# Environmental Data

| | | | | FY2020 | FY2021 | FY2022 | |
|---|---|---|---|---|---|---|---|
| **Customer** | Customer | Number of customers | | 415,500 | 416,788 | 417,252 | |
| | Air | $CO_2$ emissions from customers | Emissions amount (t-$CO_2$) | 1,305,110 | 1,296,650 | 1,145,515 | |
| **Related to business activities** | Materials and products | Amount of LNG raw materials (thousands of t) <Hatsukaichi LNG terminal> | | 354.8 | 407.3 | 322.1 | |
| | | Gas sales volume (millions of m³) | Including wholesale supply | 569.9 | 566.2 | 500.2 | |
| | | | Excluding wholesale supply | 479.6 | 473.8 | 424.0 | |
| | | Gasification efficiency (%) | | 99.6 | 99.6 | 99.6 | |
| | Energy | Purchased power consumption amount (thousands of kWh) | Production | 3,952 | 3,604 | 3,688 | |
| | | | Office | 3,427 | 3,348 | 3,317 | |
| | | | Total | 7,379 | 6,952 | 7,005 | |
| | | | Hiroshima Gas Group (Six main companies) | 1,573 | 1,633 | 1,632 | |
| | | City gas consumption amount (thousands of m³) | Production | 5,402 | 5,530 | 4,739 | |
| | | | Office | 355 | 379 | 395 | |
| | | | Total | 5,757 | 5,909 | 5,134 | |
| | | | Hiroshima Gas Group (Six main companies) | 298 | 323 | 341 | |
| | Water | Water consumption amount (thousands of m³) | Production | 16.9 | 18.3 | 17.6 | |
| | | | Office | 24.2 | 16.8 | 17.8 | |
| | | | Total | 41.1 | 35.1 | 35.4 | |
| | | | Hiroshima Gas Group (Six main companies) | 12.7 | 14.1 | 14.3 | |
| | Paper | Number used (thousands of sheets) | | 4,193 | 3,135 | 2,460 | |
| | Air and water quality | City gas production $CO_2$ | Emissions amount (t-$CO_2$) | 14,095 | 13,742 | 12,100 | |
| | | | Emissions unit (g-$CO_2$/m³) | 30.7 | 30.3 | 30.0 | |
| | | NOx | Emissions amount (t) | 21.1 | 16.8 | 11.2 | |
| | | Methane | Emissions amount (t-$CH_4$) | 10 | 10 | 7 | |
| | | Office $CO_2$ | Emissions amount (t-$CO_2$) | 3,092 | 3,010 | 2,975 | *1 |
| | | | Emissions unit (g-$CO_2$/m³) | 5.4 | 5.3 | 5.9 | |
| | Waste, etc. | General waste | Generation amount (t) | 93.5 | 74.4 | 74.2 | |
| | | | Recycled amount (t) | 76.7 | 62.6 | 60.5 | |
| | | | Recycling rate (%) | 82.1 | 84.1 | 81.5 | *1 |
| | | | External emissions amount (t) | 16.8 | 11.8 | 13.7 | |
| | | | Hiroshima Gas Group (Six main companies) | | | | |
| | | | Generation amount (t) | 38.6 | 36.7 | 38.3 | |
| | | | Recycled amount (t) | 29.9 | 28.0 | 29.3 | |
| | | | Recycling rate (%) | 77.5 | 76.4 | 76.5 | |
| | | | External emissions amount (t) | 8.7 | 8.7 | 9.0 | |
| | | Industrial waste (Plant) | Generation amount (t) | 3.7 | 2.4 | 9.7 | |
| | | | Reduction/recycled amount (t) | 3.5 | 2.2 | 9.2 | |
| | | | Reduction/recycling rate (%) | 95 | 92 | 95 | |
| | | | Final disposal amount (t) | 0.2 | 0.2 | 0.5 | |
| | | Industrial waste (Office) | Generation amount (t) | 195.0 | 198.2 | 154.0 | |
| | | | Reduction/recycled amount (t) | 176.1 | 174.8 | 131.5 | |
| | | | Reduction/recycling rate (%) | 90.3 | 88.2 | 85.4 | |
| | | | Final disposal amount (t) | 18.9 | 23.4 | 22.5 | |
| | | Industrial waste (Group) | Hiroshima Gas Group (Six main companies) | | | | |
| | | | Generation amount (t) | 29,054 | 38,328 | 24,451 | |
| | | | Reduction/recycled amount (t) | 28,949 | 38,041 | 24,390 | |
| | | | Reduction/recycled amount (%) | 99.6 | 99.2 | 99.7 | |
| | | | Final disposal amount (t) | 105 | 287 | 61 | |
| | | Polyethylene pipes | Generation amount (t) | 9.1 | 8.3 | 14.5 | |
| | | | Recycled amount (t) | 9.1 | 8.3 | 14.5 | |
| | | | Recycling rate (%) | 100.0 | 100.0 | 100.0 | |
| | | Cast iron and steel pipes | Generation amount (t) | 238.4 | 226.3 | 296.7 | |
| | | | Recycled amount (t) | 238.4 | 226.3 | 296.7 | |
| | | | Recycling rate (%) | 100.0 | 100.0 | 100.0 | |
| | | Earth and sand associated with gas piping work | Generation amount (thousands of t) | 111.9 | 98.8 | 67.6 | |
| | | | Reduction amount (thousands of t) | 80.0 | 75.9 | 71.8 | |
| | | | Reduction rate (%) | 41.7 | 43.5 | 51.5 | |
| | | | Recycled amount (thousands of t) | 111.8 | 98.7 | 67.6 | |
| | | | Recycling rate (%) | 99.9 | 99.9 | 99.9 | |
| | Green procurement | Procurement rate (%) | | 39.6 | 22.9 | 31.4 | |
| **$CO_2$ emission coefficient** | City gas | 13A | (kg-$CO_2$/m³N) | 2.29 | 2.29 | 2.29 | *2 |
| | Purchased power | Heating power average value (marginal power supply) | (kg-$CO_2$/kWh) | 0.66 | 0.66 | 0.66 | |
| | | Chugoku Electric Power Co., Inc. actual emission factor | (kg-$CO_2$/kWh) | 0.561 | 0.531 | 0.529 | |
| | 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 $CO_2$ emission factors.
  (2020: 0.561kg-$CO_2$/kWh, 2021: 0.531kg-$CO_2$/kWh, 2022: 0.529kg-$CO_2$/kWh)
*2 Calculated from the typical composition of our city gas (13A).