

Environmental Data

			FY2017	FY2018	FY2019			
Customer	Customer	Number of customers	411,080	412,574	414,396			
	Air	CO ₂ emissions from customers	Emissions amount (t-CO ₂)	1,188,824	1,335,093	1,365,358		
Related to business activities	Materials and products	Amount of LNG raw materials (thousands of t) <Hatsukaichi LNG terminal>		356.9	415.6	410.9		
		Gas sales volume (millions of m ³)	Including wholesale supply	519.1	583.0	596.2		
			Excluding wholesale supply	460.2	505.8	489.6		
		Gasification efficiency (%)		99.0	98.8	98.8		
	Energy	Purchased power consumption amount (thousands of kWh)	Production	3,823	4,300	3,955		
			Office	3,423	3,569	3,359		
			Total	7,246	7,869	7,314		
			Hiroshima Gas Group (Six main companies)	1,366	1,316	1,383		
		City gas consumption amount (thousands of m ³)	Production	8,540	8,969	5,624		
			Office	328	345	335		
	Total		8,868	9,314	5,959			
		Hiroshima Gas Group (Six main companies)	252	226	250			
	Water	Water consumption amount (thousands of m ³)	Production	18.6	17.2	19.2		
			Office	21.1	22.4	21.0		
			Total	39.7	39.6	40.2		
			Hiroshima Gas Group (Six main companies)	11.3	10.7	10.3		
	Paper	Number used (thousands of sheets)	4,738	4,498	4,453			
	Air and water quality	City gas production CO ₂	Emissions amount (t-CO ₂)	20,998	22,757	14,797		
			Emissions unit (g-CO ₂ /m ³)	47.8	47.3	31.4		
			NOx	Emissions amount (t)	34.6	16.8	16.9	
			Methane	Emissions amount (t-CH ₄)	11	26	9	
		Office CO ₂	Emissions amount (t-CO ₂)	3,478	3,500	3,164	*1	
			Emissions unit (g-CO ₂ /m ³)	6.7	6.0	5.3		
	Waste, etc.	General waste	Generation amount (t)	79.3	83.3	83.5		
			Recycled amount (t)	66.1	65.7	71.9		
			Recycling rate (%)	83.4	78.9	86.1	*1	
			External emissions amount (t)	13.2	17.6	11.6		
			Hiroshima Gas Group (Six main companies)					
				Generation amount (t)	31.8	30.0	34.1	
			Recycled amount (t)	23.3	21.7	26.6		
			Recycling rate (%)	73.3	72.4	78.0		
			External emissions amount (t)	8.5	8.3	7.5		
Industrial waste (Plant)		Generation amount (t)	2.5	3.4	2.7			
		Reduction/recycled amount (t)	2.3	3.2	2.5			
		Reduction/recycling rate (%)	92	94	93			
		Final disposal amount (t)	0.2	0.2	0.2			
Industrial waste (Office)		Generation amount (t)	142.4	167.6	190.2			
		Reduction/recycled amount (t)	119.4	126.2	154.3			
		Reduction/recycling rate (%)	83.9	75.3	81.1			
		Final disposal amount (t)	23.0	41.4	35.9			
Industrial waste (Group)		Hiroshima Gas Group (Six main companies)						
		Generation amount (t)	27,071	21,504	30,799			
		Reduction/recycled amount (t)	26,783	21,274	30,766			
		Reduction/recycled amount (%)	98.9	98.9	99.9			
		Final disposal amount (t)	288	230	33			
Polyethylene pipes		Generation amount (t)	11.5	7.3	7.2			
		Recycled amount (t)	11.5	7.3	7.2			
		Recycling rate (%)	100.0	100.0	100.0			
Cast iron and steel pipes		Generation amount (t)	221.3	171.2	161.2			
		Recycled amount (t)	221.3	171.2	161.2			
		Recycling rate (%)	100.0	100.0	100.0			
Earth and sand associated with gas piping work		Generation amount (thousands of t)	121.5	105.1	104.2			
		Reduction amount (thousands of t)	96.4	90.9	88.5			
		Reduction rate (%)	44.2	46.4	45.9			
		Recycled amount (thousands of t)	120.4	104.2	104.1			
	Recycling rate (%)	99.1	99.1	99.9				
Green procurement	Procurement rate (%)	41.8	46.7	43.0				
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)	0.691	0.669	0.618		
	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.
(2017: 0.691kg-CO₂/kWh 2018: 0.669kg-CO₂/kWh 2019: 0.618kg-CO₂/kWh)

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