

03

歷年能源供給 (按能源別_數量)

Energy Supply (by Energy Type_Quantity)

單位：千公噸油當量

Unit : 10³ TOE

年別 Year	總供給 Total	煤及 煤產品 Coal and Coal Products	原油及 石油產品 Crude Oil and Petroleum Products	天然氣 Natural Gas	核能 Nuclear
2004	119,426.1	36,000.3	62,531.7	8,801.7	10,291.1
2005	120,579.1	35,775.2	63,632.2	8,873.7	10,416.7
2006	123,043.6	37,095.3	64,106.8	9,518.4	10,390.3
2007	129,507.9	38,980.3	67,831.3	10,098.8	10,564.5
2008	124,600.7	37,969.5	62,938.4	10,976.7	10,639.5
2009	121,729.2	34,685.3	63,524.1	10,719.5	10,833.4
2010	127,499.4	38,012.6	63,238.3	13,310.2	10,848.4
2011	123,909.1	39,601.3	56,561.3	14,632.3	10,975.6
2012	126,495.6	38,281.8	59,992.7	15,378.5	10,533.9
2013	128,528.0	39,639.5	60,365.7	15,347.4	10,851.2
2014	132,430.0	39,546.7	63,409.1	16,223.7	11,046.6
2015	130,373.2	39,040.7	62,216.2	17,352.0	9,504.4
2016	130,691.5	38,733.5	63,276.7	18,027.0	8,251.0
2017	130,706.2	39,822.2	62,726.1	19,987.2	5,849.3
2018	132,704.0	39,379.7	63,381.3	20,345.8	7,213.0
2019	132,312.7	39,873.4	61,410.0	19,999.8	8,423.5
2020	123,401.0	37,440.7	53,781.8	21,396.8	8,193.3
2021	128,625.7	39,931.0	55,210.3	23,465.6	7,241.5
2022	126,442.3	37,459.4	55,376.7	24,132.7	6,190.5
2023	118,425.0	34,131.3	52,064.5	24,030.0	4,639.2
2024	114,590.1	33,341.9	48,976.2	24,646.3	3,174.2

較上年變動(%)
Annual Change

- 3.24

- 2.31

- 5.93

2.56

- 31.58

註：總供給 = 自產 + 進口。

Note : Energy Supply = Indigenous Production + Import.



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歷年能源供給 (按能源別_數量) (續)

Energy Supply (by Energy Type_Quantity) (Cont.)

單位：千公噸油當量

Unit：10³ TOE

年別 Year	再生能源 Renewable Energy						
	小計 Subtotal	慣常水力 Hydro	地熱 Geothermal	太陽光電 Solar PV	風力 Wind	生質能及 廢棄物 Biomass and Waste	太陽熱能 Solar Thermal
2004	1,801.2	276.0	-	0.1	2.2	1,439.5	83.4
2005	1,881.3	350.1	-	0.1	7.9	1,435.5	87.8
2006	1,932.9	351.6	-	0.1	23.7	1,465.3	92.2
2007	2,032.9	379.9	-	0.2	37.8	1,520.1	94.9
2008	2,076.7	370.2	-	0.4	50.6	1,556.9	98.6
2009	1,966.9	322.4	-	0.8	67.7	1,474.2	101.9
2010	2,089.9	360.7	-	1.9	88.3	1,536.2	102.9
2011	2,138.7	344.0	-	5.3	128.4	1,559.1	101.9
2012	2,308.6	487.6	-	13.7	121.6	1,583.1	102.6
2013	2,324.3	466.4	-	27.6	141.0	1,587.7	101.5
2014	2,203.9	371.3	-	45.5	129.0	1,557.1	100.9
2015	2,260.0	384.4	-	73.1	131.2	1,569.1	102.2
2016	2,403.4	564.3	-	95.4	125.3	1,517.4	100.9
2017	2,321.4	468.4	-	143.4	148.1	1,459.7	101.8
2018	2,384.3	385.4	0.0	232.5	147.0	1,525.1	94.2
2019	2,606.0	476.9	0.7	345.5	162.7	1,529.4	91.0
2020	2,588.4	259.6	1.6	522.4	198.6	1,512.2	94.0
2021	2,777.4	298.8	7.8	685.4	195.3	1,518.0	72.1
2022	3,282.9	501.9	21.5	918.1	307.7	1,533.8	-
2023	3,560.0	340.8	19.9	1,110.2	536.5	1,552.5	-
2024	4,451.5	361.9	23.0	1,315.5	903.8	1,847.3	-
較上年變動(%) Annual Change	25.04	6.19	15.44	18.48	68.47	18.99	-

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歷年能源供給 (按能源別_占比)

Energy Supply (by Energy Type_%)

單位：百分比
Unit : %

年別 Year	總供給 Total	煤及 煤產品 Coal and Coal Products	原油及 石油產品 Crude Oil and Petroleum Products	天然氣 Natural Gas	核能 Nuclear
2004	100.00	30.14	52.36	7.37	8.62
2005	100.00	29.67	52.77	7.36	8.64
2006	100.00	30.15	52.10	7.74	8.44
2007	100.00	30.10	52.38	7.80	8.16
2008	100.00	30.47	50.51	8.81	8.54
2009	100.00	28.49	52.18	8.81	8.90
2010	100.00	29.81	49.60	10.44	8.51
2011	100.00	31.96	45.65	11.81	8.86
2012	100.00	30.26	47.43	12.16	8.33
2013	100.00	30.84	46.97	11.94	8.44
2014	100.00	29.86	47.88	12.25	8.34
2015	100.00	29.95	47.72	13.31	7.29
2016	100.00	29.64	48.42	13.79	6.31
2017	100.00	30.47	47.99	15.29	4.48
2018	100.00	29.67	47.76	15.33	5.44
2019	100.00	30.14	46.41	15.12	6.37
2020	100.00	30.34	43.58	17.34	6.64
2021	100.00	31.04	42.92	18.24	5.63
2022	100.00	29.63	43.80	19.09	4.90
2023	100.00	28.82	43.96	20.29	3.92
2024	100.00	29.10	42.74	21.51	2.77
較上年差異 (百分點) 2024 vs. 2023	-	0.28	- 1.22	1.22	- 1.15



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歷年能源供給（按能源別_占比）（續）

Energy Supply (by Energy Type_%) (Cont.)

單位：百分比
Unit：%

年別 Year	再生能源 Renewable Energy						
	小計 Sub-total	慣常水力 Hydro	地熱 Geothermal	太陽光電 Solar PV	風力 Wind	生質能及 廢棄物 Biomass and Waste	太陽熱能 Solar Thermal
2004	1.51	0.23	-	0.00	0.00	1.21	0.07
2005	1.56	0.29	-	0.00	0.01	1.19	0.07
2006	1.57	0.29	-	0.00	0.02	1.19	0.07
2007	1.57	0.29	-	0.00	0.03	1.17	0.07
2008	1.67	0.30	-	0.00	0.04	1.25	0.08
2009	1.62	0.26	-	0.00	0.06	1.21	0.08
2010	1.64	0.28	-	0.00	0.07	1.20	0.08
2011	1.73	0.28	-	0.00	0.10	1.26	0.08
2012	1.83	0.39	-	0.01	0.10	1.25	0.08
2013	1.81	0.36	-	0.02	0.11	1.24	0.08
2014	1.66	0.28	-	0.03	0.10	1.18	0.08
2015	1.73	0.29	-	0.06	0.10	1.20	0.08
2016	1.84	0.43	-	0.07	0.10	1.16	0.08
2017	1.78	0.36	-	0.11	0.11	1.12	0.08
2018	1.80	0.29	0.00	0.18	0.11	1.15	0.07
2019	1.97	0.36	0.00	0.26	0.12	1.16	0.07
2020	2.10	0.21	0.00	0.42	0.16	1.23	0.08
2021	2.16	0.23	0.01	0.53	0.15	1.18	0.06
2022	2.60	0.40	0.02	0.73	0.24	1.21	-
2023	3.01	0.29	0.02	0.94	0.45	1.31	-
2024	3.88	0.32	0.02	1.15	0.79	1.61	-
較上年差異 (百分點) 2024 vs. 2023	0.88	0.03	0.00	0.21	0.34	0.30	-

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歷年能源供給 (自產_數量)
Energy Supply (Indigenous_Quantity)

單位：千公噸油當量
Unit : 10³ TOE

年別 Year	合計 Total	原油 Crude Oil	煉油廠進料 Refinery Feedstocks	天然氣 Natural Gas
2004	2,504.0	40.1	26.4	636.3
2005	2,366.6	29.2	18.2	438.0
2006	2,349.6	21.2	25.1	370.4
2007	2,417.4	16.0	35.1	333.5
2008	2,439.4	14.5	62.4	285.9
2009	2,312.6	14.4	50.9	280.5
2010	2,388.5	12.8	48.9	237.0
2011	2,459.9	10.2	47.0	264.1
2012	2,715.3	10.2	43.0	353.6
2013	2,678.6	9.5	40.1	304.9
2014	2,570.5	8.1	55.1	303.5
2015	2,641.5	8.3	74.3	299.0
2016	2,738.1	7.6	70.0	257.2
2017	2,614.0	4.9	75.2	212.6
2018	2,850.4	4.2	311.8	158.1
2019	3,062.2	3.5	325.7	133.8
2020	3,003.5	2.0	332.8	84.3
2021	3,213.2	2.2	345.4	88.2
2022	3,676.6	1.7	315.4	76.6
2023	3,943.6	1.5	309.4	72.7
2024	4,843.5	1.3	335.4	55.2
較上年變動(%) Annual Change	22.82	- 9.19	8.40	- 24.07



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歷年能源供給 (自產_數量) (續)

Energy Supply (Indigenous_Quantity) (Cont.)

單位：千公噸油當量

Unit : 10³ TOE

年別 Year	再生能源 Renewable Energy						
	小計 Subtotal	慣常水力 Hydro	地熱 Geother- mal	太陽光電 Solar PV	風力 Wind	生質能及 廢棄物 Biomass and Waste	太陽熱能 Solar Thermal
2004	1,801.2	276.0	-	0.1	2.2	1,439.5	83.4
2005	1,881.3	350.1	-	0.1	7.9	1,435.5	87.8
2006	1,932.9	351.6	-	0.1	23.7	1,465.3	92.2
2007	2,032.8	379.9	-	0.2	37.8	1,520.0	94.9
2008	2,076.6	370.2	-	0.4	50.6	1,556.9	98.6
2009	1,966.8	322.4	-	0.8	67.7	1,474.2	101.9
2010	2,089.8	360.7	-	1.9	88.3	1,536.1	102.9
2011	2,138.6	344.0	-	5.3	128.4	1,559.1	101.9
2012	2,308.5	487.6	-	13.7	121.6	1,582.9	102.6
2013	2,324.2	466.4	-	27.6	141.0	1,587.6	101.5
2014	2,203.8	371.3	-	45.5	129.0	1,557.0	100.9
2015	2,259.9	384.4	-	73.1	131.2	1,569.0	102.2
2016	2,403.3	564.3	-	95.4	125.3	1,517.4	100.9
2017	2,321.4	468.4	-	143.4	148.1	1,459.6	101.8
2018	2,376.3	385.4	0.0	232.5	147.0	1,517.1	94.2
2019	2,599.3	476.9	0.7	345.5	162.7	1,522.6	91.0
2020	2,584.5	259.6	1.6	522.4	198.6	1,508.2	94.0
2021	2,777.4	298.8	7.8	685.4	195.3	1,518.0	72.1
2022	3,282.9	501.9	21.5	918.1	307.7	1,533.7	-
2023	3,560.0	340.8	19.9	1,110.2	536.5	1,552.5	-
2024	4,451.5	361.9	23.0	1,315.5	903.8	1,847.3	-
較上年變動(%) Annual Change	25.04	6.19	15.44	18.48	68.47	18.99	-

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歷年能源供給 (自產_占比)

Energy Supply (Indigenous_%)

單位：百分比
Unit：%

年別 Year	合計 Total	原油 Crude Oil	煉油廠進料 Refinery Feedstocks	天然氣 Natural Gas
2004	2.10	0.03	0.02	0.53
2005	1.96	0.02	0.02	0.36
2006	1.91	0.02	0.02	0.30
2007	1.87	0.01	0.03	0.26
2008	1.96	0.01	0.05	0.23
2009	1.90	0.01	0.04	0.23
2010	1.87	0.01	0.04	0.19
2011	1.99	0.01	0.04	0.21
2012	2.15	0.01	0.03	0.28
2013	2.08	0.01	0.03	0.24
2014	1.94	0.01	0.04	0.23
2015	2.03	0.01	0.06	0.23
2016	2.10	0.01	0.05	0.20
2017	2.00	0.00	0.06	0.16
2018	2.15	0.00	0.23	0.12
2019	2.31	0.00	0.25	0.10
2020	2.43	0.00	0.27	0.07
2021	2.50	0.00	0.27	0.07
2022	2.91	0.00	0.25	0.06
2023	3.33	0.00	0.26	0.06
2024	4.23	0.00	0.29	0.05
較上年差異 (百分點) 2024 vs. 2023	0.90	- 0.00	0.03	- 0.01



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歷年能源供給 (自產_占比) (續)

Energy Supply (Indigenous_%) (Cont.)

單位：百分比
Unit：%

年別 Year	再生能源 Renewable Energy						
	小計 Sub-total	慣常水力 Hydro	地熱 Geothermal	太陽光電 Solar PV	風力 Wind	生質能及 廢棄物 Biomass and Waste	太陽熱能 Solar Thermal
2004	1.51	0.23	-	0.00	0.00	1.21	0.07
2005	1.56	0.29	-	0.00	0.01	1.19	0.07
2006	1.57	0.29	-	0.00	0.02	1.19	0.07
2007	1.57	0.29	-	0.00	0.03	1.17	0.07
2008	1.67	0.30	-	0.00	0.04	1.25	0.08
2009	1.62	0.26	-	0.00	0.06	1.21	0.08
2010	1.64	0.28	-	0.00	0.07	1.20	0.08
2011	1.73	0.28	-	0.00	0.10	1.26	0.08
2012	1.82	0.39	-	0.01	0.10	1.25	0.08
2013	1.81	0.36	-	0.02	0.11	1.24	0.08
2014	1.66	0.28	-	0.03	0.10	1.18	0.08
2015	1.73	0.29	-	0.06	0.10	1.20	0.08
2016	1.84	0.43	-	0.07	0.10	1.16	0.08
2017	1.78	0.36	-	0.11	0.11	1.12	0.08
2018	1.79	0.29	0.00	0.18	0.11	1.14	0.07
2019	1.96	0.36	0.00	0.26	0.12	1.15	0.07
2020	2.09	0.21	0.00	0.42	0.16	1.22	0.08
2021	2.16	0.23	0.01	0.53	0.15	1.18	0.06
2022	2.60	0.40	0.02	0.73	0.24	1.21	-
2023	3.01	0.29	0.02	0.94	0.45	1.31	-
2024	3.88	0.32	0.02	1.15	0.79	1.61	-
較上年差異 (百分點) 2024 vs. 2023	0.88	0.03	0.00	0.21	0.34	0.30	-

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歷年能源供給 (進口_數量)

Energy Supply (Imported_Quantity)

單位：千公噸油當量

Unit : 10³ TOE

年別 Year	合計 Total	煤及 煤產品 Coal and Coal Products	原油及 石油產品 Crude Oil and Petroleum Products	液化天然氣 LNG	生質能及 廢棄物 Biomass and Waste	核能 Nuclear
2004	116,922.0	36,000.3	62,465.2	8,165.5	-	10,291.1
2005	118,212.5	35,775.2	63,584.9	8,435.7	-	10,416.7
2006	120,694.0	37,095.3	64,060.4	9,148.0	-	10,390.3
2007	127,090.5	38,980.3	67,780.2	9,765.3	0.1	10,564.5
2008	122,161.4	37,969.5	62,861.5	10,690.9	0.0	10,639.5
2009	119,416.6	34,685.3	63,458.9	10,439.0	0.0	10,833.4
2010	125,111.0	38,012.6	63,176.5	13,073.2	0.1	10,848.4
2011	121,449.2	39,601.3	56,504.1	14,368.2	0.1	10,975.6
2012	123,780.2	38,281.8	59,939.5	15,024.9	0.1	10,533.9
2013	125,849.5	39,639.5	60,316.1	15,042.5	0.1	10,851.2
2014	129,859.4	39,546.7	63,345.9	15,920.2	0.1	11,046.6
2015	127,731.7	39,040.7	62,133.6	17,053.0	0.1	9,504.4
2016	127,953.4	38,733.5	63,199.0	17,769.8	0.1	8,251.0
2017	128,092.2	39,822.2	62,646.0	19,774.6	0.1	5,849.3
2018	129,853.6	39,379.7	63,065.3	20,187.7	8.0	7,213.0
2019	129,250.5	39,873.4	61,080.8	19,866.1	6.8	8,423.5
2020	120,397.5	37,440.7	53,447.1	21,312.5	3.9	8,193.3
2021	125,412.6	39,931.0	54,862.6	23,377.4	0.0	7,241.5
2022	122,765.7	37,459.4	55,059.6	24,056.1	0.0	6,190.5
2023	114,481.4	34,131.3	51,753.6	23,957.3	0.1	4,639.2
2024	109,746.6	33,341.9	48,639.4	24,591.1	0.0	3,174.2
較上年變動(%) Annual Change	- 4.14	- 2.31	- 6.02	2.65	- 49.95	- 31.58



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歷年能源供給 (進口_占比)

Energy Supply (Imported_%)

單位：百分比
Unit：%

年別 Year	合計 Total	煤及 煤產品 Coal and Coal Products	原油及 石油產品 Crude Oil and Petroleum Products	液化天然氣 LNG	生質能及 廢棄物 Biomass and Waste	核能 Nuclear
2004	97.90	30.14	52.30	6.84	-	8.62
2005	98.04	29.67	52.73	7.00	-	8.64
2006	98.09	30.15	52.06	7.43	-	8.44
2007	98.13	30.10	52.34	7.54	0.00	8.16
2008	98.04	30.47	50.45	8.58	0.00	8.54
2009	98.10	28.49	52.13	8.58	0.00	8.90
2010	98.13	29.81	49.55	10.25	0.00	8.51
2011	98.01	31.96	45.60	11.60	0.00	8.86
2012	97.85	30.26	47.38	11.88	0.00	8.33
2013	97.92	30.84	46.93	11.70	0.00	8.44
2014	98.06	29.86	47.83	12.02	0.00	8.34
2015	97.97	29.95	47.66	13.08	0.00	7.29
2016	97.90	29.64	48.36	13.60	0.00	6.31
2017	98.00	30.47	47.93	15.13	0.00	4.48
2018	97.85	29.67	47.52	15.21	0.01	5.44
2019	97.69	30.14	46.16	15.01	0.01	6.37
2020	97.57	30.34	43.31	17.27	0.00	6.64
2021	97.50	31.04	42.65	18.17	0.00	5.63
2022	97.09	29.63	43.55	19.03	0.00	4.90
2023	96.67	28.82	43.70	20.23	0.00	3.92
2024	95.77	29.10	42.45	21.46	0.00	2.77
較上年差異 (百分點) 2024 vs. 2023	-0.90	0.28	-1.26	1.23	-0.00	-1.15

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歷年能源供給 (初級能源總供給)

Energy Supply (Total Primary Energy Supply)

單位：千公噸油當量

Unit: 10³ TOE

年別 Year	初級能源 總供給 Total Primary Energy Supply	自產 Indigenous Production	進口 Import	出口 Exports	國際海運 International Marine Bunkers	國際航空 International Civil Aviation	存貨變動 Stock Changes
2004	98,689.7	2,504.0	116,922.0	13,399.5	2,494.3	1,974.0	2,868.5
2005	99,578.4	2,366.6	118,212.5	15,566.2	2,448.2	2,044.5	941.7
2006	102,221.2	2,349.6	120,694.0	14,898.4	2,414.2	2,128.4	1,381.4
2007	107,245.9	2,417.4	127,090.5	17,634.7	2,160.9	2,102.8	363.5
2008	103,138.1	2,439.4	122,161.4	17,139.3	1,861.3	1,856.1	605.9
2009	100,791.0	2,312.6	119,416.6	18,790.5	1,647.8	1,754.1	- 1,254.1
2010	107,579.2	2,388.5	125,111.0	16,257.8	1,780.3	1,979.1	- 97.0
2011	107,478.5	2,459.9	121,449.2	13,970.2	1,628.5	1,974.1	- 1,142.2
2012	106,606.6	2,715.3	123,780.2	16,999.9	1,182.0	2,075.0	- 367.9
2013	108,559.5	2,678.6	125,849.5	17,540.2	1,224.0	2,200.2	- 995.9
2014	110,757.0	2,570.5	129,859.4	17,455.8	1,173.4	2,399.9	643.7
2015	109,505.5	2,641.5	127,731.7	16,919.8	1,097.9	2,556.2	293.8
2016	110,008.0	2,738.1	127,953.4	17,378.6	1,295.9	2,747.4	- 738.4
2017	109,646.2	2,614.0	128,092.2	17,116.1	1,211.0	2,848.2	- 115.3
2018	110,926.0	2,850.4	129,853.6	18,404.3	1,176.2	2,910.6	- 713.0
2019	108,076.8	3,062.2	129,250.5	19,582.2	1,300.0	3,008.5	345.3
2020	105,743.3	3,003.5	120,397.5	13,052.7	1,195.6	1,866.8	1,542.6
2021	110,450.8	3,213.2	125,412.6	14,309.1	1,486.9	1,823.5	555.4
2022	106,243.6	3,676.6	122,765.7	16,712.2	1,400.9	1,808.8	276.8
2023	100,221.7	3,943.6	114,481.4	14,754.9	1,236.7	2,587.2	- 375.5
2024	95,457.5	4,843.5	109,746.6	14,486.4	1,249.0	3,092.8	304.3

較上年變動(%)
Annual Change

- 4.75 22.82 - 4.14 - 1.82 1.00 19.54 - 181.03

註：初級能源總供給 = 自產 + 進口 - 出口 - 國際海運 - 國際航空 - 存貨變動。

Note: Total Primary Energy Supply = Indigenous Production + Import - Exports - International Marine Bunkers - International Civil Aviation - Stock Changes.