

28.發電裝置容量統計表

單位：千瓩

項 目	民 國 94年 2005	民 國 95年 2006	民 國 96年 2007	民 國 97年 2008	民 國 98年 2009	民 國 99年 2010	民 國 100年 2011	民 國 101年 2012
台電	28,893.9	30,093.7	30,792.5	31,263.5	32,311.0	32,944.2	32,758.4	32,205.0
水力	4,501.0	4,501.0	4,501.0	4,501.0	4,500.0	4,540.5	4,603.8	4,644.4
慣常 ¹	1,899.0	1,899.0	1,899.0	1,899.0	1,898.0	1,938.5	2,001.8	2,042.4
抽蓄	2,602.0	2,602.0	2,602.0	2,602.0	2,602.0	2,602.0	2,602.0	2,602.0
火力	19,231.1	20,400.9	21,015.7	21,486.7	22,487.2	23,010.0	22,717.7	22,119.7
燃煤	8,650.0	9,200.0	8,800.0	8,800.0	8,800.0	8,800.0	8,800.0	8,200.0
燃油	3,608.7	3,609.7	3,609.7	3,609.7	3,610.2	3,625.6	3,324.6	3,326.6
燃氣	6,972.4	7,591.2	8,606.0	9,077.0	10,077.0	10,584.4	10,593.1	10,593.1
核能	5,144.0	5,144.0	5,144.0	5,144.0	5,144.0	5,144.0	5,144.0	5,144.0
地熱	-	-	-	-	-	-	-	-
太陽光電	-	-	-	-	-	0.5	6.1	10.1
風力	17.8	47.8	131.8	131.8	179.8	249.2	286.8	286.8
民營電廠	7,230.7	7,280.5	7,292.1	7,373.2	7,939.1	7,971.3	7,980.5	8,028.9
慣常水力	10.7	10.7	22.3	39.0	39.0	39.0	39.0	39.1
火力	7,220.0	7,220.0	7,220.0	7,220.0	7,710.0	7,710.0	7,710.0	7,710.0
太陽光電	-	-	-	-	-	-	-	-
風力	-	49.8	49.8	114.2	190.1	222.3	231.5	279.8
自用發電設備	7,012.7	7,646.2	7,764.0	7,688.0	7,670.9	7,928.1	8,014.3	8,145.4
火力	6,332.3	6,942.8	7,047.9	6,968.8	6,947.8	7,180.4	7,180.4	7,209.4
慣常水力	-	-	-	-	-	-	-	-
地熱	-	-	-	-	-	-	-	-
太陽光電	1.0	1.4	2.4	5.6	9.5	34.1	123.8	221.2
風力	6.1	4.4	4.4	4.4	4.4	4.4	4.4	4.4
生質能	89.5	88.1	86.8	86.8	86.8	86.8	81.3	81.3
廢棄物	583.8	609.5	622.5	622.5	622.5	622.5	624.4	629.1
合計²	43,137.4	45,020.5	45,848.6	46,324.6	47,921.0	48,843.5	48,753.2	48,379.3
抽蓄水力	2,602.0	2,602.0	2,602.0	2,602.0	2,602.0	2,602.0	2,602.0	2,602.0
核能	5,144.0	5,144.0	5,144.0	5,144.0	5,144.0	5,144.0	5,144.0	5,144.0
火力	32,783.4	34,563.7	35,283.6	35,675.5	37,145.0	37,900.4	37,608.1	37,039.1
再生能源 ³	2,608.0	2,710.7	2,818.9	2,903.2	3,030.0	3,197.1	3,399.1	3,594.2

註：1.台電慣常水力含自設及託營機組。

2.本表合計為全國總裝置容量，包含民營與汽電共生自用發電設備裝置容量，與台電系統裝置容量不同。

3.本表之再生能源為地熱、太陽光電、風力、生質能及廢棄物。

28.Installed Capacity

Unit : MW

民國 102年 2013	民國 103年 2014	民國 104年 2015	民國 105年 2016	民國 106年 2017	民國 107年 2018	民國 108年 2019	民國 109年 2020	Item
32,218.2	31,651.2	31,669.1	32,466.8	31,750.0	33,414.8	35,386.0	35,455.8	Taiwan Power Company
4,644.4	4,644.4	4,652.4	4,652.4	4,652.4	4,652.4	4,652.4	4,652.4	Hydro
2,042.4	2,042.4	2,050.4	2,050.4	2,050.4	2,050.4	2,050.4	2,050.4	Conventional ¹
2,602.0	2,602.0	2,602.0	2,602.0	2,602.0	2,602.0	2,602.0	2,602.0	Pumped Storage
22,132.5	21,560.5	21,560.5	22,358.2	21,641.4	23,933.0	26,425.6	26,341.6	Thermal
8,200.0	7,600.0	7,600.0	8,400.0	9,200.0	10,000.0	11,600.0	11,600.0	Coal-Fired
3,325.4	3,325.4	3,325.4	3,323.1	2,570.1	2,569.1	2,569.1	1,592.5	Oil-Fired
10,607.1	10,635.1	10,635.1	10,635.1	9,871.3	11,363.9	12,256.5	13,149.1	LNG-Fired
5,144.0	5,144.0	5,144.0	5,144.0	5,144.0	4,508.0	3,872.0	3,872.0	Nuclear
-	-	-	-	-	-	-	-	Geothermal
10.5	15.5	18.2	18.2	18.2	18.2	123.6	277.4	Solar
286.8	286.8	294.0	294.0	294.0	303.2	312.4	312.4	Wind
8,081.3	8,110.5	8,119.2	8,162.8	8,196.4	8,729.6	8,895.6	9,110.9	IPPs
39.1	39.1	39.1	39.1	39.1	41.3	42.3	42.3	Hydro
7,710.0	7,710.0	7,710.0	7,710.0	7,710.0	8,216.3	8,216.3	8,216.3	Thermal
9.2	15.5	21.8	30.1	53.3	66.6	109.2	317.4	Solar
323.0	346.0	348.3	383.7	394.0	405.5	527.8	535.0	Wind
8,499.5	8,651.3	8,877.3	8,949.9	9,339.7	10,521.6	11,857.1	13,171.6	Cogeneration
7,394.5	7,331.5	7,319.6	7,039.6	6,930.0	7,151.2	7,224.2	7,224.2	Thermal
-	-	-	-	-	-	-	0.7	Hydro
-	-	-	-	-	0.0	0.3	0.3	Geothermal
390.2	605.0	844.2	1,196.7	1,696.2	2,653.3	3,916.7	5,222.5	Solar
4.4	4.4	4.4	4.4	4.4	4.5	5.0	6.3	Wind
81.3	81.3	80.0	80.0	80.0	80.6	79.0	85.7	Biomass
629.1	629.1	629.1	629.1	629.1	631.9	631.9	631.9	Waste
48,799.0	48,413.0	48,665.7	49,579.6	49,286.1	52,666.0	56,138.7	57,738.3	Total²
2,602.0	2,602.0	2,602.0	2,602.0	2,602.0	2,602.0	2,602.0	2,602.0	Pumped Storage
5,144.0	5,144.0	5,144.0	5,144.0	5,144.0	4,508.0	3,872.0	3,872.0	Nuclear
37,237.0	36,602.0	36,590.1	37,107.8	36,281.4	39,300.5	41,866.1	41,782.1	Thermal
3,816.1	4,065.1	4,329.6	4,725.8	5,258.7	6,255.6	7,798.6	9,482.2	Renewable Energy ³

Note: 1. Conventional hydro-power of Taiwan Power Company includes self-owned and commissioned hydro power units.

2. The total installed capacity is the summation of installed capacity of Taiwan Power Company, IPPs and cogeneration generators, which include non-utility power generators. It is different from the installed capacity of Taipower grid system released by the Taiwan Power Company.

3. Renewable energy in this table refers to geothermal, solar, wind, biomass and waste.