

Environmental Data

		Fiscal year		FY2013	FY2014	FY2015			
		Fiscal year (Japanese calendar)		(H25)	(H26)	(H27)			
Customer	Customer	Number of customers		410,353	409,185	408,490			
	Air	CO ₂ emissions from customers	Emissions amount (t-CO ₂)	1,167,298	1,125,881	1,106,118			
			Reduction amount (t-CO ₂)	192,074	186,747	185,358			
Related to business activities	Materials and products	Amount of LNG raw materials (thousands of t)		364.9	353.6	346.2			
			Amount of LPG raw materials (thousands of t)		1.2	1.1	1.0		
			Amount of LPG for heating (thousands of t)		17.3	16.7	16.9		
			Gas sales volume (millions of m ³)	Including wholesale supply	509.7	491.7	483.0		
				Excluding wholesale supply	448.4	428.7	422.6		
		Gasification efficiency (%)		99.6	99.4	99.5			
	Energy	Purchased power consumption amount (thousands of kWh)	Production	1,695	2,272	1,582			
			Office	3,183	3,031	3,215			
			Total	4,878	5,303	4,797			
			Hiroshima Gas Group (Six main companies)	1,892	1,766	1,430			
		City gas consumption amount (thousands of m ³)	Production	6,785	6,724	5,593			
			Office	315	280	282			
			Total	7,100	7,004	5,875			
		Hiroshima Gas Group (Six main companies)	277	309	265				
	Water	Water consumption amount (thousands of m ³)	Production	23.2	22.1	21.7			
			Office	21.1	20.6	21.4			
			Total	44.3	42.7	43.1			
			Hiroshima Gas Group (Six main companies)	12.6	12.2	11.8			
	Paper	Number used (thousands of sheets)		3,887	4,587	4,603			
	Air and water quality	City gas production CO ₂	Emissions amount (t-CO ₂)	20,167	19,542	18,733	*1		
			Emissions unit (g-CO ₂ /m ³)	44.5	47.5	46.1	*1		
			Reduction amount (t-CO ₂)	331,777	319,915	313,956	*1		
			NOx	Emissions amount (t)	15.0	11.7	17.8		
		Methane	Emissions amount (t-CH ₄)	18	16	17			
			Office CO ₂	Emissions amount (t-CO ₂)	3,356 (2,797)	3,188 (2,691)	3,292 (2,807)	*1	
			Emissions unit (g-CO ₂ /m ³)	6.6 (5.5)	6.5 (5.5)	6.8 (5.8)	*1		
		Waste, etc.	General waste	Generation amount (t)	85.3	101.2	88.5		
Recycled amount (t)				69.5	85.8	74.4			
Recycling rate (%)				81.4	84.8	84.0			
External emissions amount (t)	15.8			15.4	14.1				
	Hiroshima Gas Group (Six main companies)								
	Generation amount (t)			27.0	28.9	25.0			
	Recycled amount (t)			23.7	22.0	19.3			
	Recycling rate (%)			87.7	76.0	76.9			
	External emissions amount (t)			3.3	7.0	5.7			
	Industrial waste (Plant)			Generation amount (t)	2.7	4.9	2.7		
	Reduction/recycled amount (t)		2.5	4.6	2.5				
	Reduction/recycling rate (%)		92.6	93.9	92.6				
	Final disposal amount (t)		0.2	0.2	0.2				
	Industrial waste (Office)		Generation amount (t)	130.4	220.6	199.7			
	Reduction/recycled amount (t)		107.0	200.1	175.4				
	Reduction/recycling rate (%)		82.0	90.7	88.1				
	Final disposal amount (t)		23.4	20.5	23.7				
	Industrial waste (Group)		Hiroshima Gas Group (Six main companies)						
	Generation amount (t)		27,054.0	28,363.0	27,913.5				
	Reduction/recycled amount (t)		26,765.6	28,031.7	27,618.1				
	Reduction/recycling rate (%)		98.9	98.8	98.9				
	Final disposal amount (t)		288.3	331.3	295.4				
	Polyethylene pipes		Generation amount (t)	7.7	7.2	7.9			
	Recycled amount (t)		7.7	7.2	7.9				
	Recycling rate (%)		100.0	100.0	100.0				
	Cast iron and steel pipes		Generation amount (t)	172.5	234.8	160.6			
			Recycled amount (t)	172.5	234.8	160.6			
		Recycling rate (%)	100.0	100.0	100.0				
	Earth and sand associated with gas piping work	Generation amount (thousands of t)	93	125.9	116.8				
		Reduction amount (thousands of t)	87	103.2	84.2				
		Reduction rate (%)	48.3	45.1	41.9				
		Recycled amount (thousands of t)	92	125.9	116.4				
	Recycling rate (%)	99.6	100.0	99.6					
Natural gas vehicles	Number used (units)	Passenger vehicle	401	415	424				
		Truck	431	432	442				
		Waste truck	57	60	63				
		Bus	64	64	64				
		Total	953	971	993				
		Internal procurement number (units)	204	207	207				
		Green procurement	Procurement rate (%)	46.1	47.7	39.8			
CO₂ emission coefficient	City gas	13A	(kg-CO ₂ /m ³ N)	2.29	2.29	2.29	*2		
		Purchased power	Heating power average value (marginal power supply)	(kg-CO ₂ /kWh)	0.690	0.690	0.690		
		Chugoku Electric Power Co., Inc. actual emission factor	(kg-CO ₂ /kWh)	0.738	0.719	0.706			
		Light oil	(kg-CO ₂ /liter)	2.58	2.58	2.58			
		Kerosene	(kg-CO ₂ /liter)	2.49	2.49	2.49			

*1 The Chugoku Electric Power Co., Inc. actual emission factors are adopted for the purchased power CO₂ emission factors. (2013: 0.738kg-CO₂/kWh 2014: 0.719kg-CO₂/kWh 2015: 0.706kg-CO₂/kWh)
Items in parentheses use the conventional average value of 0.555kg-CO₂/kWh.

*2 Calculated from the typical composition of our city gas (13A).