

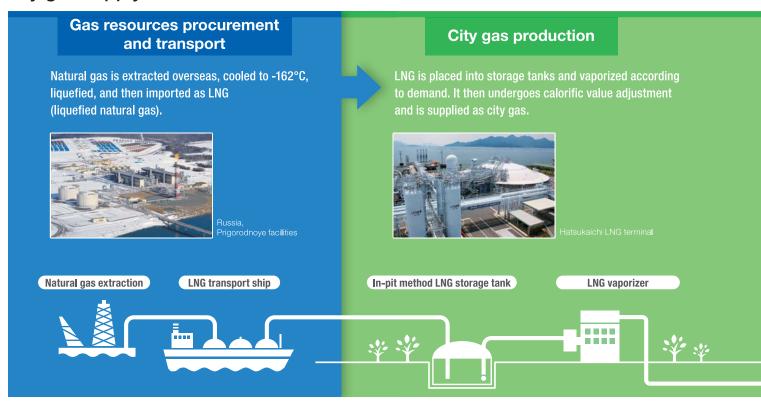
Corporate Social Responsibility Report

Digest

Working toward a sustainable society

How is natural gas delivered to customers?

City gas supply flowchart



Service area and organization

Head office 2-7-1, Minamimachi, Minami-ku,

ddress: Hiroshima

TEL: 082-251-2151 (Switchboard)

Established: October 1909

Capital: 5.181 billion yen

Number of 6

employees:

Business 1. Gas business field: 2. Sales of gas a

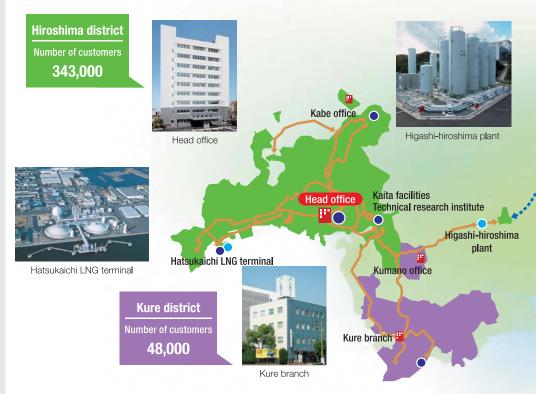
2. Sales of gas appliances3. Sales of liquefied natural gas

(As of March 31, 2015)

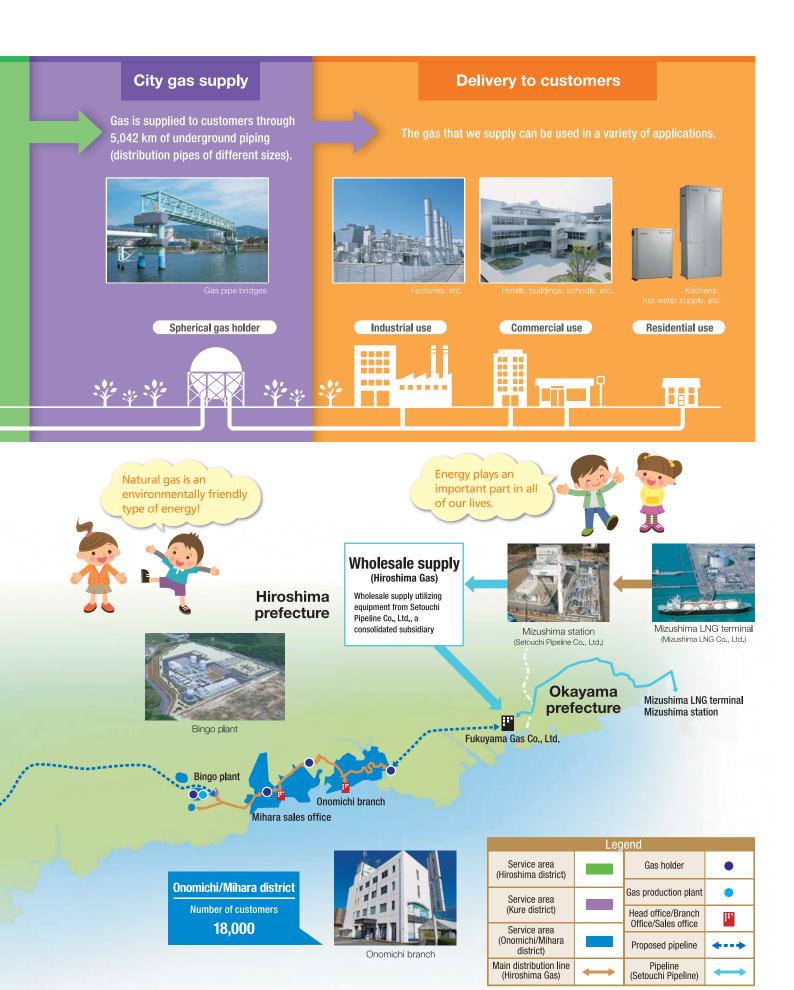


Service area (6 cities and 4 towns in Hiroshima prefecture)

Cities: Hiroshima, Kure, Onomichi, Mihara, Hatsukaichi, Higashi-hiroshima Towns: Aki-gun Kaita-cho, Saka-cho, Fuchu-cho, Kumano-cho Number of customers 409.000



Digest



What type of energy is environmentally friendly natural gas?

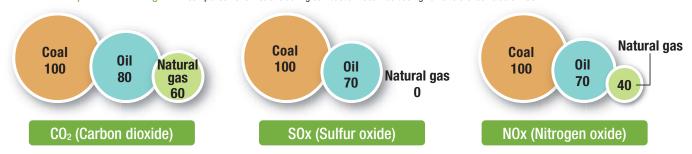
Characteristics of Natural Gas

Natural gas is a type of fossil fuel that was created when ancient flora and fauna was buried underground for many thousands of years. It is mainly composed of methane which has a small amount of carbon.

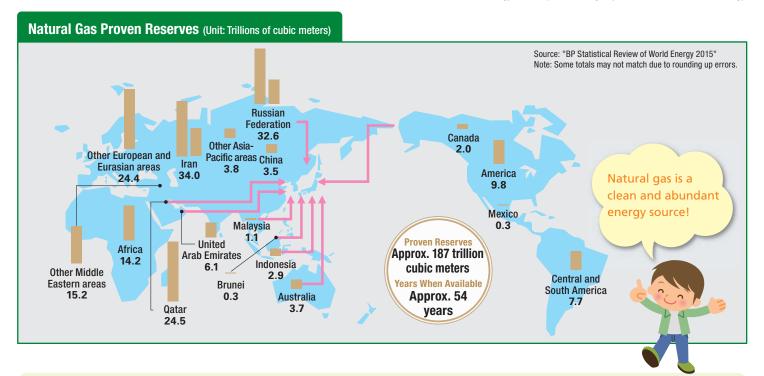
This means that it is a relatively clean form of energy that emits only a small amount of CO₂ or other pollutants during combustion.

Unlike oil which is mainly concentrated in the Middle East, natural gas is distributed all around the world and has excellent supply stability.

Environmental impact of natural gas A comparison of emissions during combustion. Coal has been given a reference value of 100.



Source: "Energy White Paper 2013", Agency for Natural Resources and Energy



Supply Stability

Natural gas is abundant around the world. We import LNG (liquefied natural gas) extracted, refined, and liquefied in areas such as Indonesia and Russia (Sakhalin), and receive it at our Hatsukaichi LNG terminal. With the improvement of mining technology in recent years, unconventional natural gas sources that have traditionally been difficult to extract such as shale gas, coal bed methane, and tight sand gas are now able to be produced and stable supply is expected.

In addition, there are methane hydrate deposits in the coastal waters of Japan equivalent to around 100 years worth of Japan's annual consumption amount. Government-led initiatives for development of these resources are currently being carried out.

Composition of City Gas

We use liquefied natural gas to produce city gas which is delivered to customers through the gas piping network.

Characteristics of City Gas

Composition and content (Natural gas service area)

Co	omponents	Composition			
Name	Chemical formula	% (By volume)			
Methane	CH4	91			
Ethane	C2H6	5			
Propane	СзНв	2			
Butane	C4H10	2			

Gas type	13A	
Standard calorific value	45MJ/m³	
Specific gravity (Air = 1)	0.638	
CO ₂ emission coefficient	2.29kg-CO ₂ /m ³	

Note: Gas composition shows a representative value.

What activities is Hiroshima Gas actively involved in?

Management field

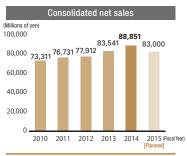
Delivering safe, stable, and clean natural gas

Company performance information

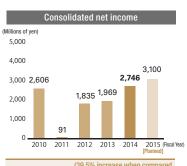
Five consecutive years of revenue growth, and three consecutive vears of recurring profits

Due to an increase in the unit sales price based on the gas cost adjustment system, sales in FY2014 totaled 88,851 million yen. This is an increase of 5,309 million yen when compared with the previous fiscal year.

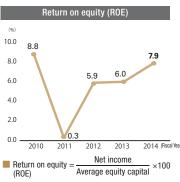
In regard to profits, ordinary income were 4,699 million yen and net income was 2,746 million yen. When compared with the previous fiscal year, this was an increase of 1,464 million yen and 777 million yen respectively.

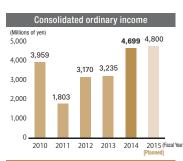






(39.5% increase when compared 2,746 million yen





4,699 million yen





Employee fields of expertise

>>> Production field

system has been put and secure manner.



City gas is produced at the Hatsukaichi LNG terminal, the Bingo plant, and the Higashi-hiroshima plant. Liquefied natural gas reception and the entire gas production process at these locations are tightly controlled via the central control room.

By carrying out daily equipment inspection, periodic maintenance and emergency response drills, we have achieved a system that can safely and efficiently produce city gas.





Equipment inspection

>>> Supply and distribution field

In order to safely and reliably supply customers with city gas produced in our factory, our central monitoring control room constantly monitors the gas pressure and supply state. To ensure adequate response in an emergency situation, we have established a system that allows quick 24-hour response and dispatch even during night hours and holidays.







Security center

Gas piping work

>>> Business field

Central monitoring control room

We have established a system to allow more customers to safely and reliably use environmentally friendly natural gas.





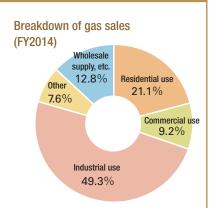
Meetings with developers

Fuel cell maintenance

Gas sales trends and average growth rate

Note: Sales volume figures are rounded down to the meters. This may cause small discrepancies in the grand total value.

(Unit: Thousands of cubic meters, 45MJ/m³ conversion						MJ/m³ conversion)
	FY2010	FY2011	FY2012	FY2013	FY2014	Average growth rate
Residential use	108,191	107,654	105,486	103,130	103,866	△1.0%
Commercial use	51,777	49,303	48,244	47,728	45,389	△3.2%
Industrial use	275,352	273,683	262,078	258,695	242,213	△3.2%
Other	39,326	37,883	37,857	38,890	37,264	△1.3%
Total	474,648	468,525	453,666	448,445	428,733	△2.5%
Wholesale supply, etc.	54,799	55,628	60,142	61,292	62,918	3.5%
Grand total	529,448	524,153	513,808	509,737	491,651	△1.8%



Environmental field clean natural gas

Actively working toward the expansion of clean natural gas

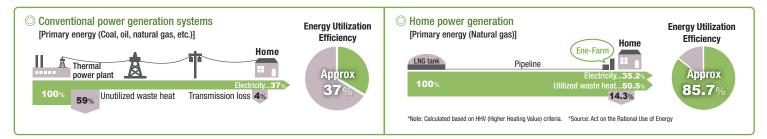
Promotion of high-efficiency natural gas applications

Rather than simply generating heat, natural gas can be used in gas cogeneration systems, highly efficient gas equipment, and natural gas vehicles. It can be used in a wide range of applications such as power generation, air conditioning and automobiles.

Utilization rate of energy supplied to the home

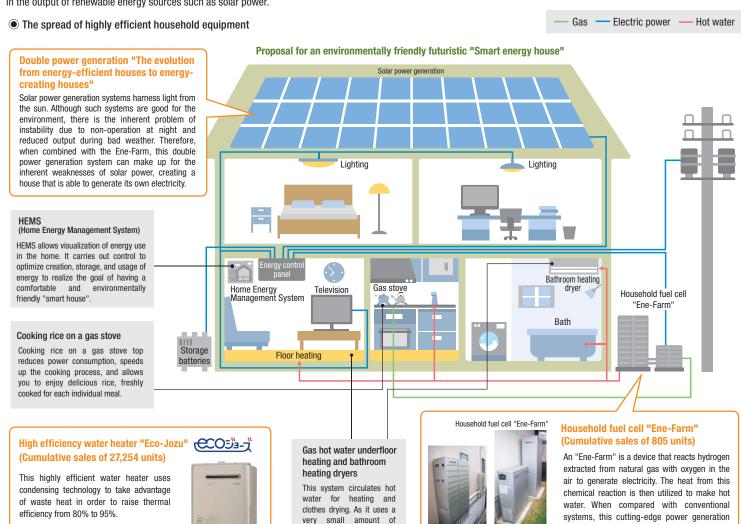
High efficiency water heater "Eco-Jozu"

Generating power at the home eliminates transmission losses and the resultant heat can be utilized for heating water. This provides an energy utilization efficiency of approximately 85.7% (power generation: 35.2%, heat utilization: 50.5%).



Residential use

While working to spread the use of natural gas, we are creating initiatives that can further conserve energy and reduce CO₂ to improve the standard of living for all people. These initiatives include promoting the full utilization of energy, promoting multi-energy systems to meet the needs of customers, and using natural gas to compensate for fluctuations in the output of renewable energy sources such as solar power.



electricity, it can significantly

reduce peak power usage.

Made by company "P'

Made by company "T'

and water heating system is able to reduce

annual CO2 emissions by around 1.2t.

Industrial use

Around 50% of our natural gas sales are for industrial customers. The transition from oil-based fuel to natural gas enables a 25% reduction in CO₂ emissions.

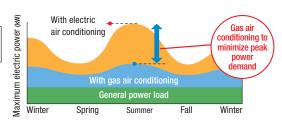


Commercial use

Promotion of gas heat pumps (GHP) and gas natural chillers

Gas heat pumps and gas natural chillers for gas-powered air conditioning systems can help save power. This has a big impact in cutting summer and winter peak power demand.

Power consumption leveling due to GHP (Image)



Natural gas vehicles for city driving







Natural gas bus



Gas heat pump (GHP)



Gas natural chiller

Social field We cherish the connections with our community.

Relationship with local communities

Commitment to the next generation of education

We teach children the characteristics of natural gas and the importance of the environment in a fun and easy to understand manner.





Excursion classes for kids

Science show

For elementary and junior high school students

Technical research institute science experiment lessons For elementary, junior and senior high school students

Eco-cooking* classes

O Fire safety classes

Tasting classes

For kindergarten and elementary school students Note: "Eco-cooking" is a registered trademark of Tokyo Gas Co., Ltd.

Promotion of arts, culture, community, and sports

We have a strong relationship with the city of Hiroshima and conduct a wide range of social contribution activities.

We are striving to realize a sustainable society.

• Holding the 28th Hiroshima symphony orchestra concert



Concert stage

Participating in the Hiroshima flower festival



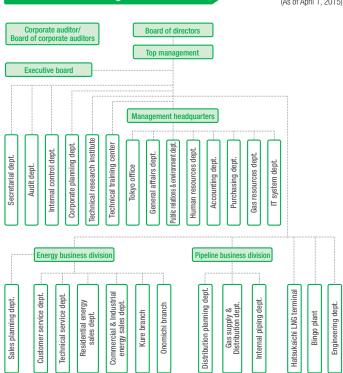
Hiroshima flower festival "Gasland" booth

Management philosophy

Aiming to be a company that earns the trust of society

Hiroshima Gas organizational chart

(As of April 1, 2015)



Showroom

Experience the latest gas equipment and a warm living provided by gas.

Examples of exhibition equipment

- Household fuel cell "Ene-Farm"Household cogeneration "Eco-will"
- Floor heating and bathroom heater comparison rooms
 Mist sauna experience room
- Try it! Kitchen activities (Kitchen comparison) Solar power generation

Gastopia Itsukaichi Gastopia Center



[Contact] 1-30, Minamitakeya-cho, Naka-ku, Hiroshima TEL: 082-240-8888



[Contact] 2-7-43, Kairoen, Saeki-ku, Hiroshima TEL: 082-923-5678

Gastopia Onomichi

[Contact] 3-2, Tenma-cho, Onomichi TEL: 0848-22-2104

Regional service representatives

Gas shop

•				
Gas shop business hours: 9am to 7pm (Monday to Saturday) * The Mihara shop is closed on Saturday.				
1 Fuchu Gas Shop	3-4-26, Hamada, Fuchu-cho, Aki-gun TEL: 082-282-3359			
2 Ujina Gas Shop	2-12-19, Ujinakanda, Minami-ku, Hiroshima TEL: 082-253-1261			
3 Itsukaichi Gas Shop	2-7-43, Kairoen, Saeki-ku, Hiroshima TEL: 082-922-3670			
4 Furue Gas Shop	6-4, Furueshinmachi, Nishi-ku, Hiroshima TEL: 082-272-0050			
5 Takanobashi Gas Shop	5-10-19, Otemachi, Naka-ku, Hiroshima TEL: 082-243-7520			
6 Hakushima Gas Shop	17-17, Higashi-hakushima-cho, Naka-ku, Hiroshima TEL: 082-228-1000			
7 Gion Gas Shop	5-13-1, Nishihara, Asaminami-ku, Hiroshima TEL: 082-850-3505			
8 Koyo Gas Shop	1-3-10, Ochiaiminami, Asakita-ku, Hiroshima TEL: 082-842-4433			
9 Kure Gas Shop	1-6-16, Chuo, Kure TEL: 0823-23-5050			
10 Onomichi Gas Shop	3-2, Tenma-cho, Onomichi TEL: 0848-22-4378			
11 Mihara Gas Shop*	2-7-5, Shiromachi, Mihara TEL: 0848-62-7108			
12 Kabe Gas Shop	9-13-7, Kameyama, Asakita-ku, Hiroshima TEL: 082-814-3322			
13 Saijo Gas Shop	225-1, Shimominaga, Saijo-cho, Higashi-hiroshima TEL: 082-420-6770			
14 Aki Gas Shop	3-1-14, Funakoshiminami, Aki-ku, Hiroshima TEL: 082-821-1055			

Gastopia Gion



[Contact] 5-13-1, Nishihara, Asaminami-ku, Hiroshima TEL: 082-850-3506

Gastopia Kure

TEL: 082-821-1055



[Contact] 1-6-16, Chuo, Kure TEL: 0823-22-1234

Gastopia Aki

[Contact] 3-1-14, Funakoshiminami, Aki-ku, Hiroshima TEL: 082-821-1130

Overview of main subsidiaries

(As of March 31, 2015)

HIROSHIMA GAS PROPANE Co., Ltd.

Capital: 300 million yen Established: March 1969 Sales: 12,522 million yen Number of employees: 91

RUNET Co., Ltd. Capital: 30 million ven Established: October 2000 Sales: 454 million yen Number of employees: 8

HIROSHIMA GAS TECHNO-SERVICE Co., Ltd.

Capital: 80 million yen Established: June 1998 Sales: 9,592 million yen Number of employees: 195

BE-SMILE Co., Ltd.

Capital: 50 million ven Established: June 2001 Sales: 209 million yen Number of employees: 44 HIROSHIMA GAS MATE Co., Ltd.

Established: April 1975 Capital: 20 million yen Sales: 1,074 million yen Number of employees: 157

SETOUCHI PIPELINE Co., Ltd.

Capital: 150 million yen Established: May 2003 Sales: 1,177 million yen Number of employees: 8

Published