

Environmental Data

			Fiscal year	FY2012	FY2013	FY2014		
Customer use	Customer	Number of customers		412,793	410,353	409,185		
	Air	CO ₂ emissions from customers	Emissions amount (t-CO ₂)	1,176,620	1,167,298	1,125,881		
			Reduction amount (t-CO ₂)	190,564	192,074	186,747		
Related to business activities	Materials and products		Amount of LNG (thousands of t)	346.7	364.9	353.6		
			Amount of LPG (thousands of t)	1.3	1.2	1.1		
			Amount of calorie adjustment LPG (thousands of t)	17.7	17.3	16.7		
			Gas sales volume (millions of m ³)	Including wholesale supply	513.8	509.7	491.7	
				Excluding wholesale supply	453.7	448.4	428.7	
	Gasification efficiency (%)		99.5	99.6	99.4			
	Energy	Purchased power consumption amount (thousands of kWh)	Production	1,973	1,695	2,272		
			Office	3,054	3,183	3,031		
			Total	5,027	4,878	5,303		
			Hiroshima Gas Group (Six main companies)	1,907	1,892	1,766		
		City gas consumption amount (thousands of m ³)	Production	6,915	6,785	6,724		
			Office	332	315	280		
			Total	7,247	7,100	7,004		
			Hiroshima Gas Group (Six main companies)	294	277	309		
	Water	Water consumption amount (thousands of m ³)	Production	22.1	23.2	22.1		
			Office	22.0	21.1	20.6		
			Total	44.1	44.3	42.7		
			Hiroshima Gas Group (Six main companies)	12.7	12.6	12.2		
	Paper	Number used (thousands of sheets)		4,346	3,887	4,587		
	Air and water quality	City gas production CO ₂	Emissions amount (t-CO ₂)	20,404	20,167	19,542	*1	
			Emissions unit (g-CO ₂ /m ³)	44.5	44.5	47.5	*1	
			Reduction amount (t-CO ₂)	334,351	331,777	319,915	*1	
			NOx	Emissions amount (t)	22.6	15.0	11.7	
		Methane	Emissions amount (t-CH ₄)	16	18	16		
			Office CO ₂	Emissions amount (t-CO ₂)	3,120 (2,807)	3,356 (2,797)	3,188 (2,691)	*1
			Emissions unit (g-CO ₂ /m ³)	6.1 (5.5)	6.6 (5.5)	6.5 (5.5)	*1	
		Waste, etc.	General waste	Generation amount (t)	86.7	85.3	101.2	
	Recycled amount (t)			66.7	69.5	85.8		
	Recycling rate (%)			77.0	81.4	84.8		
	External emissions amount (t)			20.0	15.8	15.4		
	Hiroshima Gas Group (Six main companies)			Generation amount (t)	26.5	27.0	28.9	
				Recycled amount (t)	23.4	23.7	22.0	
				Recycling rate (%)	88.3	87.7	76.0	
External emissions amount (t)				3.1	3.3	7.0		
Industrial waste (Plant)	Generation amount (t)			3.5	2.7	4.9		
	Reduction/recycled amount (t)			3.2	2.5	4.6		
	Reduction/recycling rate (%)		93.2	92.6	93.9			
	Final disposal amount (t)		0.2	0.2	0.2			
Industrial waste (Office)	Generation amount (t)		160.3	130.4	220.6			
	Reduction/recycled amount (t)		133.6	107.0	200.1			
	Reduction/recycling rate (%)		83.4	82.0	90.7			
	Final disposal amount (t)		26.6	23.4	20.5			
Industrial waste (Group)	Hiroshima Gas Group (Six main companies)							
	Generation amount (t)		27,458.9	27,054.0	28,363.0			
	Reduction/recycled amount (t)		27,048.6	26,765.6	28,031.7			
	Reduction/recycled amount (%)		98.5	98.9	98.8			
Gas polyethylene pipes	Final disposal amount (t)		410.3	288.3	331.3			
	Generation amount (t)		9.9	7.7	7.2			
	Recycled amount (t)		9.9	7.7	7.2			
Recycling rate (%)			100.0	100.0	100.0			
	Cast iron and steel pipes		Generation amount (t)	139.0	172.5	234.8		
			Recycled amount (t)	139.0	172.5	234.8		
Recycling rate (%)			100.0	100.0	100.0			
Earth and sand associated with gas piping work	Generation amount (thousands of t)		128	93	126			
	Reduction amount (thousands of t)		79	87	103			
	Reduction rate (%)		38.3	48.3	45.1			
	Recycled amount (thousands of t)		127	92	126			
	Recycling rate (%)		98.8	99.6	100.0			
	Natural gas vehicles		Number used (units)					
		Passenger vehicle	394	401	415			
		Truck	418	431	432			
		Waste truck	55	57	60			
		Bus	64	64	64			
		Total	931	953	971			
Internal procurement number (units)		203	204	207				
Green procurement	Procurement rate (%)		58.0	46.1	47.7			
CO₂ emission coefficient	City gas	13A	(kg-CO ₂ /m ³ N)	2.29	2.29	2.29	*2	
		Total power supply average value	(kg-CO ₂ /kWh)	-	-	-		
	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)	0.657	0.738	0.719		
		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. (2012: 0.657kg-CO₂/kWh 2013: 0.738kg-CO₂/kWh 2014: 0.719kg-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).