

Energy and Economy Indicators of Japan

Updated 2018/11/9

(Quarterly)

To be updated in Feb. 2019

Quarterly	3Q2017	4Q2017	1Q2018	2Q2018	3Q2018	Growth Rate: Y-o-Y				
						3Q2017	4Q2017	1Q2018	2Q2018	3Q2018
Economy										
Real GDP (Billion yen in 2011 price)	533,628	534,798	533,646	537,599	-	(0.6)	(0.2)	(-0.2)	(0.7)	-
GDP (Billion yen)	549,410	551,058	549,013	552,821	-	(0.8)	(0.3)	(-0.4)	(0.7)	-
IIP (2010=100)	102.3	103.9	102.5	103.7	102.1	(0.5)	(1.6)	(-1.3)	(1.2)	(-1.5)
Raw Materials Production (1,000t)										
Crude Steel	25,942	26,395	26,406	26,565	25,648	-1.5	0.0	0.7	1.8	-1.1
Ethylene	1,607	1,685	1,601	1,392	1,489	9.0	1.7	-4.3	-11.1	-7.3
Cement	13,940	14,851	13,116	13,377	13,902	4.6	2.2	-1.9	2.6	-0.3
Paper & Pulp	6,532	6,755	6,527	6,505	-	0.3	1.2	-1.6	-1.3	-
Domestic Corporate Price Index (2015=100)										
CPI (2015=100)	98.8	99.7	100.3	100.9	101.8	2.8	3.4	2.4	2.5	3.0
Exchange Rate (¥/\$)	111.0	113.0	108.2	109.1	111.4	(-0.0)	(1.7)	(-4.2)	(0.8)	(2.2)
Crude Oil Price (CIF, \$/Bbl)	49.57	58.62	66.44	70.54	76.25	(-7.1)	(18.2)	(13.4)	(6.2)	(8.1)
LNG Price (CIF, \$/MMBtu)	428.93	412.85	469.02	502.16	527.51	(-0.9)	(-3.7)	(13.6)	(7.1)	(5.0)
Steam Coal (CIF, \$/t)	97.66	103.99	109.03	114.93	120.63	(-0.9)	(6.5)	(4.8)	(5.4)	(5.0)
Cooling Degree Days	0	345	690	28	0	-	31.2	1.5	-24.2	-100.0
Cooling Degree Day	377	2	0	37	445	-3.9	-74.5	-	111.9	18.0
Energy										
Total Primary Energy Supply (ktoe)	114,029	119,131	123,178	104,534	116,914	0.4	1.6	-1.1	-1.7	2.5
Coal										
Coal	32,376	32,193	30,943	28,225	32,320	0.3	2.5	-1.8	-0.5	-0.2
Oil										
Crude Oil	43,519	48,346	50,123	40,997	43,138	-0.7	-1.7	-1.8	-5.3	-0.9
Petroleum Products	43,446	42,864	43,626	37,865	41,776	-0.7	-2.0	-5.0	-5.0	-3.8
Natural Gas	72	5,481	6,497	3,132	1,362	-3.3	0.6	27.2	-8.6	1,786.0
LNG	716	801	816	664	700	5.1	10.1	-10.8	-13.6	-2.2
Hydro	26,101	27,751	31,478	22,147	27,670	-4.7	1.4	-3.4	-3.6	6.0
Nuclear	4,760	4,019	3,760	5,548	5,469	8.0	7.8	10.3	12.1	14.9
New Energies	2,098	1,714	1,480	2,175	3,018	101.4	96.2	50.6	41.7	43.8
CO ₂ Emission (Mt- CO ₂)	4,458	4,307	4,580	4,777	4,599	#REF!	12.7	11.2	6.6	3.2
Electricity ※										
Power Generation (Billion Wh)	236,115	229,925	247,412	198,438	-	-1.0	2.7	1.5	-0.7	-
Hydro										
Hydro	24,012	20,126	19,249	27,459	-	8.9	10.0	12.2	12.1	-
Thermal										
Thermal	198,616	198,069	216,806	156,110	-	-4.7	-0.1	-0.7	-4.9	-
Nuclear										
Nuclear	9,638	7,869	6,740	9,943	-	100.4	95.8	48.6	41.4	-
New Energies										
New Energies	3,779	3,782	4,531	4,868	-	22.8	13.7	17.2	16.9	-
Fuel Consumption										
Coal (1,000t)	30,905	29,558	30,348	23,729	-	2.7	2.7	4.2	-1.9	-
Crude Oil (Million l)	237	430	666	71	-	-65.4	-26.6	-23.7	-72.1	-
Fuel Oil (Million l)	1,481	1,523	2,146	730	-	-29.0	-26.4	-0.6	-31.0	-
LNG (1,000t)	13,400	13,409	15,065	11,017	-	-6.5	-0.8	-4.9	-0.2	-
Electricity Sales (Billion Wh)										
Low voltage	236,298	217,968	250,802	205,608	-	0.3	1.3	3.3	-1.7	-
Lighting Contract	65,432	64,060	90,316	56,808	-	0.2	0.2	5.2	-4.4	-
Power Contract	10,558	8,273	11,186	7,806	-	0.3	0.3	5.4	-4.5	-
High voltage	84,953	74,434	78,742	71,079	-	-0.5	-0.5	3.9	-3.8	-
Extra-High Voltage	61,549	58,077	56,898	58,432	-	-0.2	-0.2	1.9	-0.6	-
Electric Power Demand (Billion Wh)	61,549	58,077	56,898	58,432	-	0.8	0.8	1.1	2.0	-
Natural Gas										
City Gas Sales (Million m ³)	232,547	224,934	243,561	202,017	242,357	-0.3	-0.3	1.6	1.0	4.2
Residential	9,386	10,348	12,895	9,135	-	-2.2	3.5	2.3	-7.3	-
Commercial	1,201	2,356	3,940	2,225	-	1.3	9.4	3.8	-6.5	-
Industrial	1,167	974	1,279	916	-	-1.2	0.7	3.1	-3.5	-
Others	6,012	6,210	6,506	5,286	-	-3.6	2.5	1.1	-8.8	-
Oil										
Fuel Oil Sales (Million l)	1,007	808	1,169	708	-	0.9	-1.2	3.3	-2.3	-
Gasoline	41,387	46,361	46,978	37,952	40,354	-0.3	-1.9	-1.7	-5.2	-2.5
Naphtha	13,868	13,158	12,230	12,466	13,663	-1.6	-1.9	-0.6	-0.9	-1.5
Kerosene	11,133	11,904	11,081	9,789	10,486	6.5	1.2	-7.1	-10.9	-5.8
Diesel/Gas Oil	1,607	5,727	7,243	1,835	1,518	5.3	5.2	-0.3	-11.2	-5.5
Fuel Oil A	8,531	8,718	8,405	8,121	8,451	1.0	-0.5	1.9	-0.5	-0.9
Fuel Oil B/C	2,269	3,127	3,593	2,460	2,368	-5.9	-4.9	-0.4	-2.2	4.4
for Power Generation	2,500	2,559	3,347	1,882	2,461	-22.3	-22.4	6.0	-22.9	-1.5
LPG (1,000t)	1,370	1,319	2,225	805	-	-32.2	-33.3	8.7	-38.3	-
Crude Oil										
Imports (Million l)	2,755	3,161	3,598	2,828	2,554	-2.2	-1.4	-2.7	-5.2	-7.3
Middle East Ratio (%)	47,426	47,668	46,055	41,478	45,073	1.5	-0.4	-5.2	-5.6	-5.0
Crude Oil Processing (Million l)	87.1	88.5	89.5	89.2	88.1	[1.4]	[1.1]	[2.1]	[5.2]	[1.0]

Note: Growth Rate in (xx) shows the growth rate from the previous quarter, and in [xx] shows the difference from the previous year.

※ The scope of the survey is Electric Utilities.

Source: IEEJ Databank. Original statistics are sourced and compiled from statistics of METI, MOF and Bank of Japan.

Other statistics are available at IEEJ website, and more for members of the EDMC Databank.