

02

## 發電裝置容量 (全國\_數量)

Installed Capacity (Nationwide\_Quantity)

 單位：千瓩  
Unit: MW

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	
2004	41,936.5	2,602.0	31,632.3	16,432.8	4,578.0	10,621.5	5,144.0
2005	43,137.4	2,602.0	32,783.4	17,028.1	4,605.7	11,149.7	5,144.0
2006	45,020.5	2,602.0	34,563.7	18,232.0	4,548.3	11,783.5	5,144.0
2007	45,848.6	2,602.0	35,283.6	17,903.5	4,575.7	12,804.5	5,144.0
2008	46,324.6	2,602.0	35,675.5	17,846.1	4,553.9	13,275.5	5,144.0
2009	47,921.0	2,602.0	37,145.0	17,898.1	4,481.4	14,765.5	5,144.0
2010	48,843.5	2,602.0	37,900.4	17,988.6	4,185.1	15,726.7	5,144.0
2011	48,753.2	2,602.0	37,608.1	17,988.6	3,884.1	15,735.4	5,144.0
2012	48,379.1	2,602.0	37,039.1	17,417.6	3,886.1	15,735.4	5,144.0
2013	48,798.8	2,602.0	37,237.0	17,436.2	3,875.0	15,925.8	5,144.0
2014	48,412.8	2,602.0	36,602.0	16,801.5	3,832.1	15,968.4	5,144.0
2015	48,665.5	2,602.0	36,590.1	16,789.6	3,832.1	15,968.4	5,144.0
2016	49,579.4	2,602.0	37,107.8	17,609.6	3,829.8	15,668.4	5,144.0
2017	49,285.9	2,602.0	36,281.4	18,350.9	3,026.0	14,904.6	5,144.0
2018	52,665.8	2,602.0	39,300.5	19,325.1	3,081.7	16,893.6	4,508.0
2019	56,138.5	2,602.0	41,866.1	21,008.2	3,071.7	17,786.2	3,872.0
2020	57,821.9	2,602.0	41,781.9	21,008.2	2,095.1	18,678.7	3,872.0
2021	59,400.7	2,602.0	42,301.8	20,994.5	2,091.6	19,215.7	2,887.0
2022	61,942.6	2,602.0	42,322.1	20,994.5	2,106.0	19,221.7	2,887.0
2023	64,044.0	2,602.0	41,584.7	20,504.4	2,107.5	18,972.8	1,902.0
2024	66,716.3	2,602.0	42,096.7	19,885.3	2,115.0	20,096.4	951.0
較上年變動(%) Annual Change	4.17	-	1.23	- 3.02	0.36	5.92	- 50.00



02

## 發電裝置容量 (全國\_數量) (續)

Installed Capacity (Nationwide\_Quantity) (Cont.)

單位：千瓩

Unit : MW

年別 Year	再生能源 Renewable Energy						
	合計 Total	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
2004	2,558.2	1,909.7	-	0.6	8.5	97.6	541.8
2005	2,608.0	1,909.7	-	1.0	23.9	89.5	583.8
2006	2,710.7	1,909.7	-	1.4	102.0	88.1	609.5
2007	2,818.9	1,921.3	-	2.4	186.0	86.8	622.5
2008	2,903.2	1,938.0	-	5.6	250.4	86.8	622.5
2009	3,030.0	1,937.0	-	9.5	374.3	86.8	622.5
2010	3,197.1	1,977.5	-	34.6	475.9	86.8	622.5
2011	3,399.1	2,040.8	-	129.9	522.7	81.3	624.4
2012	3,594.0	2,081.3	-	231.3	571.0	81.3	629.1
2013	3,815.9	2,081.3	-	409.9	614.2	81.3	629.1
2014	4,064.9	2,081.3	-	636.0	637.2	81.3	629.1
2015	4,329.4	2,089.3	-	884.3	646.7	80.0	629.1
2016	4,725.6	2,089.3	-	1,245.1	682.1	80.0	629.1
2017	5,258.5	2,089.3	-	1,767.7	692.4	80.0	629.1
2018	6,255.3	2,091.5	0.0	2,738.1	713.2	80.6	631.9
2019	7,798.4	2,092.5	0.3	4,149.5	845.2	79.0	631.9
2020	9,566.0	2,093.2	0.3	5,817.2	937.1	86.2	631.9
2021	11,609.9	2,093.9	4.5	7,700.2	1,094.2	85.2	631.9
2022	14,131.4	2,098.0	5.0	9,723.7	1,581.1	91.7	631.9
2023	17,955.3	2,103.7	7.3	12,417.7	2,677.4	82.8	666.5
2024	21,066.6	2,122.6	7.5	14,281.1	3,905.0	83.8	666.5
較上年變動(%) Annual Change	17.33	0.90	2.74	15.01	45.85	1.31	-

02

## 發電裝置容量 (全國\_占比)

Installed Capacity (Nationwide\_%)

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	
2004	100.00	6.20	75.43	39.19	10.92	25.33	12.27
2005	100.00	6.03	76.00	39.47	10.68	25.85	11.92
2006	100.00	5.78	76.77	40.50	10.10	26.17	11.43
2007	100.00	5.68	76.96	39.05	9.98	27.93	11.22
2008	100.00	5.62	77.01	38.52	9.83	28.66	11.10
2009	100.00	5.43	77.51	37.35	9.35	30.81	10.73
2010	100.00	5.33	77.60	36.83	8.57	32.20	10.53
2011	100.00	5.34	77.14	36.90	7.97	32.28	10.55
2012	100.00	5.38	76.56	36.00	8.03	32.53	10.63
2013	100.00	5.33	76.31	35.73	7.94	32.64	10.54
2014	100.00	5.37	75.60	34.70	7.92	32.98	10.63
2015	100.00	5.35	75.19	34.50	7.87	32.81	10.57
2016	100.00	5.25	74.85	35.52	7.72	31.60	10.38
2017	100.00	5.28	73.61	37.23	6.14	30.24	10.44
2018	100.00	4.94	74.62	36.69	5.85	32.08	8.56
2019	100.00	4.63	74.58	37.42	5.47	31.68	6.90
2020	100.00	4.50	72.26	36.33	3.62	32.30	6.70
2021	100.00	4.38	71.21	35.34	3.52	32.35	4.86
2022	100.00	4.20	68.32	33.89	3.40	31.03	4.66
2023	100.00	4.06	64.93	32.02	3.29	29.62	2.97
2024	100.00	3.90	63.10	29.81	3.17	30.12	1.43
較上年差異 (百分點) 2024 vs. 2023	-	- 0.16	- 1.83	- 2.21	- 0.12	0.50	- 1.54



02

## 發電裝置容量 (全國\_占比) (續)

Installed Capacity (Nationwide\_%) (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 Geothermal	太陽光電 Solar PV	風力 Wind	生質能 Biomass	廢棄物 Waste
2004	6.10	4.55	-	0.00	0.02	0.23	1.29
2005	6.05	4.43	-	0.00	0.06	0.21	1.35
2006	6.02	4.24	-	0.00	0.23	0.20	1.35
2007	6.15	4.19	-	0.01	0.41	0.19	1.36
2008	6.27	4.18	-	0.01	0.54	0.19	1.34
2009	6.32	4.04	-	0.02	0.78	0.18	1.30
2010	6.55	4.05	-	0.07	0.97	0.18	1.27
2011	6.97	4.19	-	0.27	1.07	0.17	1.28
2012	7.43	4.30	-	0.48	1.18	0.17	1.30
2013	7.82	4.27	-	0.84	1.26	0.17	1.29
2014	8.40	4.30	-	1.31	1.32	0.17	1.30
2015	8.90	4.29	-	1.82	1.33	0.16	1.29
2016	9.53	4.21	-	2.51	1.38	0.16	1.27
2017	10.67	4.24	-	3.59	1.40	0.16	1.28
2018	11.88	3.97	0.00	5.20	1.35	0.15	1.20
2019	13.89	3.73	0.00	7.39	1.51	0.14	1.13
2020	16.54	3.62	0.00	10.06	1.62	0.15	1.09
2021	19.55	3.53	0.01	12.96	1.84	0.14	1.06
2022	22.81	3.39	0.01	15.70	2.55	0.15	1.02
2023	28.04	3.28	0.01	19.39	4.18	0.13	1.04
2024	31.58	3.18	0.01	21.41	5.85	0.13	1.00
較上年差異 (百分點) 2024 vs. 2023	3.54	-0.10	-0.00	2.02	1.67	-0.00	-0.04

02

## 發電裝置容量 (台電\_數量)

Installed Capacity (Taipower\_Quantity)

單位：千瓩

Unit：MW

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
2004	27,591.1	2,602.0	17,943.7	8,100.0	3,571.1	6,272.6
2005	28,893.9	2,602.0	19,231.1	8,650.0	3,608.7	6,972.4
2006	30,093.7	2,602.0	20,400.9	9,200.0	3,609.7	7,591.2
2007	30,792.5	2,602.0	21,015.7	8,800.0	3,609.7	8,606.0
2008	31,263.5	2,602.0	21,486.7	8,800.0	3,609.7	9,077.0
2009	32,311.0	2,602.0	22,487.2	8,800.0	3,610.2	10,077.0
2010	32,944.2	2,602.0	23,010.0	8,800.0	3,625.6	10,584.4
2011	32,758.4	2,602.0	22,717.7	8,800.0	3,324.6	10,593.1
2012	32,204.8	2,602.0	22,119.7	8,200.0	3,326.6	10,593.1
2013	32,218.0	2,602.0	22,132.5	8,200.0	3,325.4	10,607.1
2014	31,651.0	2,602.0	21,560.5	7,600.0	3,325.4	10,635.1
2015	31,668.9	2,602.0	21,560.5	7,600.0	3,325.4	10,635.1
2016	32,466.6	2,602.0	22,358.2	8,400.0	3,323.1	10,635.1
2017	31,749.8	2,602.0	21,641.4	9,200.0	2,570.1	9,871.3
2018	33,414.6	2,602.0	23,933.0	10,000.0	2,569.1	11,363.9
2019	35,385.7	2,602.0	26,425.6	11,600.0	2,569.1	12,256.5
2020	35,455.5	2,602.0	26,341.4	11,600.0	1,592.5	13,149.0
2021	34,570.8	2,602.0	26,341.4	11,600.0	1,592.5	13,149.0
2022	34,587.2	2,602.0	26,341.4	11,600.0	1,592.5	13,149.0
2023	32,813.9	2,602.0	25,522.3	11,100.0	1,592.5	12,829.8
2024	32,506.0	2,602.0	26,145.9	10,600.0	1,592.5	13,953.4
較上年變動(%) Annual Change	- 0.94	-	2.44	- 4.50	-	8.76



02

## 發電裝置容量 (台電\_數量) (續)

Installed Capacity (Taipower\_Quantity) (Cont.)

單位：千瓩

Unit：MW

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
2004	5,144.0	1,901.4	1,899.0	-	-	2.4
2005	5,144.0	1,916.8	1,899.0	-	-	17.8
2006	5,144.0	1,946.8	1,899.0	-	-	47.8
2007	5,144.0	2,030.8	1,899.0	-	-	131.8
2008	5,144.0	2,030.8	1,899.0	-	-	131.8
2009	5,144.0	2,077.8	1,898.0	-	-	179.8
2010	5,144.0	2,188.2	1,938.5	-	0.5	249.2
2011	5,144.0	2,294.7	2,001.8	-	6.1	286.8
2012	5,144.0	2,339.1	2,042.2	-	10.1	286.8
2013	5,144.0	2,339.5	2,042.2	-	10.5	286.8
2014	5,144.0	2,344.5	2,042.2	-	15.5	286.8
2015	5,144.0	2,362.4	2,050.2	-	18.2	294.0
2016	5,144.0	2,362.4	2,050.2	-	18.2	294.0
2017	5,144.0	2,362.4	2,050.2	-	18.2	294.0
2018	4,508.0	2,371.6	2,050.2	-	18.2	303.2
2019	3,872.0	2,486.1	2,050.2	-	123.6	312.4
2020	3,872.0	2,640.0	2,050.3	-	277.4	312.4
2021	2,887.0	2,740.4	2,050.3	-	283.8	406.2
2022	2,887.0	2,756.7	2,054.3	-	287.1	415.2
2023	1,902.0	2,787.7	2,059.8	0.8	287.8	439.2
2024	951.0	2,807.2	2,076.3	0.8	290.7	439.2
較上年變動(%) Annual Change	- 50.00	0.70	0.80	-	1.02	-

02

## 發電裝置容量 (台電\_占比)

Installed Capacity (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
2004	65.79	6.20	42.79	19.31	8.52	14.96
2005	66.98	6.03	44.58	20.05	8.37	16.16
2006	66.84	5.78	45.31	20.44	8.02	16.86
2007	67.16	5.68	45.84	19.19	7.87	18.77
2008	67.49	5.62	46.38	19.00	7.79	19.59
2009	67.43	5.43	46.93	18.36	7.53	21.03
2010	67.45	5.33	47.11	18.02	7.42	21.67
2011	67.19	5.34	46.60	18.05	6.82	21.73
2012	66.57	5.38	45.72	16.95	6.88	21.90
2013	66.02	5.33	45.35	16.80	6.81	21.74
2014	65.38	5.37	44.53	15.70	6.87	21.97
2015	65.07	5.35	44.30	15.62	6.83	21.85
2016	65.48	5.25	45.10	16.94	6.70	21.45
2017	64.42	5.28	43.91	18.67	5.21	20.03
2018	63.45	4.94	45.44	18.99	4.88	21.58
2019	63.03	4.63	47.07	20.66	4.58	21.83
2020	61.32	4.50	45.56	20.06	2.75	22.74
2021	58.20	4.38	44.35	19.53	2.68	22.14
2022	55.84	4.20	42.53	18.73	2.57	21.23
2023	51.24	4.06	39.85	17.33	2.49	20.03
2024	48.72	3.90	39.19	15.89	2.39	20.91
較上年差異 (百分點) 2024 vs. 2023	- 2.51	- 0.16	- 0.66	- 1.44	- 0.10	0.88



02

## 發電裝置容量 (台電\_占比) (續)

Installed Capacity (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
2004	12.27	4.53	4.53	-	-	0.01
2005	11.92	4.44	4.40	-	-	0.04
2006	11.43	4.32	4.22	-	-	0.11
2007	11.22	4.43	4.14	-	-	0.29
2008	11.10	4.38	4.10	-	-	0.28
2009	10.73	4.34	3.96	-	-	0.38
2010	10.53	4.48	3.97	-	0.00	0.51
2011	10.55	4.71	4.11	-	0.01	0.59
2012	10.63	4.83	4.22	-	0.02	0.59
2013	10.54	4.79	4.18	-	0.02	0.59
2014	10.63	4.84	4.22	-	0.03	0.59
2015	10.57	4.85	4.21	-	0.04	0.60
2016	10.38	4.76	4.14	-	0.04	0.59
2017	10.44	4.79	4.16	-	0.04	0.60
2018	8.56	4.50	3.89	-	0.03	0.58
2019	6.90	4.43	3.65	-	0.22	0.56
2020	6.70	4.57	3.55	-	0.48	0.54
2021	4.86	4.61	3.45	-	0.48	0.68
2022	4.66	4.45	3.32	-	0.46	0.67
2023	2.97	4.35	3.22	0.00	0.45	0.69
2024	1.43	4.21	3.11	0.00	0.44	0.66
較上年差異 (百分點) 2024 vs. 2023	-1.54	-0.15	-0.10	-0.00	-0.01	-0.03

02

## 發電裝置容量 ( 民營電廠\_數量 )

Installed Capacity (IPP\_Quantity)

單位：千瓩

Unit：MW

年別 Year	合計 Total	火力 Thermal			再生能源 Renewable Energy				
		小計 Sub- total	燃煤 Coal- Fired	燃氣 LNG- Fired	小計 Sub- total	慣常 水力 Hydro	地熱 Geo- ther- mal	太陽 光電 Solar PV	風力 Wind
2004	7,230.7	7,220.0	3,100.0	4,120.0	10.7	10.7	-	-	-
2005	7,230.7	7,220.0	3,100.0	4,120.0	10.7	10.7	-	-	-
2006	7,280.5	7,220.0	3,100.0	4,120.0	60.5	10.7	-	-	49.8
2007	7,292.1	7,220.0	3,100.0	4,120.0	72.1	22.3	-	-	49.8
2008	7,373.2	7,220.0	3,100.0	4,120.0	153.2	39.0	-	-	114.2
2009	7,939.1	7,710.0	3,100.0	4,610.0	229.1	39.0	-	-	190.1
2010	7,971.3	7,710.0	3,100.0	4,610.0	261.3	39.0	-	-	222.3
2011	7,980.5	7,710.0	3,100.0	4,610.0	270.5	39.0	-	-	231.5
2012	8,028.9	7,710.0	3,100.0	4,610.0	318.9	39.1	-	-	279.8
2013	8,081.3	7,710.0	3,100.0	4,610.0	371.3	39.1	-	9.2	323.0
2014	8,110.5	7,710.0	3,100.0	4,610.0	400.5	39.1	-	15.5	346.0
2015	8,119.2	7,710.0	3,100.0	4,610.0	409.2	39.1	-	21.8	348.3
2016	8,162.8	7,710.0	3,100.0	4,610.0	452.8	39.1	-	30.1	383.7
2017	8,196.4	7,710.0	3,100.0	4,610.0	486.4	39.1	-	53.3	394.0
2018	8,732.4	8,216.3	3,110.3	5,106.0	516.1	41.3	-	69.3	405.5
2019	8,914.0	8,216.3	3,110.3	5,106.0	697.7	42.3	-	127.7	527.8
2020	9,682.4	8,216.3	3,110.3	5,106.0	1,466.1	42.2	-	805.5	618.5
2021	11,164.7	8,753.3	3,110.3	5,643.0	2,411.4	42.2	4.2	1,683.4	681.7
2022	12,239.0	8,753.3	3,110.3	5,643.0	3,485.7	42.2	4.2	2,279.8	1,159.6
2023	14,047.0	8,763.3	3,120.3	5,643.0	5,283.8	42.2	4.2	3,005.4	2,232.0
2024	15,442.7	8,763.3	3,120.3	5,643.0	6,679.4	42.3	4.2	3,173.3	3,459.6
較上年變動(% AnnualChange	9.94	-	-	-	26.41	0.44	-	5.58	55.00



02

## 發電裝置容量 ( 民營電廠\_占比 )

Installed Capacity (IPP\_%)

單位：百分比

Unit：%

年別 Year	合計 Total	火力 Thermal			再生能源 Renewable Energy				
		小計 Sub- total	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
2004	17.24	17.22	7.39	9.82	0.03	0.03	-	-	-
2005	16.76	16.74	7.19	9.55	0.02	0.02	-	-	-
2006	16.17	16.04	6.89	9.15	0.13	0.02	-	-	0.11
2007	15.90	15.75	6.76	8.99	0.16	0.05	-	-	0.11
2008	15.92	15.59	6.69	8.89	0.33	0.08	-	-	0.25
2009	16.57	16.09	6.47	9.62	0.48	0.08	-	-	0.40
2010	16.32	15.79	6.35	9.44	0.53	0.08	-	-	0.46
2011	16.37	15.81	6.36	9.46	0.55	0.08	-	-	0.47
2012	16.60	15.94	6.41	9.53	0.66	0.08	-	-	0.58
2013	16.56	15.80	6.35	9.45	0.76	0.08	-	0.02	0.66
2014	16.75	15.93	6.40	9.52	0.83	0.08	-	0.03	0.71
2015	16.68	15.84	6.37	9.47	0.84	0.08	-	0.04	0.72
2016	16.46	15.55	6.25	9.30	0.91	0.08	-	0.06	0.77
2017	16.63	15.64	6.29	9.35	0.99	0.08	-	0.11	0.80
2018	16.58	15.60	5.91	9.70	0.98	0.08	-	0.13	0.77
2019	15.88	14.64	5.54	9.10	1.24	0.08	-	0.23	0.94
2020	16.75	14.21	5.38	8.83	2.54	0.07	-	1.39	1.07
2021	18.80	14.74	5.24	9.50	4.06	0.07	0.01	2.83	1.15
2022	19.76	14.13	5.02	9.11	5.63	0.07	0.01	3.68	1.87
2023	21.93	13.68	4.87	8.81	8.25	0.07	0.01	4.69	3.49
2024	23.15	13.14	4.68	8.46	10.01	0.06	0.01	4.76	5.19
較上年差異 (百分點) 2024 vs. 2023	1.21	-0.55	-0.20	-0.35	1.76	-0.00	-0.00	0.06	1.70

02

## 發電裝置容量 (自用發電設備\_數量)

Installed Capacity (Autoproducers\_Quantity)

單位：千瓩

Unit：MW

年別 Year	合計 Total	火力 Thermal			
		小計 Subtotal	燃煤 Coal-Fired	燃油 Oil-Fired	燃氣 LNG Fired
2004	7,114.7	6,468.6	5,232.8	1,006.9	228.9
2005	7,012.8	6,332.3	5,278.1	997.0	57.3
2006	7,646.2	6,942.8	5,932.0	938.6	72.3
2007	7,764.0	7,047.9	6,003.5	966.0	78.5
2008	7,688.0	6,968.8	5,946.1	944.2	78.5
2009	7,670.9	6,947.8	5,998.1	871.2	78.5
2010	7,928.1	7,180.4	6,088.6	559.5	532.3
2011	8,014.3	7,180.4	6,088.6	559.5	532.3
2012	8,145.4	7,209.4	6,117.6	559.5	532.3
2013	8,499.5	7,394.5	6,136.2	549.6	708.7
2014	8,651.3	7,331.5	6,101.5	506.7	723.3
2015	8,877.3	7,319.6	6,089.6	506.7	723.3
2016	8,949.9	7,039.6	6,109.6	506.7	423.3
2017	9,339.7	6,930.0	6,050.9	455.9	423.3
2018	10,518.8	7,151.2	6,214.8	512.6	423.8
2019	11,838.7	7,224.2	6,297.8	502.6	423.8
2020	12,684.1	7,224.2	6,297.8	502.6	423.8
2021	13,665.2	7,207.0	6,284.1	499.1	423.8
2022	15,116.4	7,227.4	6,284.1	513.5	429.8
2023	17,183.0	7,299.1	6,284.1	515.0	500.0
2024	18,767.6	7,187.5	6,165.0	522.5	500.0
較上年變動(%) Annual Change	9.22	- 1.53	- 1.90	1.46	-



02

## 發電裝置容量 (自用發電設備\_數量) (續)

Installed Capacity (Autoproducers\_Quantity) (Cont.)

單位：千瓩

Unit : MW

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
2004	646.1	-	-	0.6	6.1	97.6	541.8
2005	680.4	-	-	1.0	6.1	89.5	583.8
2006	703.4	-	-	1.4	4.4	88.1	609.5
2007	716.1	-	-	2.4	4.4	86.8	622.5
2008	719.2	-	-	5.6	4.4	86.8	622.5
2009	723.1	-	-	9.5	4.4	86.8	622.5
2010	747.7	-	-	34.1	4.4	86.8	622.5
2011	834.0	-	-	123.8	4.4	81.3	624.4
2012	936.0	-	-	221.2	4.4	81.3	629.1
2013	1,105.1	-	-	390.2	4.4	81.3	629.1
2014	1,319.8	-	-	605.0	4.4	81.3	629.1
2015	1,557.7	-	-	844.2	4.4	80.0	629.1
2016	1,910.3	-	-	1,196.7	4.4	80.0	629.1
2017	2,409.7	-	-	1,696.2	4.4	80.0	629.1
2018	3,367.7	-	0.0	2,650.6	4.5	80.6	631.9
2019	4,614.5	-	0.3	3,898.3	5.0	79.0	631.9
2020	5,459.9	0.7	0.3	4,734.4	6.3	86.2	631.9
2021	6,458.1	1.5	0.3	5,733.0	6.3	85.2	631.9
2022	7,889.0	1.5	0.8	7,156.8	6.3	91.7	631.9
2023	9,883.9	1.7	2.2	9,124.5	6.2	82.8	666.5
2024	11,580.1	4.0	2.4	10,817.1	6.2	83.8	666.5
較上年變動(%) Annual Change	17.16	129.06	8.89	18.55	0.33	1.31	-

02

## 發電裝置容量 (自用發電設備\_占比)

Installed Capacity (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
2004	16.97	15.42	12.48	2.40	0.55
2005	16.26	14.68	12.24	2.31	0.13
2006	16.98	15.42	13.18	2.08	0.16
2007	16.93	15.37	13.09	2.11	0.17
2008	16.60	15.04	12.84	2.04	0.17
2009	16.01	14.50	12.52	1.82	0.16
2010	16.23	14.70	12.47	1.15	1.09
2011	16.44	14.73	12.49	1.15	1.09
2012	16.84	14.90	12.65	1.16	1.10
2013	17.42	15.15	12.57	1.13	1.45
2014	17.87	15.14	12.60	1.05	1.49
2015	18.24	15.04	12.51	1.04	1.49
2016	18.05	14.20	12.32	1.02	0.85
2017	18.95	14.06	12.28	0.93	0.86
2018	19.97	13.58	11.80	0.97	0.80
2019	21.09	12.87	11.22	0.90	0.75
2020	21.94	12.49	10.89	0.87	0.73
2021	23.01	12.13	10.58	0.84	0.71
2022	24.40	11.67	10.15	0.83	0.69
2023	26.83	11.40	9.81	0.80	0.78
2024	28.13	10.77	9.24	0.78	0.75
較上年差異 (百分點) 2024 vs. 2023	1.30	- 0.62	- 0.57	- 0.02	- 0.03



02

## 發電裝置容量 (自用發電設備\_占比) (續)

Installed Capacity (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 Geo- thermal	太陽光電 Solar PV	風力 Wind	生質能 Biomass	廢棄物 Waste
2004	1.54	-	-	0.00	0.01	0.23	1.29
2005	1.58	-	-	0.00	0.01	0.21	1.35
2006	1.56	-	-	0.00	0.01	0.20	1.35
2007	1.56	-	-	0.01	0.01	0.19	1.36
2008	1.55	-	-	0.01	0.01	0.19	1.34
2009	1.51	-	-	0.02	0.01	0.18	1.30
2010	1.53	-	-	0.07	0.01	0.18	1.27
2011	1.71	-	-	0.25	0.01	0.17	1.28
2012	1.93	-	-	0.46	0.01	0.17	1.30
2013	2.26	-	-	0.80	0.01	0.17	1.29
2014	2.73	-	-	1.25	0.01	0.17	1.30
2015	3.20	-	-	1.73	0.01	0.16	1.29
2016	3.85	-	-	2.41	0.01	0.16	1.27
2017	4.89	-	-	3.44	0.01	0.16	1.28
2018	6.39	-	0.00	5.03	0.01	0.15	1.20
2019	8.22	-	0.00	6.94	0.01	0.14	1.13
2020	9.44	0.00	0.00	8.19	0.01	0.15	1.09
2021	10.87	0.00	0.00	9.65	0.01	0.14	1.06
2022	12.74	0.00	0.00	11.55	0.01	0.15	1.02
2023	15.43	0.00	0.00	14.25	0.01	0.13	1.04
2024	17.36	0.01	0.00	16.21	0.01	0.13	1.00
較上年差異 (百分點) 2024 vs. 2023	1.92	0.00	0.00	1.97	-0.00	-0.00	-0.04