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發電量 (全國_數量)

Electricity Generation (National_Quantity)

單位：百萬度

Unit : GWh

年別 Year	總計 Grand Total	抽蓄水力 Pumped Storage	火力 Thermal				核能 Nuclear
			合計 Total	燃煤 Coal- Fired	燃油 Oil- Fired	燃氣 LNG- Fired	
2003	209,072.4	3,860.5	160,110.5	112,335.4	19,414.0	28,361.2	38,891.6
2004	218,396.6	3,345.7	168,975.9	115,331.5	17,485.7	36,158.7	39,490.1
2005	227,512.3	3,838.5	176,160.8	120,044.2	17,200.8	38,915.8	39,972.0
2006	235,530.1	3,910.7	184,005.1	124,048.8	19,846.6	40,109.7	39,870.5
2007	243,116.6	3,932.7	190,319.9	128,462.8	16,823.9	45,033.2	40,539.2
2008	238,305.4	3,467.2	185,752.3	122,201.8	15,038.7	48,511.8	40,826.9
2009	230,037.2	3,305.1	177,351.4	120,668.0	9,402.8	47,280.6	41,571.1
2010	247,058.9	3,061.0	193,729.4	122,352.7	11,130.8	60,245.9	41,628.7
2011	252,167.0	2,902.1	198,161.4	124,468.0	9,487.8	64,205.6	42,116.5
2012	250,373.4	2,936.9	196,352.1	122,436.8	7,623.2	66,292.1	40,421.7
2013	252,340.8	3,187.1	196,656.2	121,449.1	6,818.1	68,389.0	41,639.4
2014	259,963.9	3,121.2	204,528.7	123,444.7	8,013.9	73,070.2	42,389.0
2015	258,141.9	3,035.0	208,157.0	117,158.8	11,989.2	79,009.0	36,471.1
2016	264,107.7	3,293.7	216,419.9	121,225.0	11,891.3	83,303.6	31,661.4
2017	270,256.4	3,333.7	232,107.9	127,949.5	12,716.7	91,441.7	22,445.5
2018	275,539.2	3,370.8	231,837.0	131,256.7	8,171.4	92,409.0	27,678.3
2019	274,193.6	3,208.1	223,395.8	126,400.8	5,849.6	91,145.5	32,323.4
2020	279,999.6	3,158.9	230,214.3	125,907.4	4,419.6	99,887.3	31,440.2
2021	291,033.2	3,184.0	242,530.3	128,840.4	5,331.1	108,358.8	27,787.9
2022	288,185.7	3,062.2	237,483.3	121,027.9	4,449.5	112,005.9	23,754.8
2023	282,286.6	3,051.1	234,562.3	119,157.1	3,775.6	111,629.6	17,802.0
較上年變動(%) Annual Change	- 2.05	- 0.36	- 1.23	- 1.55	- 15.14	- 0.34	- 25.06

單位：百萬度

Unit：GWh

年別 Year	再生能源 Renewable Energy						
	合計 Total	慣常水力 Hydro	地熱 Geother- mal	太陽光電 Solar PV	風力 Wind	生質能 Biomass	廢棄物 Waste
2003	6,209.7	3,034.5	-	0.5	23.8	394.3	2,756.7
2004	6,585.0	3,209.9	-	0.6	25.3	348.5	3,000.8
2005	7,540.9	4,071.4	-	1.0	91.3	323.5	3,053.8
2006	7,743.8	4,088.4	-	1.5	276.1	321.3	3,056.7
2007	8,324.8	4,417.5	-	2.2	439.5	302.3	3,163.3
2008	8,259.1	4,305.1	-	4.5	588.3	272.5	3,088.7
2009	7,809.5	3,748.3	-	9.1	786.6	229.3	3,036.1
2010	8,639.8	4,194.1	-	21.7	1,026.3	270.0	3,127.6
2011	8,987.1	3,999.7	-	61.6	1,492.7	236.1	3,196.9
2012	10,662.7	5,669.6	-	159.9	1,413.5	242.1	3,177.7
2013	10,858.1	5,422.9	-	321.1	1,640.0	228.5	3,245.7
2014	9,925.1	4,317.9	-	528.8	1,500.5	252.5	3,325.5
2015	10,478.8	4,470.1	-	850.3	1,525.2	249.0	3,384.2
2016	12,732.8	6,562.0	-	1,109.0	1,457.1	208.1	3,396.6
2017	12,369.3	5,446.8	-	1,667.5	1,722.5	191.6	3,341.0
2018	12,653.0	4,481.6	0.0	2,703.7	1,709.5	191.6	3,566.6
2019	15,266.2	5,544.8	0.8	4,017.0	1,892.2	176.5	3,634.9
2020	15,186.1	3,019.2	1.9	6,074.7	2,308.9	211.8	3,569.7
2021	17,530.9	3,474.7	9.1	7,970.2	2,270.8	201.7	3,604.5
2022	23,885.4	5,836.5	25.0	10,677.0	3,577.5	164.3	3,605.1
2023	26,871.2	3,963.0	23.2	12,908.7	6,238.3	238.6	3,499.5
較上年變動(%) Annual Change	12.50	- 32.10	- 7.37	20.90	74.38	45.23	- 2.93

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發電量 (全國_占比)

Electricity Generation (National_%)

單位：百分比

Unit：%

年別 Year	總計 Grand Total	抽蓄水力 Pumped Storage	火力 Thermal				核能 Nuclear
			合計 Total	燃煤 Coal-Fired	燃油 Oil-Fired	燃氣 LNG-Fired	
2003	100.00	1.85	76.58	53.73	9.29	13.57	18.60
2004	100.00	1.53	77.37	52.81	8.01	16.56	18.08
2005	100.00	1.69	77.43	52.76	7.56	17.10	17.57
2006	100.00	1.66	78.12	52.67	8.43	17.03	16.93
2007	100.00	1.62	78.28	52.84	6.92	18.52	16.67
2008	100.00	1.45	77.95	51.28	6.31	20.36	17.13
2009	100.00	1.44	77.10	52.46	4.09	20.55	18.07
2010	100.00	1.24	78.41	49.52	4.51	24.39	16.85
2011	100.00	1.15	78.58	49.36	3.76	25.46	16.70
2012	100.00	1.17	78.42	48.90	3.04	26.48	16.14
2013	100.00	1.26	77.93	48.13	2.70	27.10	16.50
2014	100.00	1.20	78.68	47.49	3.08	28.11	16.31
2015	100.00	1.18	80.64	45.39	4.64	30.61	14.13
2016	100.00	1.25	81.94	45.90	4.50	31.54	11.99
2017	100.00	1.23	85.88	47.34	4.71	33.84	8.31
2018	100.00	1.22	84.14	47.64	2.97	33.54	10.05
2019	100.00	1.17	81.47	46.10	2.13	33.24	11.79
2020	100.00	1.13	82.22	44.97	1.58	35.67	11.23
2021	100.00	1.09	83.33	44.27	1.83	37.23	9.55
2022	100.00	1.06	82.41	42.00	1.54	38.87	8.24
2023	100.00	1.08	83.09	42.21	1.34	39.54	6.31
較上年差異 (百分點) Percentage Point							
	-	0.02	0.69	0.21	- 0.21	0.68	- 1.94



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發電量 (全國_占比) (續)

Electricity Generation (National_%) (Cont.)

單位：百分比

Unit：%

年別 Year	再生能源 Renewable Energy						
	合計 Total	慣常水力 Hydro	地熱 Geo- thermal	太陽光電 Solar PV	風力 Wind	生質能 Biomass	廢棄物 Waste
2003	2.97	1.45	-	0.00	0.01	0.19	1.32
2004	3.02	1.47	-	0.00	0.01	0.16	1.37
2005	3.31	1.79	-	0.00	0.04	0.14	1.34
2006	3.29	1.74	-	0.00	0.12	0.14	1.30
2007	3.42	1.82	-	0.00	0.18	0.12	1.30
2008	3.47	1.81	-	0.00	0.25	0.11	1.30
2009	3.39	1.63	-	0.00	0.34	0.10	1.32
2010	3.50	1.70	-	0.01	0.42	0.11	1.27
2011	3.56	1.59	-	0.02	0.59	0.09	1.27
2012	4.26	2.26	-	0.06	0.56	0.10	1.27
2013	4.30	2.15	-	0.13	0.65	0.09	1.29
2014	3.82	1.66	-	0.20	0.58	0.10	1.28
2015	4.06	1.73	-	0.33	0.59	0.10	1.31
2016	4.82	2.48	-	0.42	0.55	0.08	1.29
2017	4.58	2.02	-	0.62	0.64	0.07	1.24
2018	4.59	1.63	0.00	0.98	0.62	0.07	1.29
2019	5.57	2.02	0.00	1.47	0.69	0.06	1.33
2020	5.42	1.08	0.00	2.17	0.82	0.08	1.27
2021	6.02	1.19	0.00	2.74	0.78	0.07	1.24
2022	8.29	2.03	0.01	3.70	1.24	0.06	1.25
2023	9.52	1.40	0.01	4.57	2.21	0.08	1.24
較上年差異 (百分點) Percentage Point	1.23	- 0.62	- 0.00	0.87	0.97	0.03	- 0.01

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發電量 (台電_數量)

Electricity Generation (Taipower_Quantity)

單位：百萬度

Unit : GWh

年別 Year	合計 Total	抽蓄水力 Pumped Storage	火力 Thermal			
			小計 Subtotal	燃煤 Coal-Fired	燃油 Oil-Fired	燃氣 LNG-Fired
2003	142,558.7	3,860.5	96,785.7	61,274.3	14,016.3	21,495.2
2004	140,372.6	3,345.7	94,340.1	61,979.1	11,383.4	20,977.6
2005	147,466.6	3,838.5	99,551.5	65,769.9	10,919.6	22,862.1
2006	156,172.6	3,910.7	108,189.1	68,794.0	14,465.0	24,930.2
2007	161,152.6	3,932.7	112,082.3	70,657.4	12,198.5	29,226.4
2008	162,044.7	3,467.2	113,317.1	69,218.3	11,446.3	32,652.5
2009	150,129.6	3,305.1	101,280.1	64,304.7	6,126.4	30,849.0
2010	165,008.7	3,061.0	115,726.6	64,902.2	8,254.7	42,569.7
2011	170,066.9	2,902.1	120,353.5	67,896.8	7,307.7	45,149.0
2012	172,749.6	2,936.9	123,128.9	67,500.1	5,659.8	49,969.0
2013	171,278.2	3,187.1	120,414.1	63,813.0	5,275.3	51,325.9
2014	176,094.9	3,121.2	125,672.1	64,167.1	6,603.5	54,901.5
2015	175,674.4	3,035.0	131,068.1	60,084.9	10,687.8	60,295.4
2016	181,164.3	3,293.7	139,144.4	65,259.7	10,447.9	63,436.8
2017	187,715.6	3,333.7	155,864.1	73,239.1	11,595.3	71,029.6
2018	190,027.2	3,370.8	153,859.6	74,794.5	6,750.6	72,314.5
2019	187,944.8	3,208.1	146,066.7	71,320.6	4,557.9	70,188.2
2020	191,100.1	3,158.9	152,523.0	70,151.2	3,137.6	79,234.2
2021	196,677.4	3,184.0	161,116.2	73,435.0	4,057.4	83,623.7
2022	195,780.5	3,062.2	161,748.9	71,921.7	3,586.1	86,241.1
2023	181,388.8	3,051.1	155,347.8	67,970.0	3,146.4	84,231.4
較上年變動(%) Annual Change	- 7.35	- 0.36	- 3.96	- 5.49	- 12.26	- 2.33

單位：百萬度

Unit : GWh

年別 Year	核能 Nuclear	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
2003	38,891.6	3,020.8	3,011.0	-	-	9.8
2004	39,490.1	3,196.7	3,183.9	-	-	12.8
2005	39,972.0	4,104.5	4,027.5	-	-	77.0
2006	39,870.5	4,202.3	4,028.1	-	-	174.2
2007	40,539.2	4,598.5	4,322.0	-	-	276.5
2008	40,826.9	4,433.6	4,160.8	-	0.1	272.7
2009	41,571.1	3,973.2	3,601.5	-	0.1	371.7
2010	41,628.7	4,592.4	4,073.4	-	3.9	515.2
2011	42,116.5	4,694.8	3,883.2	-	8.6	803.0
2012	40,421.7	6,262.1	5,512.3	-	13.2	736.5
2013	41,639.4	6,037.6	5,272.8	-	16.8	748.1
2014	42,389.0	4,912.6	4,183.1	-	22.9	706.5
2015	36,471.1	5,100.3	4,358.5	-	25.2	716.5
2016	31,661.4	7,064.8	6,395.9	-	23.2	645.7
2017	22,445.5	6,072.3	5,302.4	-	24.1	745.8
2018	27,678.3	5,118.5	4,334.2	-	31.7	752.6
2019	32,323.4	6,346.6	5,416.7	-	149.9	779.9
2020	31,440.2	3,977.9	2,925.7	-	258.4	793.9
2021	27,787.9	4,589.3	3,376.5	-	412.5	800.3
2022	23,754.8	7,214.6	5,701.2	-	406.5	1,106.8
2023	17,802.0	5,188.0	3,882.0	2.0	398.8	905.2
較上年變動(%) Annual Change	- 25.06	- 28.09	- 31.91	-	- 1.91	- 18.22

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發電量 (台電_占比)

Electricity Generation (Taipower_%)

單位：百分比

Unit：%

年別 Year	合計 Total	抽蓄水力 Pumped Storage	火力 Thermal			
			小計 Subtotal	燃煤 Coal-Fired	燃油 Oil-Fired	燃氣 LNG-Fired
2003	68.19	1.85	46.29	29.31	6.70	10.28
2004	64.27	1.53	43.20	28.38	5.21	9.61
2005	64.82	1.69	43.76	28.91	4.80	10.05
2006	66.31	1.66	45.93	29.21	6.14	10.58
2007	66.29	1.62	46.10	29.06	5.02	12.02
2008	68.00	1.45	47.55	29.05	4.80	13.70
2009	65.26	1.44	44.03	27.95	2.66	13.41
2010	66.79	1.24	46.84	26.27	3.34	17.23
2011	67.44	1.15	47.73	26.93	2.90	17.90
2012	69.00	1.17	49.18	26.96	2.26	19.96
2013	67.88	1.26	47.72	25.29	2.09	20.34
2014	67.74	1.20	48.34	24.68	2.54	21.12
2015	68.05	1.18	50.77	23.28	4.14	23.36
2016	68.59	1.25	52.68	24.71	3.96	24.02
2017	69.46	1.23	57.67	27.10	4.29	26.28
2018	68.97	1.22	55.84	27.14	2.45	26.24
2019	68.54	1.17	53.27	26.01	1.66	25.60
2020	68.25	1.13	54.47	25.05	1.12	28.30
2021	67.58	1.09	55.36	25.23	1.39	28.73
2022	67.94	1.06	56.13	24.96	1.24	29.93
2023	64.26	1.08	55.03	24.08	1.11	29.84
較上年差異 (百分點) Percentage Point						
	- 3.68	0.02	- 1.09	- 0.88	- 0.13	- 0.09



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發電量 (台電_占比) (續)

Electricity Generation (Taipower_%) (Cont.)

單位：百分比

Unit：%

年別 Year	核能 Nuclear	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
2003	18.60	1.44	1.44	-	-	0.00
2004	18.08	1.46	1.46	-	-	0.01
2005	17.57	1.80	1.77	-	-	0.03
2006	16.93	1.78	1.71	-	-	0.07
2007	16.67	1.89	1.78	-	-	0.11
2008	17.13	1.86	1.75	-	0.00	0.11
2009	18.07	1.73	1.57	-	0.00	0.16
2010	16.85	1.86	1.65	-	0.00	0.21
2011	16.70	1.86	1.54	-	0.00	0.32
2012	16.14	2.50	2.20	-	0.01	0.29
2013	16.50	2.39	2.09	-	0.01	0.30
2014	16.31	1.89	1.61	-	0.01	0.27
2015	14.13	1.98	1.69	-	0.01	0.28
2016	11.99	2.67	2.42	-	0.01	0.24
2017	8.31	2.25	1.96	-	0.01	0.28
2018	10.05	1.86	1.57	-	0.01	0.27
2019	11.79	2.31	1.98	-	0.05	0.28
2020	11.23	1.42	1.04	-	0.09	0.28
2021	9.55	1.58	1.16	-	0.14	0.27
2022	8.24	2.50	1.98	-	0.14	0.38
2023	6.31	1.84	1.38	0.00	0.14	0.32
較上年差異 (百分點) Percentage Point	- 1.94	- 0.67	- 0.60	0.00	0.00	- 0.06

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發電量 (民營電廠_數量)

Electricity Generation (IPP_Quantity)

單位：百萬度

Unit：GWh

年別 Year	合計 Total	火力 Thermal			再生能源 Renewable Energy				
		小計 Subtotal	燃煤 Coal-Fired	燃氣 LNG-Fired	小計 Sub-total	慣常 水力 Hydro	地熱 Geo-thermal	太陽光電 Solar PV	風力 Wind
2003	28,516.1	28,492.6	22,642.4	5,850.2	23.5	23.5	-	-	-
2004	35,404.2	35,378.2	21,099.8	14,278.4	26.0	26.0	-	-	-
2005	37,564.4	37,520.6	21,971.5	15,549.0	43.8	43.8	-	-	-
2006	37,026.0	36,875.6	22,190.8	14,684.8	150.4	60.2	-	-	90.2
2007	37,643.4	37,395.0	22,343.0	15,052.0	248.4	95.5	-	-	152.9
2008	36,931.0	36,480.3	21,361.0	15,119.2	450.7	144.3	-	-	306.4
2009	40,172.4	39,618.9	23,906.5	15,712.4	553.5	146.8	-	-	406.7
2010	41,422.7	40,801.1	24,070.0	16,731.0	621.6	120.7	-	-	500.8
2011	42,280.4	41,480.6	23,225.5	18,255.0	799.8	116.5	-	-	683.3
2012	40,059.5	39,234.0	23,680.7	15,553.3	825.6	157.2	-	-	668.3
2013	40,531.5	39,491.8	23,077.6	16,414.2	1,039.7	150.1	-	5.8	883.8
2014	41,626.4	40,684.9	23,107.2	17,577.6	941.5	134.8	-	19.9	786.9
2015	42,322.5	41,381.9	23,126.5	18,255.3	940.7	111.6	-	29.8	799.2
2016	43,407.3	42,401.4	22,921.9	19,479.5	1,005.9	166.2	-	36.0	803.8
2017	43,695.4	42,513.0	22,580.8	19,932.2	1,182.4	144.4	-	69.8	968.2
2018	41,951.1	40,791.9	21,177.7	19,614.3	1,159.2	147.5	-	84.7	927.0
2019	42,580.3	41,231.7	20,727.8	20,503.9	1,348.6	128.1	-	137.5	1,083.0
2020	44,850.0	42,567.2	22,314.2	20,253.1	2,282.8	93.2	-	696.6	1,493.0
2021	47,758.3	44,561.6	20,301.9	24,259.7	3,196.7	97.0	9.1	1,626.7	1,464.0
2022	50,838.6	45,664.5	20,845.6	24,818.9	5,174.2	129.3	22.8	2,557.9	2,464.2
2023	56,285.1	47,388.7	21,154.9	26,233.9	8,896.4	75.9	15.9	3,472.0	5,332.7
較上年 變動(%) Annual Change	10.71	3.78	1.48	5.70	71.94	-41.34	-30.47	35.74	116.41



發電量 (民營電廠_占比)

Electricity Generation (IPP_%)

單位：百分比

Unit：%

年別 Year	合計 Total	火力 Thermal			再生能源 Renewable Energy				
		小計 Subtotal	燃煤 Coal-Fired	燃氣 LNG-Fired	小計 Sub-total	慣常 水力 Hydro	地熱 Geo-thermal	太陽光電 Solar PV	風力 Wind
2003	13.64	13.63	10.83	2.80	0.01	0.01	-	-	-
2004	16.21	16.20	9.66	6.54	0.01	0.01	-	-	-
2005	16.51	16.49	9.66	6.83	0.02	0.02	-	-	-
2006	15.72	15.66	9.42	6.23	0.06	0.03	-	-	0.04
2007	15.48	15.38	9.19	6.19	0.10	0.04	-	-	0.06
2008	15.50	15.31	8.96	6.34	0.19	0.06	-	-	0.13
2009	17.46	17.22	10.39	6.83	0.24	0.06	-	-	0.18
2010	16.77	16.51	9.74	6.77	0.25	0.05	-	-	0.20
2011	16.77	16.45	9.21	7.24	0.32	0.05	-	-	0.27
2012	16.00	15.67	9.46	6.21	0.33	0.06	-	-	0.27
2013	16.06	15.65	9.15	6.50	0.41	0.06	-	0.00	0.35
2014	16.01	15.65	8.89	6.76	0.36	0.05	-	0.01	0.30
2015	16.40	16.03	8.96	7.07	0.36	0.04	-	0.01	0.31
2016	16.44	16.05	8.68	7.38	0.38	0.06	-	0.01	0.30
2017	16.17	15.73	8.36	7.38	0.44	0.05	-	0.03	0.36
2018	15.23	14.80	7.69	7.12	0.42	0.05	-	0.03	0.34
2019	15.53	15.04	7.56	7.48	0.49	0.05	-	0.05	0.39
2020	16.02	15.20	7.97	7.23	0.82	0.03	-	0.25	0.53
2021	16.41	15.31	6.98	8.34	1.10	0.03	0.00	0.56	0.50
2022	17.64	15.85	7.23	8.61	1.80	0.04	0.01	0.89	0.86
2023	19.94	16.79	7.49	9.29	3.15	0.03	0.01	1.23	1.89
較上年差異 (百分點) Percentage Point	2.30	0.94	0.26	0.68	1.36	- 0.02	-0.00	0.34	1.03

01

發電量 (自用發電設備_數量)

Electricity Generation (Autoproducers_Quantity)

單位：百萬度

Unit : GWh

年別 Year	合計 Total	火力 Thermal			
		小計 Subtotal	燃煤 Coal-Fired	燃油 Oil-Fired	燃氣 LNG-Fired
2003	37,997.7	34,832.2	28,418.8	5,397.7	1,015.8
2004	42,619.9	39,257.6	32,252.6	6,102.3	902.7
2005	42,481.2	39,088.7	32,302.8	6,281.2	504.7
2006	42,331.5	38,940.3	33,064.0	5,381.6	494.8
2007	44,320.5	40,842.6	35,462.5	4,625.4	754.8
2008	39,329.7	35,954.9	31,622.5	3,592.4	740.1
2009	39,735.1	36,452.4	32,456.8	3,276.4	719.2
2010	40,627.5	37,201.7	33,380.5	2,876.2	945.1
2011	39,819.8	36,327.3	33,345.6	2,180.1	801.5
2012	37,564.3	33,989.2	31,256.0	1,963.4	769.8
2013	40,531.0	36,750.2	34,558.4	1,542.9	648.9
2014	42,242.7	38,171.7	36,170.3	1,410.4	591.0
2015	40,144.9	35,707.0	33,947.4	1,301.4	458.3
2016	39,536.0	34,874.1	33,043.3	1,443.3	387.4
2017	38,845.4	33,730.9	32,129.5	1,121.4	479.9
2018	43,560.9	37,185.5	35,284.5	1,420.8	480.3
2019	43,668.5	36,097.5	34,352.4	1,291.7	453.4
2020	44,049.4	35,124.1	33,442.1	1,282.1	400.0
2021	46,597.4	36,852.6	35,103.5	1,273.7	475.4
2022	41,566.6	30,069.9	28,260.7	863.4	945.9
2023	44,612.7	31,825.8	30,032.2	629.3	1,164.4
較上年變動(%) Annual Change	7.33	5.84	6.27	- 27.12	23.10



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發電量 (自用發電設備_數量) (續)

Electricity Generation (Autoproducers_Quantity) (Cont.)

單位：百萬度

Unit : GWh

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 Biomass	廢棄物 Waste
2003	3,165.4	-	-	0.5	14.0	394.3	2,756.7
2004	3,362.3	-	-	0.6	12.4	348.5	3,000.8
2005	3,392.6	-	-	1.0	14.3	323.5	3,053.8
2006	3,391.2	-	-	1.5	11.7	321.3	3,056.7
2007	3,477.9	-	-	2.2	10.2	302.3	3,163.3
2008	3,374.8	-	-	4.4	9.2	272.5	3,088.7
2009	3,282.8	-	-	9.0	8.3	229.3	3,036.1
2010	3,425.8	-	-	17.9	10.3	270.0	3,127.6
2011	3,492.5	-	-	53.0	6.5	236.1	3,196.9
2012	3,575.1	-	-	146.7	8.6	242.1	3,177.7
2013	3,780.8	-	-	298.5	8.1	228.5	3,245.7
2014	4,070.9	-	-	486.0	7.0	252.5	3,325.5
2015	4,437.9	-	-	795.2	9.5	249.0	3,384.2
2016	4,662.0	-	-	1,049.8	7.6	208.1	3,396.6
2017	5,114.6	-	-	1,573.5	8.5	191.6	3,341.0
2018	6,375.4	-	0.0	2,587.2	30.0	191.6	3,566.6
2019	7,571.1	-	0.8	3,729.6	29.3	176.5	3,634.9
2020	8,925.4	0.3	1.9	5,119.7	22.0	211.8	3,569.7
2021	9,744.9	1.2	0.0	5,930.9	6.5	201.7	3,604.5
2022	11,496.7	6.0	2.2	7,712.6	6.5	164.3	3,605.1
2023	12,786.8	5.1	5.3	9,037.9	0.4	238.6	3,499.5
較上年變動(%) Annual Change	11.22	- 14.32	142.81	17.18	- 93.69	45.23	- 2.93

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發電量 (自用發電設備_占比)

Electricity Generation (Autoproducers_%)

單位：百分比

Unit：%

年別 Year	合計 Total	火力 Thermal			
		小計 Subtotal	燃煤 Coal-Fired	燃油 Oil-Fired	燃氣 LNG-Fired
2003	18.17	16.66	13.59	2.58	0.49
2004	19.51	17.98	14.77	2.79	0.41
2005	18.67	17.18	14.20	2.76	0.22
2006	17.97	16.53	14.04	2.28	0.21
2007	18.23	16.80	14.59	1.90	0.31
2008	16.50	15.09	13.27	1.51	0.31
2009	17.27	15.85	14.11	1.42	0.31
2010	16.44	15.06	13.51	1.16	0.38
2011	15.79	14.41	13.22	0.86	0.32
2012	15.00	13.58	12.48	0.78	0.31
2013	16.06	14.56	13.70	0.61	0.26
2014	16.25	14.68	13.91	0.54	0.23
2015	15.55	13.83	13.15	0.50	0.18
2016	14.97	13.20	12.51	0.55	0.15
2017	14.37	12.48	11.89	0.41	0.18
2018	15.81	13.50	12.81	0.52	0.17
2019	15.93	13.16	12.53	0.47	0.17
2020	15.73	12.54	11.94	0.46	0.14
2021	16.01	12.66	12.06	0.44	0.16
2022	14.42	10.43	9.81	0.30	0.33
2023	15.80	11.27	10.64	0.22	0.41
較上年差異 (百分點) Percentage Point	1.38	0.84	0.83	- 0.08	0.08



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發電量（自用發電設備_占比）（續）

Electricity Generation (Autoproducers_%) (Cont.)

單位：百分比

Unit：%

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 Biomass	廢棄物 Waste
2003	1.51	-	-	0.00	0.01	0.19	1.32
2004	1.54	-	-	0.00	0.01	0.16	1.37
2005	1.49	-	-	0.00	0.01	0.14	1.34
2006	1.44	-	-	0.00	0.00	0.14	1.30
2007	1.43	-	-	0.00	0.00	0.12	1.30
2008	1.42	-	-	0.00	0.00	0.11	1.30
2009	1.43	-	-	0.00	0.00	0.10	1.32
2010	1.39	-	-	0.01	0.00	0.11	1.27
2011	1.38	-	-	0.02	0.00	0.09	1.27
2012	1.43	-	-	0.06	0.00	0.10	1.27
2013	1.50	-	-	0.12	0.00	0.09	1.29
2014	1.57	-	-	0.19	0.00	0.10	1.28
2015	1.72	-	-	0.31	0.00	0.10	1.31
2016	1.77	-	-	0.40	0.00	0.08	1.29
2017	1.89	-	-	0.58	0.00	0.07	1.24
2018	2.31	-	0.00	0.94	0.01	0.07	1.29
2019	2.76	-	0.00	1.36	0.01	0.06	1.33
2020	3.19	0.00	0.00	1.83	0.01	0.08	1.27
2021	3.35	0.00	0.00	2.04	0.00	0.07	1.24
2022	3.99	0.00	0.00	2.68	0.00	0.06	1.25
2023	4.53	0.00	0.00	3.20	0.00	0.08	1.24
較上年差異 （百分點） Percentage Point	0.54	- 0.00	0.00	0.53	- 0.00	0.03	- 0.01