11 Energy and Water

This chapter covers supply and demand of energy, electricity, gas and water.

The section on supply and demand of energy contains statistics on the structure of energy consumption and the supply-and-demand table of energy.

The section on electricity contains statistics on the generation capacity of electric utilities, including self-generating power plants and the supply and demand of electricity.

The section on gas contains statistics on the supply capacity of general gas enterprises and the supply and demand of gas.

The section on water contains statistics on water supplies, industrial water and agricultural water.

For sewerage, see "17 Environment", for accidents related to electricity, see "29 Disasters and Accidents".

Comprehensive Energy Statistics The Comprehensive Energy Statistics have been compiled annually by the Agency for Natural Resources and Energy since fiscal 1953 to provide an overview of energy supply and demand in Japan, to contribute to the planning of energy and environmental policies and the measurement and evaluation of their effects, and to support a quantitative understanding of energy demand as well as assessment of the situation. The statistics quantify how energy sources such as coal, oil, and natural gas imported into Japan or produced and supplied in Japan were converted and in what form they were ultimately consumed by which sector and for which purpose. The report is compiled by combining data on energy production, conversion, and consumption from various primary energy-related statistics such as the Statistics on Natural Resources and Energy, the Statistics on Current Consumption of Oil, etc. the Statistics on Electric Power Surveys, and the Gas Utility Statistics. The Comprehensive Energy Statistics (Energy Balance Table) is a table that shows the processes by which Japan's energy is produced, imported, converted into secondary energy, such as electricity, and then finally consumed. There are two types of statistics. One is the real amounts of each unit of energy (Specific Unit Table), and the other is the converted amounts of heat generated per unit of measurement (Energy Unit Table), the latter of which is contained in this chapter. Based on the Measurement Act, all energy sources are expressed in a common unit (joules), and a "petajoule" is a unit of energy equal to one quadrillion (10 to the 15th power) joules. Multiplying the figure by 0.0258 gives one million kilolitres of crude oil equivalent.

Statistical Survey of Energy Consumption in the METI Selected Industries (Fundamental Statistical Survey)

This survey was conducted by the Ministry of Economy, Trade and Industry beginning in 1981 but has been conducted by the Agency for Natural Resources and Energy since 2016. It is aimed at clarifying the actual consumption of oil and other energy by industries and obtaining basic data for polices related to oil consumption. This survey targets about 1,300 business establishments (excluding headquarters or main offices that do not engage in production) that fall within the scope of surveys for each production item (including processed goods) specified in the Rules Schedule of the Statistical Survey of Energy Consumption in the METI Selected Industries and surveys the energy consumption of petroleum and other substances for one month from the first to the end of each month.

Current Survey of Petroleum Product Supply and Demand (Fundamental Statistical Survey) With the aim to clarify the actual status of the supply and demand of petroleum products, this survey has been carried out every month since 1952 by the Ministry of Economy, Trade and Industry, and since 2002 by the Agency for Natural Resources and

Energy. The survey is conducted for the about 300 establishments which import and sell petroleum products, or for the establishments which accept directly imported crude oil or the crude oil produced in country, and that establishments belong to manufacturers of petroleum products, importer or specific petroleum dealer, or petroleum acceptance traders in the country. The results are published in the Oil Statistics Preliminary Report and the Oil Statistics Final Report (Resource and Energy Statistics Monthly Report).

Current Survey of Production (Fundamental Statistical Survey) See "9 Mining and Manufacturing". Statistics based on a complete count of establishments that produce petroleum products, crude oil, natural gas and coke (including mines and mineral processing sites) are shown in this chapter.

Summary of the Electric Power Industry The Summary of the Electric Power Industry is a statistical compilation of the current status and trends of Japan's electric utility industry over the years. It is compiled by the Agency for Natural Resources and Energy for the purpose of contributing to a reference for electric utility industry stakeholders. Statistics in these publications are the tabulation results from monthly reports of generation and receiving, etc. submitted regularly by electric power enterprises in accordance with the provisions of the regulations on reporting regarding electricity under the Electricity Business Act. This chapter covers power facilities and, supply and demand.

Handbook of Gas Utility Industry The Handbook of Gas Utility Industry is a statistical compilation of the current status and trends of Japan's gas utility industry over the years. It is compiled by the Japan Gas Association for the purpose of contributing to a reference for gas utility industry stakeholders. Statistics in these publications are tabulated from the reports published by the Agency for Natural Resources and Energy and aggregate results of surveys conducted by The Japan Gas Association. This chapter presents statistics concerning general gas (town gas) utilities.

Current Production Survey on Gas Utility Industry (Fundamental Statistical Survey) The Current Production Survey on Gas Utility Industry has been conducted by the Agency for Natural Resources and Energy as a nationwide survey of gas suppliers prescribed in Article 2, paragraph 12 of the Gas Business Act (excluding gas manufacturers prescribed in paragraph 10 of the same Article) since 1951 for the purpose of clarifying the actual state of gas production in the gas business and obtaining basic data on policies for the gas business. It is carried out every month for about 1600 enterprises. With the revision of the Gas Business Act in fiscal 1970, the simplified gas enterprises are also covered in addition to the general gas enterprises. With the revision of the Gas Business Act in fiscal year 2015, on 1 April, 2017, the business categories were changed to four categories: gas manufacturing, general gas pipeline business, specified gas pipeline business, and gas retail business. This chapter includes the number of general gas pipeline service providers, gas production volumes, and other data.

Water Supply Statistics Water Supply Statistics are compiled annually by the Japan Water Works Association. The compiled statistics consist of the "Survey on Water Supply" and the "Survey on Public Water Supply and Source Water Supply Enterprises," which are conducted annually by the Ministry of Health, Labour and Welfare to provide basic data for water supply administration by the national and local governments. The "Survey on Water Supply" covers approved undertakings in public water supply, source water supply, small-scale water supply, and reported undertakings of exclusive water supply. The "Survey on Public Water Supply and Source Water Supply Enterprises" covers approved undertakings in public water supply and source water supply with the planned capacity for 5,001 persons or more. In

both cases, annual performance in the relevant fiscal year and other items as of the end of the fiscal year are surveyed through prefectures.

Annual Business Survey (Survey of Manufacturing Industry) See "9 Mining and Manufacturing". The survey on industrial land and water was initiated as an attached statistical survey of the Census of Manufactures for 1958, however since 1963 the survey has been conducted as the designated survey items of the Census of Manufactures. Since 2017, part of the survey items on the industrial land and water has been simplified. Based on the request for the systematic development of economic statistics in the "Basic Plan for the Development of Public Statistics" (decided by the Cabinet on 2 June, 2020), the Census of Manufactures was abolished in the 2020 survey due to its inclusion in the Annual Business Survey. This chapter covers industrial water. The survey of industrial water targets private establishments with 30 or more employees in the manufacturing industry.

Water Resources in Japan This data has been comprehensively compiled by the Ministry of Land, Infrastructure, Transport and Tourism since 1983 as a survey of water demand and supply in Japan, the present state of water resource development, and water-resources-related issues to be addressed immediately. This chapter covers agricultural water.

See the Glossary for Terms in this chapter.

11-1 エネルギー需給（令和6年度）

（単位 ペタジュール）

部門	Item		合計 Total	石炭 Coal	石炭製品 Coal products 1)
1 一次エネルギー国内供給	Domestic primary energy supply		17,461	4,301	-8
2 総供給	Total primary energy supply		18,480	4,301	27
3 国内産出	Indigenously produced		3,436	12	0
4 輸入	Imported		15,043	4,288	27
5 輸出	Export		-965	-0	-37
6 供給在庫変動	Stockpile change / supply		-54	0	2
7 エネルギー転換	Energy transformation and own use		-6,078	-4,034	816
8 純転換部門	Total energy transformation		-5,407	-4,055	902
9 石炭製品製造	Manufacture of coal products		-100	-1,228	1,143
10 石油製品製造	Manufacture of oil products		-141	0	0
11 ガス製造	Gas conversion and production		-3	0	0
12 事業用発電	Power generation	4)	-4,094	-2,495	-107
13 自家用発電	Auto power generation		-839	-135	-84
14 自家用蒸気発生	Auto steam generation		-225	-191	-49
15 地域熱供給	District heat supply		4	0	0
16 他転換・品種振替	Other energy transformation		-6	0	0
17 自家消費・送配損失	Own use and loss		-684	-0	-93
18 転換・消費在庫変動	Transformation and consumption stockpile change		12	22	6
19 統計誤差	Statistical discrepancy		103	-43	60
20 最終エネルギー消費	Final energy consumption		11,280	310	747
21 企業・事業所他	Industry		6,844	310	747
22 農林水産鉱建設業	Agriculture, fishery, mining and construction		354	0	0
23 製造業	Manufacturing		4,686	310	743
24 食品飲料	Food, beverages		248	0	0
25 繊維	Textile mill products		66	0	0
26 木製品・家具他	Lumber, wood products, furniture and fixtures		30	0	0
27 パルプ・紙・紙加工品	Pulp, paper and paper products		267	0	0
28 印刷・同関連業	Printing and allied industries		23	0	0
29 化学（含 石油石炭製品）	Chemical and allied products, oil and coal products		1,779	0	37
30 プラスチック・ゴム・皮革製品	Plastic products, rubber products and leather products		88	0	0
31 窯業・土石製品	Ceramic, stone and clay products		306	88	11
32 鉄鋼・非鉄・金属製品	Iron and steel		1,485	222	693
33 機械	Machinery		382	0	2
34 他製造業	Miscellaneous manufacturing industry		11	0	0
35 業務他	Commerce, public services and not elsewhere specified		1,805	0	4
36 家庭	Residential		1,697	0	0
37 運輸	Transportation		2,739	0	0
38 エネルギー利用（最終消費内数）	Final energy consumption (energy use)		10,154	310	733
39 非エネルギー利用（最終消費内数）	Final energy consumption (non-energy and feedstock use)		1,126	0	14

一次エネルギー国内供給＝総供給－輸出±供給在庫増減
1）コークス炉ガス、高炉ガス及び転炉ガスを含む。 2）天然ガス液（NGL）・コンデンセートを含む。 3）輸入天然ガス（LNG）を含む。 4）揚水発電を含む。
資料 資源エネルギー庁「総合エネルギー統計」

11-1 Supply and Demand of Energy (F.Y. 2024)

(In petajoules)

原油 Crude oil 2)	石油製品 Oil products	天然ガス Natural gas 3)	都市ガス City gas	再生可能エネルギー（水力を除く） Renewable energy (excl. hydro)	水力発電（揚水を除く） Hydraulic power generation (excl. pumped)	未活用エネルギー Effective recovery use of wasted energy	原子力発電 Nuclear power generation	電力 Electricity	熱 Heat	部門
5,138	890	3,672	0	1,476	626	574	794	0	0	1
5,191	1,822	3,670	0	1,476	626	574	794	0	0	2
14	0	74	0	1,342	626	574	794	0	0	3
5,177	1,822	3,596	0	134	0	0	0	0	0	4
0	-928	0	0	-0	0	0	0	0	0	5
-53	-4	1	0	0	0	0	0	0	0	6
-5,133	4,271	-3,590	989	-1,465	-626	-534	-794	3,220	802	7
-5,133	4,451	-3,553	1,007	-1,461	-626	-533	-794	3,579	809	8
0	-13	0	0	0	0	-3	0	0	0	9
-5,132	5,108	1	0	-20	0	0	0	0	-98	10
0	-92	-1,528	1,617	0	0	0	0	0	0	11
-1	-138	-2,098	-158	-552	-605	-133	-794	2,986	-	12
0	-140	-55	-94	-717	-21	-192	0	597	-	13
0	-261	-25	-195	-172	0	-202	0	0	872	14
0	-0	0	-14	-0	0	-3	0	-4	25	15
0	-10	154	-149	-0	0	0	0	0	0	16
0	-194	-12	-18	-0	0	0	0	-360	-6	17
0	14	-24	-0	-4	0	-2	0	0	0	18
5	-10	23	0	-0	0	0	0	49	19	19
0	5,171	59	989	11	0	40	0	3,171	783	20
0	2,098	59	599	6	0	40	0	2,204	782	21
0	306	4	2	0	0	0	0	41	1	22
0	1,448	55	243	2	0	40	0	1,108	737	23
0	28	0	30	0	0	0	0	96	94	24
0	3	0	6	0	0	0	0	24	32	25
0	5	0	1	0	0	0	0	12	12	26
0	11	1	6	0	0	0	0	90	158	27
0	2	0	5	0	0	0	0	15	1	28
0	1,234	24	23	0	0	2	0	176	282	29
0	4	0	6	0	0	0	0	63	15	30
0	72	5	23	2	0	35	0	53	16	31
0	61	23	99	0	0	3	0	288	97	32
0	25	2	44	0	0	0	0	282	28	33
0	1	0	1	0	0	0	0	8	1	34
0	343	0	353	4	0	0	0	1,055	45	35
0	394	0	390	4	0	0	0	908	1	36
0	2,679	0	1	0	0	0	0	59	0	37
0	4,069	49	989	11	0	40	0	3,171	783	38
0	1,102	11	0	-	-	-	-	-	-	39

Domestic supply of primary energy = Total primary energy supply – Export ± Increase/decrease of stockpile

1) Including coke oven gas, blast furnace gas and converter furnace gas. 2) Including natural gas liquid and condensate.

3) Including liquefied natural gas. 4) Including pumped storage.

Source: Agency for Natural Resources and Energy.

11-2 一次エネルギー国内供給（平成27年度～令和6年度）

Domestic Primary Energy Supply (F.Y. 2015 to 2024)

（単位 ペタジュール） (In petajoules)

年度 Fiscal year		国内供給計 Total	エネルギー源別 Type of energy					
			国内産出 Indigenously produced	輸入 Imported	輸出 Export	供給在庫変動 Stockpile change / supply	石炭 Coal	石炭製品 Coal products 1)
平成27年	2015	20,020	2,198	19,095	-1,289	15	5,097	57
28	2016	19,839	2,328	18,763	-1,312	61	5,013	27
29	2017	20,066	2,627	18,665	-1,265	39	5,039	4
30	2018	19,697	2,928	18,087	-1,295	-23	4,945	3
令和元年	2019	19,126	2,960	17,531	-1,357	-9	4,873	-25
2	2020	17,959	2,756	15,893	-839	148	4,488	-69
3	2021	18,716	3,170	16,508	-1,005	44	4,816	-5
4	2022	18,299	3,040	16,473	-1,170	-45	4,698	-2
5	2023	17,558	3,365	15,235	-1,028	-14	4,275	13
6	2024	17,461	3,436	15,043	-965	-54	4,301	-8

年度 Fiscal year		エネルギー源別 Type of energy						
		原油 Crude oil 2)	石油製品 Oil products	天然ガス Natural gas 3)	再生可能エネルギー（水力を除く） Renewable energy (excl. hydro)	水力発電（揚水を除く） Hydraulic power generation (excl. pumped)	未活用エネルギー Effective recovery use of wasted energy	原子力発電 Nuclear power generation
平成27年	2015	7,406	731	4,662	726	726	536	79
28	2016	7,346	520	4,731	806	676	568	154
29	2017	7,096	729	4,688	931	710	588	279
30	2018	6,743	650	4,513	1,022	686	586	550
令和元年	2019	6,618	480	4,281	1,113	673	576	537
2	2020	5,312	1,238	4,271	1,186	663	543	326
3	2021	5,689	1,063	4,000	1,325	674	549	605
4	2022	5,968	648	3,940	1,374	658	537	479
5	2023	5,510	748	3,627	1,458	648	555	724
6	2024	5,138	890	3,672	1,476	626	574	794

1）コークス炉ガス、高炉ガス及び転炉ガスを含む。 2）天然ガス液（NGL）・コンデンセートを含む。 3）輸入天然ガス（LNG）を含む。

1) Including coke oven gas, blast furnace gas and converter furnace gas. 2) Including natural gas liquid and condensate.
3) Including liquefied natural gas.

資料 資源エネルギー庁「総合エネルギー統計」

Source: Agency for Natural Resources and Energy.

11-3 再生可能・未活用エネルギーの電力量(平成22年度～令和6年度)

Electric Power Generated by Renewable and Effective Recovery Use of Wasted Energy (F.Y. 2010 to 2024)

(単位 テラジュール) (In terajoules)

年度 Fiscal year		再生可能エネルギー Renewable energy			未活用エネルギー Effective recovery use of wasted energy	
		太陽光発電 Photovoltaic cell power generation	風力発電 Wind power generation	地熱発電 Geothermal power generation	廃棄物発電 Refuse fired power generation	産業電力回収 Industrial wasted electricity recovery use
平成22年	2010	30,267	34,310	22,486	48,047	69,981
27	2015	290,000	46,498	21,622	52,046	68,547
令和2年	2020	665,072	75,431	25,160	29,774	54,071
3	2021	735,766	80,448	25,779	31,710	59,751
4	2022	790,820	79,378	25,449	34,239	51,684
5	2023	830,836	90,344	29,383	33,235	52,114
6	2024	832,941	99,069	32,962	41,579	49,841

資料 資源エネルギー庁「総合エネルギー統計」
Source: Agency for Natural Resources and Energy.

11-4 家庭部門及び業務他部門のエネルギー源別最終エネルギー消費量(平成22年度～令和6年度)

Final Energy Consumption for Residential and Commerce, Public Services and Not Elsewhere Specified Use by Energy Sources (F.Y. 2010 to 2024)

(単位 ペタジュール) (In petajoules)

年度 Fiscal year		家庭部門 Residential	#石油製品 Oil products	#都市ガス City gas	#電力 Electricity	業務他部門 Commerce, public services and not elsewhere specified	#石油製品 Oil products	#都市ガス City gas	#電力 Electricity
平成22年	2010	2,131	638	427	1,049	2,414	718	373	1,229
27	2015	1,899	524	400	963	2,173	567	417	1,138
令和2年	2020	1,910	507	433	963	1,967	505	313	1,092
3	2021	1,814	447	428	932	2,011	469	351	1,140
4	2022	1,778	442	404	926	1,882	392	328	1,107
5	2023	1,697	406	384	901	1,788	373	331	1,035
6	2024	1,697	394	390	908	1,805	343	353	1,055

資料 資源エネルギー庁「総合エネルギー統計」
Source: Agency for Natural Resources and Energy.

11-5 工業の業種別エネルギー消費量(令和7年)

Energy Consumption in Manufacturing by Industry (2025)

区分	Category	単位 Unit	合計 Total 1)	#パルプ・紙・板紙工業 Pulp, paper, paperboard	#化学工業 Chemical	#石油製品工業 Petroleum products	#窯業・土石製品工業 Ceramics, clay and stone products	#鉄鋼業 Iron and steel	#機械工業 Machinery
合計(原油換算)	Total (crude petroleum equivalent)	1,000kL	166,246	9,927	61,119	12,276	8,790	70,299	4,244
燃料計(原油換算)	Fuel total (crude petroleum equivalent)	1,000kL	154,538	9,420	58,051	11,700	8,380	66,166	1,800
石油系燃料(原油換算)	Oil-based fuels (crude petroleum equivalent)	1,000kL	61,935	768	46,407	11,216	1,721	1,063	216
# ナフサ	Naphtha	1,000kL	24,203	-	24,038	165	-	-	-
改質生成油	Oil produced by conversion	1,000kL	12,538	-	12,538	-	-	-	-
灯油	Kerosene	1,000kL	783	3	615	47	13	67	32
重油	Heavy fuel oil	1,000kL	3,832	598	935	1,480	345	154	40
炭化水素油	Hydrocarbon oil	1,000kL	1,327	34	904	89	216	49	0
液化石油ガス	L.P.G.	1,000t	4,315	13	3,678	288	16	247	66
石油系炭化水素ガス	Hydrocarbon gas	100万m^3 million	10,918	-	4,810	6,108	-	0	-
オイルコークス	Petroleum coke	1,000t	3,200	54	1,176	444	843	518	-
アスファルト	Asphalt	1,000t	524	-	-	524	-	-	-
非石油系燃料(原油換算)	Non-oil-based fuels (crude petroleum equivalent)	1,000kL	92,602	8,652	11,645	483	6,659	65,103	1,584
# 石炭	Coal	1,000t	a)65,996	3,346	12,345	278	7,740	a)45,574	-
石炭コークス(ピッチコークスを含む)	Coal coke (Including pitch coke)	1,000t	23,678	-	150	-	203	23,250	13
コークス炉ガス	Coke oven gas	100万m^3 million	8,902	-	833	-	238	7,831	-
高炉ガス	Blast furnace gas	100万m^3 million	59,475	-	1,117	-	26	57,902	-
転炉ガス	Converter furnace gas	100万m^3 million	3,271	-	-	-	203	3,068	-
液化天然ガス	L.N.G.	1,000t	1,754	79	776	154	1	546	94
都市ガス(B)	Town gas (B)	100万m^3 million	5,350	813	648	4	111	1,905	1,320
回収黒液	Black liquor	1,000絶乾t dry t	10,337	10,337	…	…	…	…	…
酸素	Oxygen	100万Nm^3 million	8,004	…	…	…	…	8,004	…
廃材	Waste material	1,000絶乾t dry t	2,651	2,189	2	-	438	23	-
電力	Electricity	100万kwh million	162,457	21,420	32,419	10,891	14,434	54,378	28,774
蒸気	Steam	1,000t	414,172	122,304	138,258	65,299	43,063	58,289	…

1) 兼業している事業所があるため、内訳の合計とは一致しない。 a) コークス製造用炭(原料炭)を含む。

1) The sum of the component industries does not agree with the total because some establishments are engaged in two or more types of industry. a) Including raw materials charcoal for coke production.

資料 経済産業省「経済産業省特定業種石油等消費統計調査(石油等消費動態統計年報)」

Source: Ministry of Economy, Trade and Industry.

11-6 工業の業種、用途別燃料消費量（令和7年）

Consumption of Fuel in Manufacturing by Industry and Purpose (2025)

（単位 原油換算 1,000キロリットル） (In thousands of kilolitres of crude petroleum equivalent)

業種	Industry	燃料消費 Consumption of fuel	ボイラ用 For boilers	コージェネレーション用 For cogeneration	ボイラ用及びコージェネレーション用以外に使用したもの For purposes other than boilers and co-generation			
						原料用 As materials	直接加熱用 For direct heating	その他用 For others
合計	Total 1)	154,538	26,481	4,718	123,338	66,593	54,217	2,529
パルプ・紙・板紙工業	Pulp,paper,paperboard	9,420	8,522	506	392	-	351	41
化学工業	Chemical	58,051	7,255	1,447	49,349	42,696	6,236	417
化学繊維工業	Chemical fibres	1,463	926	428	110	-	72	38
石油製品工業	Petroleum products	11,700	3,258	1,711	6,731	858	5,592	280
窯業・土石製品工業	Ceramics, clay and stone products	8,380	3,369	84	4,927	124	4,711	91
ガラス製品工業	Glass products	318	8	0	309	-	303	7
鉄鋼業	Iron and steel	66,166	5,291	73	60,802	22,995	36,546	1,261
非鉄金属地金工業	Non-ferrous metals	515	34	0	481	-	445	35
機械工業	Machinery	1,800	334	598	868	-	485	383
石油系燃料	Oil based fuels 1)	61,935	7,115	2,185	52,635	38,677	12,944	1,014
パルプ・紙・板紙工業	Pulp,paper,paperboard	768	493	1	274	-	242	32
化学工業	Chemical	46,407	2,912	533	42,962	37,731	4,851	379
化学繊維工業	Chemical fibres	357	330	4	23	-	21	2
石油製品工業	Petroleum products	11,216	3,054	1,643	6,519	764	5,481	274
窯業・土石製品工業	Ceramics, clay and stone products	1,721	163	2	1,556	38	1,462	56
ガラス製品工業	Glass products	41	0	0	41	-	40	0
鉄鋼業	Iron and steel	1,063	107	1	955	179	633	142
非鉄金属地金工業	Non-ferrous metals	225	10	0	215	-	200	15
機械工業	Machinery	216	49	1	166	-	47	119
非石油系燃料	Non-oil based fuels 1)	92,602	19,367	2,533	70,703	27,916	41,272	1,515
パルプ・紙・板紙工業	Pulp,paper,paperboard	8,652	8,029	505	118	-	109	10
化学工業	Chemical	11,645	4,343	914	6,387	4,965	1,384	38
化学繊維工業	Chemical fibres	1,107	596	424	87	-	51	36
石油製品工業	Petroleum products	483	203	68	212	94	111	7
窯業・土石製品工業	Ceramics, clay and stone products	6,659	3,206	82	3,371	87	3,249	35
ガラス製品工業	Glass products	277	8	0	269	-	262	6
鉄鋼業	Iron and steel	65,103	5,184	72	59,847	22,816	35,913	1,119
非鉄金属地金工業	Non-ferrous metals	290	24	-	265	-	245	20
機械工業	Machinery	1,584	285	597	702	-	438	264

1) 兼業している事業所があるため、内容の合計とは一致しない。

1) The sum of the component industries does not agree with the total because some establishments are engaged in two or more types of industry.

資料 経済産業省「経済産業省特定業種石油等消費統計調査（石油等消費動態統計年報）」

Source: Ministry of Economy, Trade and Industry.

11-7 原油需給（平成27年度～令和7年度）

Supply and Demand of Crude Oil (F.Y. 2015 to 2025)

（単位 1,000キロリットル） (In thousands of kilolitres)

年度 Fiscal year	供給 Supply		原油処理 Crude oil processing				出荷（非精製用） Shipment for non-refining			年度末在庫 Inventory at end of fiscal year
	生産 Production	輸入 Imports	計 Total	精製業者 Refiners	潤滑油業者 Lubricant manufacturers	その他業者 Others	計 Total	#電力用 For electric power	#石油化学用 For petro chemical	
平成27年 2015	578	194,515	189,036	188,757	271	8	6,651	5,992	383	14,199
令和2年 2020	513	136,463	139,268	139,051	217	-	323	216	-	9,573
5 2023	392	144,802	145,064	144,841	223	-	123	40	-	9,978
6 2024	381	136,294	135,095	134,903	192	-	71	-	49	11,382
7 2025	…	137,706	139,274	139,081	193	-	47	22	-	9,404

資料 経済産業省「経済産業省生産動態統計（経済産業省生産動態統計年報）」
資源エネルギー庁「石油製品需給動態統計調査（資源・エネルギー統計年報）」
Source: Ministry of Economy, Trade and Industry. Agency for Natural Resources and Energy.

11-8 地域、国別原油輸入量（平成27年度～令和7年度）

Imports of Crude Oil by Region and Country (F.Y. 2015 to 2025)

（単位 1,000キロリットル） (In thousands of kilolitres)

国（地域）	Country and region	平成27年度 F.Y. 2015	令和2年度 F.Y. 2020	7年度 F.Y. 2025
合計	Total	194,515	136,463	137,706
中東	Middle East	160,399	125,599	128,195
# アラブ首長国連邦	United Arab Emirates	49,172	40,773	56,612
イラク	Iraq	3,119	789	-
イラン	Iran	9,660	-	-
オマーン	Oman	972	527	611
カタール	Qatar	16,404	11,315	4,584
クウェート	Kuwait	15,127	11,736	7,483
サウジアラビア	Saudi Arabia	65,732	57,977	58,397
中立地帯	Neutral Zone	213	386	507
南方	South East Asia	7,079	1,288	501
# インドネシア	Indonesia	4,253	78	25
ブルネイ	Brunei	270	180	284
ベトナム	Viet Nam	1,410	334	87
マレーシア	Malaysia	1,146	670	105
東・中央アジア	East and Central Asia	1,531	452	-
カザフスタン	Kazakhstan	1,531	452	-
中南米	Central and South America	6,387	2,610	1,663
# エクアドル	Ecuador	1,359	2,610	1,502
メキシコ	Mexico	2,987	-	-
欧州	Europe	15,672	4,885	95
# ロシア	Russia	15,672	4,885	95
北米	North America	205	969	6,622
# アメリカ	U.S.A.	205	969	6,622
アフリカ	Africa	1,700	281	419
# アンゴラ	Angola	595	-	-
スーダン	Sudan	280	-	419
大洋州	Oceania	1,542	378	210
# オーストラリア	Australia	1,024	316	210

資料 資源エネルギー庁「石油製品需給動態統計調査（資源・エネルギー統計年報）」
Source: Agency for Natural Resources and Energy.

11-9 天然ガス需給（平成22年度～令和6年度）

Supply and Demand of Natural Gas (F.Y. 2010 to 2024)

（単位 100万立方メートル） (In millions of cubic metres)

年度 Fiscal year		生産 Production	消費・出荷 Consumption and shipments								年度末在庫 Inventory at end of fiscal year
			計 Total	原油・天然ガス鉱業 Crude oil and natural gas 1)	製造業 Manufacturing			電気業 Power generation	ガス業 Gas generation	その他 Others	
						化学工業 Chemicals	その他 Others				
平成22年	2010	3,343	4,595	459	978	618	359	345	2,800	13	244
27	2015	2,715	4,170	439	1,029	558	471	367	2,319	17	236
令和2年	2020	2,290	4,105	358	1,090	577	513	316	2,328	13	171
3	2021	2,262	4,255	360	1,172	643	529	325	2,386	12	171
4	2022	2,108	3,986	311	1,102	589	513	240	2,322	12	252
5	2023	1,978	3,948	321	1,039	555	484	258	2,319	12	242
6	2024	1,888	3,912	313	1,049	569	480	218	2,320	12	208

1) 同業者間の転売を含む。

1) Including sales among establishments in the same trade.

資料 経済産業省「経済産業省生産動態統計調査（経済産業省生産動態統計年報）」

Source: Ministry of Economy, Trade and Industry.

11-10 コークス需給（平成22年度～令和6年度）

Supply and Demand of Coke (F.Y. 2010 to 2024)

（単位 1,000トン） (In thousands of tons)

年度 Fiscal year		生産 Production	消費・出荷 Consumption and shipments					年度末在庫 Inventory at end of fiscal year
			計 Total	消費 Consumption	出荷 Shipments			
						販売 Sales	その他 Others	
平成22年	2010	37,036	39,694	30,127	9,567	8,479	1,088	1,360
27	2015	32,439	36,882	26,664	10,218	8,849	1,370	1,541
令和2年	2020	29,287	31,481	22,527	8,954	7,767	1,186	1,628
3	2021	30,219	32,921	24,724	8,197	7,382	815	1,788
4	2022	28,709	30,759	23,302	7,457	6,705	752	2,149
5	2023	27,252	29,605	22,772	6,833	6,291	542	2,114
6	2024	25,621	27,916	21,621	6,295	5,643	652	1,947

資料 経済産業省「経済産業省生産動態統計調査（経済産業省生産動態統計年報）」

Source: Ministry of Economy, Trade and Industry.

11-11 石油製品需給（平成27年度～令和7年度）

Supply and Demand of Petroleum Products (F.Y. 2015 to 2025)

年度 Fiscal year	燃料油 Fuel oil (1,000kL)									
	計 Total					ガソリン Gasoline				
	生産 Production	輸入 Imports	販売 Sales	輸出 Exports	年度末在庫 2)	生産 Production	輸入 Imports	販売 Sales	輸出 Exports	年度末在庫 2)
平成27年 2015	178,829	35,098	180,524	32,416	8,764	54,773	1,149	53,127	3,967	1,705
令和2年 2020	133,451	36,834	151,540	18,483	8,791	43,478	3,014	45,233	2,451	1,991
7 2025	136,033	29,733	136,585	28,206	7,938	42,672	4,180	43,609	3,837	1,628

年度 Fiscal year	燃料油 Fuel oil (1,000kL)									
	ナフサ Naphtha					ジェット燃料油 Jet fuel				
	生産 Production	輸入 Imports	販売 Sales	輸出 Exports	年度末在庫 2)	生産 Production	輸入 Imports	販売 Sales	輸出 Exports	年度末在庫 2)
平成27年 2015	19,106	28,710	46,234	17	1,732	15,742	314	5,488	10,657	874
令和2年 2020	12,462	28,853	40,323	-	1,361	6,438	79	2,733	3,780	687
7 2025	13,600	21,535	33,458	336	1,275	12,452	210	4,221	8,759	778

年度 Fiscal year	燃料油 Fuel oil (1,000kL)									
	灯油 Kerosene					軽油 Gas oil				
	生産 Production	輸入 Imports	販売 Sales	輸出 Exports	年度末在庫 2)	生産 Production	輸入 Imports	販売 Sales	輸出 Exports	年度末在庫 2)
平成27年 2015	15,754	848	15,946	491	1,120	41,609	559	33,619	9,389	1,266
令和2年 2020	13,090	2,718	14,498	1,300	1,484	32,671	1,449	31,869	2,900	1,479
7 2025	9,592	1,729	11,027	416	1,164	35,358	1,542	30,760	6,617	1,127

年度 Fiscal year	燃料油 Fuel oil (1,000kL)					潤滑油 Lubricating oil (1,000kL) 1)				
	重油 Heavy oil					生産 Production	輸入 Imports	販売 Sales	輸出 Exports	年度末在庫 2)
	生産 Production	輸入 Imports	販売 Sales	輸出 Exports	年度末在庫 2)					
平成27年 2015	31,845	3,517	26,111	7,894	2,068	2,364	153	1,460	896	424
令和2年 2020	25,311	721	16,884	8,052	1,789	2,030	193	1,430	813	451
7 2025	22,359	536	13,509	8,241	1,966	1,954	196	1,730	317	379

年度 Fiscal year	アスファルト Asphalt (1,000t)					液化石油ガス L.P.G. (1,000t)				
	生産 Production	輸入 Imports	販売 Sales	輸出 Exports	年度末在庫 2)	生産 Production	輸入 Imports	販売 Sales	輸出 Exports	年度末在庫 2)
平成27年 2015	3,264	76	1,945	57	224	4,353	10,613	12,426	184	1,892
令和2年 2020	2,277	7	1,965	18	162	3,013	10,234	10,334	117	1,566
7 2025	1,742	37	1,273	－	182	2,236	10,163	11,628	121	1,481

1) 令和4年4月分から集計方法を改訂

1) From April 2022, the totaling method was revised. 2) Inventory at end of fiscal year

資料 資源エネルギー庁「石油製品需給動態統計調査（資源・エネルギー統計年報）」

Source: Agency for Natural Resources and Energy.

11-12 発電所数及び最大出力（平成27年度～令和6年度）

Number of Power Plants and Maximum Demand (F.Y. 2015 to 2024)

（単位 出力 1,000キロワット）　(Capacity in thousands of kilowatts)

年度末 End of fiscal year	総数 Total		水力 Hydro		火力 Thermal		原子力 Nuclear		風力 Wind	
	発電所数 Power plants	最大出力 Maximum demand	発電所数 Power plants	最大出力 Maximum demand	発電所数 Power plants	最大出力 Maximum demand	発電所数 Power plants	最大出力 Maximum demand	発電所数 Power plants	最大出力 Maximum demand
平成27年 2015	7,131	291,836	1,708	50,035	2,570	190,805	16	42,048	295	2,808
令和2年 2020	11,290	298,550	1,834	50,033	2,434	191,758	15	33,083	474	4,119
4 2022	12,509	299,450	1,839	50,008	2,432	187,879	15	33,083	477	4,483
5 2023	13,881	294,112	1,843	50,066	2,409	179,497	15	33,083	492	5,369
6 2024	15,564	297,708	1,852	50,072	2,405	182,141	15	33,083	520	5,778

年度末 End of fiscal year	総数 Total		太陽光 Photovoltaic		地熱 Geothermal		その他 Other		電気事業用 Major electricity producers		自家用 Auto-producers	
	発電所数 Power plants	最大出力 Maximum demand	発電所数 Power plants	最大出力 Maximum demand	発電所数 Power plants	最大出力 Maximum demand	発電所数 Power plants	最大出力 Maximum demand	発電所数 Power plants	最大出力 Maximum demand	発電所数 Power plants	最大出力 Maximum demand
平成27年 2015	2,523	5,624	18	517	1	0	1,523	231,484	5,608	60,352		
令和2年 2020	6,508	19,028	21	487	4	43	5,391	269,648	5,899	28,903		
4 2022	7,722	23,499	19	437	5	60	6,593	270,098	5,916	29,351		
5 2023	9,080	25,393	23	441	19	264	7,838	265,212	6,043	28,900		
6 2024	10,710	25,657	26	461	5	172	9,519	268,668	6,045	29,039		

資料 資源エネルギー庁「電気事業便覧」
Source: Agency for Natural Resources and Energy.

11-13 発電電力量（平成27年度～令和6年度）

Electric Energy Output (F.Y. 2015 to 2024)

（単位 100万キロワット時）　(In millions of kilowatt-hours)

年度 Fiscal year	総数 Total 1)	水力 Hydro	火力 Thermal	原子力 Nuclear	風力 Wind	太陽光 Photovoltaic	地熱 Geothermal	電気事業用 Major electricity producers 2)	自家用 Auto-producers 3)
平成27年 2015	1,024,179	91,383	908,779	9,437	5,161	6,837	2,582	762,551	261,628
令和2年 2020	948,979	86,310	789,725	37,011	8,326	24,992	2,114	845,409	103,570
4 2022	939,025	85,034	758,485	53,524	8,203	31,543	2,038	834,746	104,280
5 2023	926,130	84,102	716,792	80,284	9,215	33,162	2,231	826,443	99,678
6 2024	934,504	83,407	712,274	89,345	10,777	35,988	2,336	835,340	99,164

試運転分電力量を含む。 1) 令和2年度以降は、バイオマス、廃棄物及びその他を含む。 2) 平成27年度は発電端値、令和2年度以降は送電端値 3) 1発電所最大出力1MW以上。発電端値。電気事業者の区分に発電事業者のライセンスが新設されたため、平成27年度以前自家用に計上されていた事業者のうち、発電事業者の要件を満たした事業者に係る発電量については、28年度以降、電気事業用に計上
Including electric energy for test operation. 1) From fiscal 2020, including biomass energy, waste energy and others. 2) For fiscal 2015, electric energy at generation end. From fiscal 2020, those at transmissions end. 3) For power plants where maximum demand is more than 1MW. Electric energy at generation end. Since the license of electricity producer was established in the industrial classification of electricity operator, for operators considered before fiscal 2015 as auto-producers, from fiscal 2016, the electric energy output of those who meet the requirements for electricity producer is included in the electricity operator classification.

資料 資源エネルギー庁「電気事業便覧」
Source: Agency for Natural Resources and Energy.

11-14 電気事業設備状況（平成27年度～令和6年度）

Facilities of Major Electricity Producers (F.Y. 2015 to 2024)

事業者数及び設備	Number of enterprises and facilities		平成27年度 F.Y. 2015	令和2年度 F.Y. 2020	6年度 F.Y. 2024
事業者数	Enterprises	1)			
小売電気事業者	Electricity retail supplier		-	713	761
一般送配電事業者	Regional electricity network operator		-	10	10
送電事業者	Independent electricity network operator		-	3	3
特定送配電事業者	Site specific electricity network operator		-	36	43
# 登録特定送配電事業者	Registered site specific electricity network operator		-	30	38
発電事業者	Electricity producer		-	1,018	1,198
送電設備	Transmission facilities				
電線路こう長	Route length of electrical lines	(km)			
架空	Aerial		87,832	88,312	88,567
地中	Underground		15,158	15,436	15,652
回線延長	Total length of circuits	(km)			
架空	Aerial		151,636	152,295	152,479
地中	Underground		27,062	27,435	27,590
変電設備	Transformation facilities	2)			
変電所数	Substations		6,718	7,137	7,110
変電所出力	Substation capacity	(1,000kVA)	833,112	869,037	877,005
配電設備	Distributing facilities				
電線路こう長	Route length of electrical lines	(km)			
高圧（特別高圧を含む）	High-voltage (Including special high voltage)				
架空	Aerial		697,924	708,723	714,367
地中	Underground		39,536	40,941	42,099
低圧	Low-voltage				
架空	Aerial		570,921	578,271	582,531
地中	Underground		4,032	4,298	4,535
電線延長	Total length of lines	(km)			
高圧（特別高圧を含む）	High-voltage (Including special high voltage)				
架空	Aerial		2,245,795	2,283,020	2,302,393
地中	Underground		64,384	67,327	69,323
低圧	Low-voltage				
架空	Aerial		1,760,180	1,763,008	1,764,739
地中	Underground		6,348	6,667	6,876
変圧器容量	Transformers output capacity	(1,000kVA)			
架空	Aerial		326,075	348,689	359,914
地中	Underground		33,833	35,967	40,962

事業者数以外は10社計（旧一般電気事業者）。年度末現在　1）平成28年4月から電力小売の全面自由化が開始され、電気事業者の類型が見直された。　2）周波数変換設備、連系所設備及び交直変換設備を含む。

Data refer to ten companies known as "formerly general electric utilities" except for the number of enterprises. As of the end of fiscal year. 1) The classification of companies of electricity supply industry was revaluated since electric power liberalization started in April 2016. 2) Including frequency modulation equipment, connecting station facilities and direct / alternating current transformer facilities.

資料　資源エネルギー庁「電気事業便覧」

Source: Agency for Natural Resources and Energy.

11-15 電気事業発電用燃料消費量(平成27年度～令和6年度)

Fuel Consumption for Power Generation by Electricity Utilities (F.Y. 2015 to 2024)

年度 Fiscal year		石炭(湿炭) Coal (wet coal) (1,000t)	A重油 A Heavy oil (1,000kL) 1)	B・C重油 B・C Heavy oil (1,000kL)	その他重油 Other Heavy oil (1,000kL)	原油 Crude oil (1,000kL)	天然ガス液 N.G.L. (1,000kL)	液化天然ガス L.N.G. (1,000t)	液化石油ガス L.P.G. (1,000t)
平成27年	2015	80,285	7,095	…	…	5,700	0	52,306	157
令和2年	2020	8,599	364	2,054	701	305	0	47,067	59
4	2022	108,473	319	3,315	1,774	183	1	39,124	107
5	2023	101,276	251	2,585	508	46	…	37,770	26
6	2024	104,491	282	1,725	545	11	15	36,855	19

主要なもののみ掲載。発電用のみで雑用は除いた数値　1) 平成27年は、重油

Presented are main items only. For generation, excluding for miscellaneous.　1) For 2015, Heavy oil.

資料　資源エネルギー庁「電気事業便覧」

Source: Agency for Natural Resources and Energy.

11-16 電灯及び電力需要(平成27年度～令和6年度)

Demand for Electric Light and Power (F.Y. 2015 to 2024)

年度 Fiscal year		契約口数 Number of contracts (1,000)			契約kW数 Kilowatts contracts (1,000kW)
		計 Total	電灯 Electric light	電力 Electric power	電力 Electric power
平成27年	2015	85,654	78,567	7,087	49,153
令和2年	2020	51,007	47,351	3,656	24,795
4	2022	46,457	42,986	3,470	23,886
5	2023	46,166	42,718	3,448	24,202
6	2024	44,655	41,332	3,323	23,408

契約口数及び契約キロワット数は10社計(旧一般電気事業者)。年度末現在。特定規模需要を除く。令和2年度以降は、特定小売供給約款に基づく特定需要

Number of contracts and kilowatts contracted are on ten companies formerly known as "general electric utilities". As of the end of fiscal year. Excluding specified-scale demand. From fiscal 2020, specific demand based on specific retail supply agreement.

資料　資源エネルギー庁「電気事業便覧」

Source: Agency for Natural Resources and Energy.

11-17 需要電力量（平成22年度～令和6年度）

Electric Energy Demand (F.Y. 2010 to 2024)

（単位 100万キロワット時） (In millions of kilowatt-hours)

年度 Fiscal year		合計 Total	電気事業者 Electricity utilities				
			計 Total	低圧電灯 Low voltage electric light 1)	低圧電力 Low voltage power 2)	特別高圧 Special high voltage 3)	高圧 High voltage 3)
平成22年	2010	1,056,441	931,059	304,234	47,453	574,937	…
27	2015	955,345	841,542	266,855	39,150	531,514	…
令和2年	2020	935,491	863,159	279,047	35,628	215,017	291,205
3	2021	956,666	881,516	279,227	35,087	225,434	297,353
4	2022	940,317	866,540	271,293	34,465	222,126	294,316
5	2023	919,790	849,634	267,828	33,749	217,769	290,045
6	2024	930,148	861,016	277,082	34,242	219,397	292,118

年度 Fiscal year		電気事業者 Electricity utilities		自家発自家消費 Power generated and consumed by privately-owned power facilities 4)
		特定供給 Specified supply	自家消費 Self-consumption	
平成22年	2010	6	4,429	125,382
27	2015	5	4,018	113,803
令和2年	2020	5,472	36,790	72,332
3	2021	6,157	38,258	75,150
4	2022	6,158	38,181	73,777
5	2023	6,119	34,124	70,156
6	2024	5,996	32,181	69,132

1) 平成27年度以前は電灯 2) 平成27年度以前は電力 3) 平成27年度以前は特定規模需要、28年度以降は特別高圧、高圧に分けて記載 4) 自家発電設備1,000キロワット以上の事業場を計上。平成28年度以降、平成27年度までは自家発自家消費電力量に計上していた事業者のうち、一部の事業者が発電事業者のライセンスを取得し、電気事業者に移行している。

1) Before fiscal 2015, electric light. 2) Before fiscal 2015, electric power. 3) Given as specified-scale demand for fiscal 2015 and prior and divided into special high voltage and high voltage for and after fiscal 2016. 4) The establishments that generated 1,000 Kilowatts or more are included in a total calculation. After fiscal 2016, among the establishments that were included in the power generated and consumed by privately-owned power facilities, some establishments obtained licenses to be an establishment of generating electricity and shifted to public utilities up to fiscal 2015.

資料 資源エネルギー庁「電気事業便覧」

Source: Agency for Natural Resources and Energy.

11-18 都市ガス事業需要家数及びガス販売量(平成22年度～令和6年度)

Number of Consumer's Metres and Gas Sales by Town Gas Utilities (F.Y. 2010 to 2024)

年度 Fiscal year		一般ガス導管事業者数 General gas pipeline service providers 1)			供給区域内世帯数 Households of gas supply in the service area (A) (1,000) 2)	メーター取付数 Metres installed (B) (1,000) 1) 3)	供給区域内普及率 Penetration of gas supply in the service area (B/A) (%)	導管延長数(一般ガス導管事業所分) Total length of mains (for general gas pipeline service provider) (1,000km) 1)
		計 Total	公営 Publicly-owned	私営 Privately-owned				
平成22年	2010	211	30	181	36,204	28,902	79.8	246
27	2015	206	26	180	38,835	29,980	77.2	257
令和2年	2020	193	20	173	41,899	31,228	74.5	266
3	2021	193	20	173	42,167	31,445	74.6	268
4	2022	193	18	175	42,678	31,678	74.2	269
5	2023	190	18	172	43,384	31,897	73.5	270
6	2024	190	18	172	43,497	32,119	73.8	271

年度 Fiscal year		ガス生産・購入量 Gas production and purchases (PJ) 4)			ガス販売量 Gas sales (PJ) 4)				自家消費量 Self-consumption (PJ) 3)	加熱用 For heat generation (PJ) 3)
		計 Total	公営 Publicly-owned	私営 Privately-owned	計 Total	#家庭用 Residential	#商業用 Commercial	#工業用 Industrial		
平成22年	2010	1,547	27	1,519	1,477	410	198	738	9	1
27	2015	1,610	25	1,585	1,526	387	177	842	9	1
令和2年	2020	2,204	24	2,179	1,654	419	153	953	27	1
3	2021	2,334	24	2,310	1,723	415	155	1,020	23	1
4	2022	2,291	21	2,270	1,684	391	160	1,001	18	1
5	2023	2,195	21	2,174	1,591	372	161	927	19	1
6	2024	2,172	21	2,151	1,600	379	165	917	19	1

平成27年度までは、供給区域内世帯数及び供給区域内普及率以外は旧一般ガス事業者計 1) 年度末現在 2) 一般ガス導管事業者計 3) 令和2年度以降はガス事業者計 4) 平成27年度までは旧一般ガス事業者間での卸供給分を除く。令和2年度以降はガス事業者計

Up to fiscal 2015, figures other than the number of households with gas supply in the service area and the penetration of gas supply in the service area are totals of former gas utilities. 1) As of the end of fiscal year. 2) Total of general gas pipeline service providers. 3) From fiscal 2020, total of gas suppliers. 4) Up to fiscal 2015, excluding wholesale supply between former gas utilities. From fiscal 2020, total of gas suppliers.

資料 資源エネルギー庁「ガス事業生産動態統計調査」 一般社団法人日本ガス協会「ガス事業便覧」

Source: Agency for Natural Resources and Energy. The Japan Gas Association.

11-19 上水道、簡易水道及び専用水道の現況（平成27年度～令和5年度）

Water Supplies (F.Y. 2015 to 2023)

種類	Kind of water supply		平成27年度末 End of F.Y. 2015	令和2年度末 End of F.Y. 2020	4年度末 End of F.Y. 2022	5年度末 End of F.Y. 2023
上水道	Water supply					
事業数	Enterprises		1,381	1,312	1,299	1,293
計画給水人口	Planned to be served population	(1,000)	128,703	128,629	128,624	128,333
現在給水人口	Being served population	(1,000)	a)119,996	a)121,284	a)120,508	a)b)120,026
管路延長	Total length of piped lines	(km) 1)	666,310	739,403	744,681	746,452
年間取水量（100万m^3）	Annual water collected (million m^3)		15,176	15,342	15,084	15,172
年間浄水量（100万m^3）	Annual water treated (million m^3)		10,304	10,547	10,317	10,260
年間有効水量（100万m^3）	Annual effective supply (million m^3)	2)	13,432	13,587	13,310	13,223
1日当たり施設能力	Daily capacity of supply	(1,000m^3) 3)	67,433	66,668	66,886	66,302
簡易水道	Small-scale water supply					
事業数	Enterprises		5,629	2,507	2,376	2,302
計画給水人口	Planned to be served population	(1,000)	5,748	2,591	2,478	2,436
現在給水人口	Being served population	(1,000)	4,037	1,741	1,623	a)b)1,577
実績年間給水量（100万m^3）	Annual water supply (million m^3)		590	293	285	282
専用水道	Exclusive water supply					
施設箇所数	Number of networks		8,208	8,228	8,172	8,121
確認時給水人口（自己水源のみ）	Confirmed to be served population (only for self water source)	(1,000)	2,413	2,688	2,872	2,813
現在給水人口（自己水源のみ）	Being served population (only for self water source)	(1,000)	371	368	397	358
普及率	Diffusion rate	(%)	a)97.9	a)98.1	a)98.3	a)b)98.2

1）導水管、送水管及び配水管延長の計。水道用水供給事業分を含む。 2）年間給水量のうち無効水量（配水本支管、メーターより上流の給水管の漏水等）を除いたもの。水道用水供給事業からの給水量を含む。 3）年度末現在の稼働しうる浄水能力を基準としたもの a）東日本大震災の影響により福島県内の一部を除く。 b）能登半島地震の影響により石川県内の一部を除く。

1) Sum of water conducting pipe, water sending pipe and water distributing pipe. Including water supply enterprises which supply water to waterworks utilities. 2) Annual supply of water less ineffective amount (leakage from water pipes before reaching consumers). Including amount of water supplied by water supply enterprises to waterworks utilities. 3) Base on the working capacity at the end of fiscal year. a) Excluding part of Fukushima Prefecture for which precise data are not available because of the Great East Japan Earthquake. b) Excluding part of Ishikawa Prefecture for which precise data are not available because of the Noto Peninsula Earthquake.

資料 公益社団法人日本水道協会「水道統計 施設・業務編」

Source: Japan Water Works Association.

11-20 製造業の産業中分類別工業用水量（令和6年）

Industrial Water Used by Medium Group of Manufacturing Industry (2024)

産業 Industry		事業所数 Establishments	用水量（1,000m³ / 日） Water used (1,000m³ / day)					
			淡水 Fresh water					
			計 Total	水源別 By source				
				公共水道 Public water supply		井戸水 Well water	その他の淡水 Other fresh water	
				工業用水道 Industrial water	上水道 Waterworks			
合計	Total	46,995	23,283	10,098	2,001	5,387	5,798	
食料品	Food	7,694	2,233	338	470	1,075	350	
飲料・たばこ・飼料	Beverage, tobacco and feed	783	643	122	87	415	20	
繊維工業	Textile products	1,725	1,187	228	36	448	475	
木材・木製品（家具を除く）	Lumber and wood products, except furniture	671	47	20	19	7	1	
家具・装備品	Furniture and fixtures	552	20	2	8	11	0	
パルプ・紙・紙加工品	Pulp, paper and paper products	1,573	5,462	1,622	37	715	3,087	
印刷・同関連業	Printing and allied industries	1,819	73	3	45	12	13	
化学工業	Chemical and allied products	2,346	5,029	3,044	181	800	1,005	
石油製品・石炭製品	Petroleum and coal products	114	802	761	10	2	28	
プラスチック製品（別掲を除く）	Plastic products, except otherwise classified	3,542	694	71	133	430	60	
ゴム製品	Rubber products	633	150	34	20	86	11	
なめし革・同製品・毛皮	Leather tanning, leather products and fur skins	122	5	0	2	3	0	
窯業・土石製品	Ceramic, stone and clay products	1,517	548	144	61	225	118	
鉄鋼業	Iron and steel	1,299	3,313	2,646	113	112	442	
非鉄金属	Non-ferrous metals and products	905	585	239	46	167	133	
金属製品	Fabricated metal products	4,605	369	110	130	127	2	
はん用機械器具	General-purpose machinery	1,783	114	17	57	36	5	
生産用機械器具	Production machinery	4,173	197	38	91	63	5	
業務用機械器具	Business oriented machinery	1,216	91	11	34	33	13	
電子部品・デバイス・電子回路	Electronic parts, devices and electronic circuits	1,778	810	391	118	287	15	
電気機械器具	Electrical machinery, equipment and supplies	2,699	176	51	66	56	4	
情報通信機械器具	Information and communication electronics equipment	486	28	2	11	14	0	
輸送用機械器具	Transportation equipment	4,010	657	197	208	241	10	
その他	Miscellaneous	950	51	7	20	24	1	

事業所数は6月1日現在。用水量は、令和5年1月から12月までの1年間に使用した工業用水の総量を操業日数で割ったものをいう。個人経営を除く。

Figures of establishments, as of 1 June. Water used per day refers to total water used during a year (January to December 2023) divided by the number of operating days. Excluding private management.

資料 総務省統計局、経済産業省「経済構造実態調査 製造業事業所調査結果」

Source: Statistics Bureau, Ministry of Internal Affairs and Communications. Ministry of Economy, Trade and Industry.

11-21 用途、地域別農業用水量(平成22年～令和4年)

Agricultural Water Requirement by Purpose and Region (2010 to 2022)

(単位 億立方メートル/年) (In one hundred millions of cubic metres per annum)

用途、地域	Purpose and region	平成22年 2010	27年 2015	令和2年 2020	3年 2021	4年 2022
合計	Total	544	540	532	530	528
用途別	By purpose					
水田かんがい用水	Rice paddy irrigation water	510	506	497	496	494
畑地かんがい用水	Field irrigation water	29	29	31	30	30
畜産用水	Stock raising water	4	4	4	4	4
地域別	By region 1)					
北海道	Hokkaido	46	46	47	46	46
東北	Tohoku	158	156	155	155	155
関東内陸	Kanto Inland	56	56	55	55	55
関東臨海	Kanto Seaside	25	25	25	25	25
東海	Tokai	50	50	48	48	48
北陸	Hokuriku	28	28	28	28	28
近畿内陸	Kinki Inland	19	19	18	18	18
近畿臨海	Kinki Seaside	21	21	21	21	21
山陰	Sanin	12	12	12	12	12
山陽	Sanyo	31	30	29	29	29
四国	Shikoku	22	21	20	20	20
北九州	Kitakyushu	39	39	38	38	37
南九州	Minamikyushu	34	34	34	33	33
沖縄	Okinawa	3	3	3	3	3

農業用水量は、実際の使用量の計測が難しいため、耕地の整備状況、かんがい面積、単位用水量(減水深)、家畜飼養頭羽数などから、推計した値 1) 年度

The figures are estimated from the maintenance situation of the cultivated land, the irrigated area, unit water requirement (water requirement in depth), number of livestock or chickens raised, etc., because it is difficult to measure the real consumption for agricultural irrigation. 1) Fiscal year.

資料 国土交通省「日本の水資源の現況」

Source: Ministry of Land, Infrastructure, Transport and Tourism.