local communities	<ul> <li>Collaborative activities with NPOs and social entrepreneurs</li> <li>Communication related social issues through NPO for social designing</li> <li>Supporting NPOs through Osaka Gas member's club</li> </ul>	Holding social design forums and workshops			
	●Holding "Fureai Bazaar," etc. under the "Small Light Campaign"	<ul> <li>Activities to revitalize communities in collaboration with local governments and third parties</li> <li>Talkin'About and Walkin'About activities</li> <li>Histoire project</li> </ul>			
	Environmental communication activities	●NOBY T&F activities			
Other activities	Disaster response education and fire education	Research on disaster response and network activities			
(next-generation education,	●Food education	•Lectures and presentations at universities			
consumer support, etc.)		●Community clean-up by sports clubs			
	Response to consumer groups and consumer centers	•Holding coaching sessions for baseball and track and field, etc.			

### Social contribution activity costs

FY2024.3: 236 million yen

## **Community Building**

As an energy service provider focusing on businesses closely related to people's day-to-day lives as well as addressing environmental preservation with a great sense of mission, the Daigas Group is working on giving the public greater safety and security by cooperating and making proposals in fields related to daily lives, such as cooperation and proposals for community development that takes into account the local environment and disaster prevention, as well as the health of local residents and other areas of life.

## **Recommendations to Society through Research Activities**

The Research Institute for Culture, Energy and Life (CEL), the in-house research institute of the Daigas Group, was established in 1986 as one of the projects commemorating the 80th anniversary of the founding of Osaka Gas.

We work on research, practice, and recommendations to analyze the social structure and solve problems in society with the aim of creating value in



Holding a Storytellers' Theater performance at Open House Osaka

communities ((i) responding to an environment-oriented and recyclable society, (ii) responding to security and mutual assistance in a mature society, and (iii) responding to utilization of the vitality of communities and creation of attractive cities). It also makes good use of them in outside

activities undertaken in cooperation with government agencies, business committees and NPOs. In recent years, we have also been conducting research and surveys on employment for the elderly from the perspective of social welfare.

We advocate that active participation of senior citizens in society will be beneficial to not only themselves but also local communities, business operators, and local governments. We have been taking action with NPOs and other business partners while cooperating with administrative authorities, business operators, and other organizations.

In March 2024, we entered into an agreement with Osaka Prefecture to promote senior citizen's health, their employment to give them purpose in life, and other initiatives in the prefecture.

## Partnerships with Social Service Organizations

Local communities face many social issues, and these issues are becoming more advanced and complex. The Daigas Group regards the practitioners of "My Project = Starting to Solve Social Issues by Considering Them as if They Were My Own" as future partners in livening up communities in the Kansai region. The Group disseminates their activities to society and aims to collaborate with various stakeholders.

## Collaborative activities with NPOs, etc.

Social

Osaka Gas Network Co., Ltd., which is one of the Daigas Group companies, has been operating the online magazine "My Pro Showcase Kansai" jointly with the NPO Greenz since 2013 to introduce regional projects undertaken by Kansai-based "social designers" and nonprofit organizations. Outside Japan, Osaka Gas



USA Corporation (OGUSA), which develops and invests in natural gas and power generation projects, etc. in the U.S., works on social contribution activities, including reforestation projects in public parks.

### Efforts to realize an inclusive society

The Daigas Group member OGIS-RI Co., Ltd is running the Hajimaru-kun Personal Computer Donation Program. This program is a social contribution activity that aims to contribute to the environment through the reuse of PCs, support the employment of people with disabilities through the outsourcing of PC refurbishment work and provide IT support to the recipients of the PCs. Since this program started in 2009, it has donated 4,942 PCs (as of March 31, 2024) to social



PC recycling work at a welfare workshop

welfare organizations. In FY2024.3, the 14th Daigas Group Hajimaru-kun Personal Computer Donation Program donated 190 "Hajimaru-kun PCs" to 130 welfare facilities in six prefectures in the Kansai region, Japan.

#### Community contribution activities in collaboration with customers

Osaka Gas and Osaka Gas Marketing Co., Ltd. have been working with our customers to consider and support social issues in local communities through the implementation of "Social Design+," a project that supports social design leaders who are striving to solve



social issues on the membership-based website "My Osaka Gas," and of the "Let's Do Something Good for Our Society—Connecting Project."

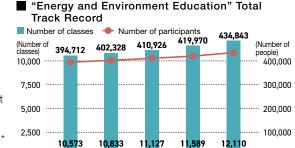
2024.3(FY) 0

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## **Contribution to Next-generation Education**

### **Energy and environment education**

Since FY2007.3, the Daigas Group employees and alumni traveled to elementary, junior and senior high schools to teach lessons on energy and the environment in order to help children think about and understand increasingly important environmental issues. The Group's instructors offer two programs, including Eco-Cooking.\*



2022.3

2023.3

In addition, Osaka Gas runs the Gas Science Museum (located

on the premises of the Senboku LNG Terminal) where visitors can learn about energy and the environment. In December 2022, its content was completely renewed to provide the latest information. The museum is also used by the general public for experimental learning programs at nearby elementary and junior high schools or local events.

2020.3

2021.3

0

In FY2024.3, the number of participants in energy and environment education was 14,873, and the number of times it was held was 521. \*Eco-Cooking is a registered trademark of Tokyo Gas Co., Ltd.

#### **Disaster response education**

In response to the increased need for disaster response education following the Tohoku earthquake and tsunami of 2011, we created an original textbook for an upper elementary school on the theme of disaster response Lessons in Disaster Response that we distribute to local elementary schools. The textbook teaches children about natural disasters in Japan. While studying it, children take a workshop designed to impart useful knowledge about the changes that take place in people's lives when a disaster strikes. The textbook also contains a checklist of items to prepare and things to do at home to prepare for emergencies. Over a period of ten years, the textbook has been used widely at junior high schools, high schools, and universities, as well as by local governments and local residents' associations. Over 260,000 textbooks in total have been distributed.



Left: Learning material for upper grades of elementary school (A4, 40 pages, full color) Right: Teacher handbook (with worksheets and supplementary teaching materials for the class, A4, 40 pages, full color)



"Lessons in Disaster Response," in which children learn in a workshop format how their lives can change during a disaster and useful knowledge for disaster preparedness

## **Contribution to Local Communities through Sports**

NOBY T&F CLUB, a track club led by Nobuharu Asahara, a Daigas Group employee and Beijing Olympics medalist, aims for the sound development of the next generation and creation of a new community through athletics and track and field.

Social

In addition to focusing on fostering top athletes by leveraging the experience and leadership of former Olympians and Japanese national team members for world championships, the club also offers courses aimed at improving the health of seniors.





NOBY T&F CLUB training program

held for more than 10 years and the instructional know-how are also used at municipal events or in school classes.

Furthermore, we disseminate information on tips for rich eating habits and body building that lead to good health through seminars, websites, and SNS.

## Corporate Volunteering Activities under the Small Light Campaign

As a corporate group that works together with local communities, the Daigas Group has always actively participated in local activities. The Small Light Campaign was launched in 1981, the UN International Year of Disabled Persons, as the Daigas Group's company volunteer effort. Based on donations made by group employees, we provide support for children in need of social care, employment support for people with disabilities, support for disaster-stricken areas, and support for employees' volunteering activities.

The Midosuji Fureai bazaar, an initiative to support the employment of people with disabilities, was held in cooperation with many partners, under the themes of health and disaster prevention and mitigation.



The Midosuji Fureai bazaar held for the first time in two years

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### Fund management

The Small Light Campaign gathers funds through various activities, including charity calendar donations and proceeds from the Midosuji Fureai bazaar, a used book bazaar, as well as donations from workplace groups, individuals, and the Suzurankai (Osaka Gas alumni) — all managed as the Small Light Fund. The money is used to support the activities of the Small Light Campaign, to support recovery in disaster-hit areas, and to donate items for social welfare or educational purposes, such as wheelchairs and picture books, to all municipalities served by Osaka Gas.



A charity calendar for raising donations from Daigas Group employees, alumni, other relevant parties and customers

To support areas affected by the 2024 Noto Peninsula Earthquake, we donated one million yen to the Japanese Red Cross Society and one million yen to the Central Community Chest of Japan.

The Fund's operating balance for FY2024.3 was 6,656 thousand yen in income and 9,654 thousand yen.

## Social contribution activities by employees with the mindset of the Small Light Campaign

Business activities of the Daigas Group are closely tied to the daily lives of everyone in the community. Our employees contribute to local communities as members of the community, or "good corporate citizens."

In addition to donating blood, collecting unused postcards and used stamps, and donating proceeds from sales of used books, we continue to participate in volunteer activities to support a citizen marathon race aimed at supporting regional revitalization.

The Daigas Group Social Contribution Club, which donates welfare points granted to employees by the company to social service organizations, donated a total of 2,326 million yen to six organizations in FY2024.3, along with the best wishes of the employees.

In FY2023.3, we launched the "Social Contribution Portal Website" to encourage participation in community contribution activities.



The Social Contribution Portal Website: an in-house bulletin board that provides employees with information on volunteer activities, etc.



To support the Osaka Marathon 2024, 79 employees participated in the event as volunteers.

## Activities by Public Interest Incorporated Foundations

## **Principle and Outline**

In order to further the welfare work that the Daigas Group has conducted as a company volunteer through the "Small Light Campaign," which was started in 1981 (the UN International Year of Disabled Persons) in a more planned and ongoing manner, 362 companies including Osaka Gas and affiliate companies, the associations comprised of contracted companies providing sales of gas appliances and other services, pipe working joined together in October 1985 to establish and fund the Osaka Gas Group Welfare Foundation in honor of Osaka Gas' 80th anniversary. The Foundation is involved in subsidizing local welfare activities for the elderly and surveys/research conducted by universities and medical institutions, and in promoting fitness efforts aimed at helping senior citizens maintain and improve their health.

In September 1992, the Osaka Gas International Exchange Foundation was founded and fully funded by Osaka Gas, and in October 2010 the Foundation was granted authorization by the Cabinet Office to transition into a public interest incorporated foundation. The Foundation now works to deepen mutual understanding with natural gas producing countries and to contribute international goodwill through the foundation's activities.

## Assisting the Elderly - The Osaka Gas Group Welfare Foundation

Set up in 1985 through the contribution of Daigas Group companies, the Osaka Gas Group Welfare Foundation operates in six prefectures of the Kansai region, mainly engaging in (1) funding welfare projects, (2) researching and surveying the elderly population and (3) supporting health-promotion projects to help maintain and improve the health of the elderly.

In FY2024.3, the Foundation provided 6.90 million yen in subsidies to 61 welfare projects for the elderly, and 8.88 million yen in subsidies to 13 investigation and research projects, and carried out 108 health-promotion projects involving 4,742 participants.



Health-promotion project: Gathering for health promotion



Subsidy for the welfare of the elderly: Subsidy for farm tools for agricultural workshop courses

#### Results of each activity (cumulative total from FY1986.3-FY2024.3)

(1) Funding to Enhance the Welfare of the Elderly	3,106 cases
(2) Funding for Research and Surveys	671 cases
(3) Health-promotion project	6,210 times

697.90 million yen
448.88 million yen
448,532 participants

## Distribution of "Health Seminar for the **Elderly**" on YouTube

Social

In conjunction with the renewal of our website in FY2022.3, we have created the video content "Health Seminar for the Elderly" and have started distributing it on YouTube.

We will continue to annually distribute content that can be used for health promotion in the elderly.



Video content "Health Seminar for the Elderly'

## Stakeholder Comment

## **Appreciation for the Cooperation** with Health Promotion Activities



Mr. Yoshitaka Kanda, Secretary General, Nara City Federation of Perennial Youth Clubs

In Nara City, senior citizens' clubs are called perennial youth clubs.

Perennial youth clubs are membership-based organizations that engage in liberal arts enhancement, health enhancement, voluntary social services, and other activities to make senior citizens' lives healthy and fulfilling. Anyone roughly 60 years of age or older can join a club nearby.

The clubs form the Nara City Federation of Perennial Youth Clubs to engage in a variety of activities.

In fiscal 2020, we held cooking seminars for health promotion with the cooperation of the Osakagasgroup Welfare Foundation (the Foundation). This deepened interactions between members and drove forward health promotion activities. In fiscal 2023, we held gatherings for health promotion, which are free, on-site seminars, featuring laughing and physical exercise. The well-received seminars were held at four different venues in Nara City to prevent infection of COVID-19. In fiscal 2023, gatherings for health promotion were held again at four venues, featuring popular song aerobics. Many members actively participated in the gatherings.

Gatherings for health promotion and other health promotion programs by the Foundation which take place at local communities where senior citizens actually live, have been greatly helpful in facilitating our clubs' health promotion activities. They were also well received by a total of more than 2,500 members who participated in years up to fiscal 2024. I would like to express my heartfelt gratitude to the cooperation of the Foundation.

I understand that the Foundation will mark the 40th anniversary next year. I would appreciate the continued support and cooperation from the Foundation, and wish for the further development of the Daigas Group.

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## **Doing Our Part on the International Scene** - The Osaka Gas Foundation of International Cultural Exchange

## Deepening friendship and mutual understanding with natural gas-producing countries

The Osaka Gas Foundation of International Cultural Exchange the Foundation provides aid services to promote mutual understanding with natural gas-producing countries in Southeast Asia and Oceania as well as contribute to international goodwill. In FY2024.3, the Foundation provided a total of approximately 13.72 million ven in aid to Indonesia, including grants for educational equipment to elementary and junior high schools, scholarships for 285 students, research grants in the energy and environment fields for three universities, and a short-term training program in Japan for two graduate students. For Malaysia, the Foundation provided a total of approximately 7.55 million yen in subsidies, such as English education assistance, experimental research grants, and scholarships to 12 university students. For East Timor, the Foundation provided a total of approximately 4.24 million ven in scholarships to 60 university students.

In the 31 years since the establishment, the Foundation has provided subsidies totaling 615.49 million yen, scholarships to 10,851 students, and grants for 453 research themes.

In FY2024.3, an online exchange between students in Indonesia and the Kansai area took place as a new initiative.

We will continue to launch new activities and expand the scope of support.



families at the presentation ceremony

at National University of East Timor

Courtesy call to Universiti scholarship recipients and their



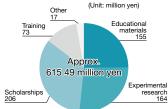
Malaysia Sarawak

Kuala University in Indonesia and

#### Scope of Funding



## Total Assistance Provided from FY1993.3 though FY2024.3



The Osaka Gas Foundation of International Cultural Exchange

(unit: thousand yen)

## Grant Disbursement (single-year base)

#### FY2019.3 FY2020.3 FY2021.3 FY2022.3 FY2023.3 FY2024.3 Educational materials 1,878 1.873 1,760 1,973 2.115 2,410 Experimental research 5,401 5,172 5,049 5,332 6,935 7,176 Scholarships 6,558 8,092 7,737 8,512 9,564 12,589 Training 3,212 3,175 371 313 3,281 3,331 14,917 Total 17,049 18,311 16,129 21,895 25,506

