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再生能源發電裝置容量 (數量)

Renewable Energy Power Installed Capacity (Quantity)

單位：千瓩

Unit：MW

年別 Year	合計 Total	慣常水力 Hydro	地熱 Geothermal	太陽光電 Solar PV
2004	2,558.2	1,909.7	-	0.6
2005	2,608.0	1,909.7	-	1.0
2006	2,710.7	1,909.7	-	1.4
2007	2,818.9	1,921.3	-	2.4
2008	2,903.2	1,938.0	-	5.6
2009	3,030.0	1,937.0	-	9.5
2010	3,197.1	1,977.5	-	34.6
2011	3,399.1	2,040.8	-	129.9
2012	3,594.0	2,081.3	-	231.3
2013	3,815.9	2,081.3	-	409.9
2014	4,064.9	2,081.3	-	636.0
2015	4,329.4	2,089.3	-	884.3
2016	4,725.6	2,089.3	-	1,245.1
2017	5,258.5	2,089.3	-	1,767.7
2018	6,255.3	2,091.5	0.0	2,738.1
2019	7,798.4	2,092.5	0.3	4,149.5
2020	9,566.0	2,093.2	0.3	5,817.2
2021	11,609.9	2,093.9	4.5	7,700.2
2022	14,131.4	2,098.0	5.0	9,723.7
2023	17,955.3	2,103.7	7.3	12,417.7
2024	21,066.6	2,122.6	7.5	14,281.1
較上年變動(%) Annual Change	17.33	0.90	2.74	15.01

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再生能源發電裝置容量 (數量) (續)

Renewable Energy Power Installed Capacity (Quantity) (Cont.)

 單位：千瓩
Unit : MW

年別 Year	風力 Wind			生質能 Biomass			廢棄物 Waste
	小計 Subtotal	陸域 Onshore	離岸 Offshore	小計 Subtotal	固態 Solid	氣態 Biogas	
2004	8.5	8.5	-	97.6	77.2	20.4	541.8
2005	23.9	23.9	-	89.5	73.2	16.3	583.8
2006	102.0	102.0	-	88.1	73.2	15.0	609.5
2007	186.0	186.0	-	86.8	73.2	13.6	622.5
2008	250.4	250.4	-	86.8	73.2	13.6	622.5
2009	374.3	374.3	-	86.8	73.2	13.6	622.5
2010	475.9	475.9	-	86.8	73.2	13.6	622.5
2011	522.7	522.7	-	81.3	73.2	8.2	624.4
2012	571.0	571.0	-	81.3	73.2	8.2	629.1
2013	614.2	614.2	-	81.3	73.2	8.2	629.1
2014	637.2	637.2	-	81.3	73.2	8.2	629.1
2015	646.7	646.7	-	80.0	70.7	9.3	629.1
2016	682.1	682.1	-	80.0	70.7	9.3	629.1
2017	692.4	684.4	8.0	80.0	70.7	9.3	629.1
2018	713.2	705.2	8.0	80.6	70.7	10.0	631.9
2019	845.2	717.2	128.0	79.0	70.7	8.3	631.9
2020	937.1	809.1	128.0	86.2	70.7	15.6	631.9
2021	1,094.2	825.0	269.2	85.2	70.7	14.5	631.9
2022	1,581.1	836.2	744.8	91.7	70.7	21.0	631.9
2023	2,677.4	914.2	1,763.2	82.8	61.5	21.3	666.5
2024	3,905.0	918.2	2,986.8	83.8	61.5	22.4	666.5
較上年變動(%) Annual Change	45.85	0.44	69.40	1.31	-	5.08	-



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再生能源發電裝置容量 (占比)

Renewable Energy Power Installed Capacity (%)

單位：百分比
Unit：%

年別 Year	合計 Total	慣常水力 Hydro	地熱 Geothermal	太陽光電 Solar PV
2004	100.00	74.65	-	0.02
2005	100.00	73.23	-	0.04
2006	100.00	70.45	-	0.05
2007	100.00	68.16	-	0.09
2008	100.00	66.75	-	0.19
2009	100.00	63.93	-	0.31
2010	100.00	61.85	-	1.08
2011	100.00	60.04	-	3.82
2012	100.00	57.91	-	6.44
2013	100.00	54.54	-	10.74
2014	100.00	51.20	-	15.65
2015	100.00	48.26	-	20.42
2016	100.00	44.21	-	26.35
2017	100.00	39.73	-	33.62
2018	100.00	33.43	0.00	43.77
2019	100.00	26.83	0.00	53.21
2020	100.00	21.88	0.00	60.81
2021	100.00	18.04	0.04	66.32
2022	100.00	14.85	0.04	68.81
2023	100.00	11.72	0.04	69.16
2024	100.00	10.08	0.04	67.79
較上年差異 (百分點) 2024 vs. 2023	-	- 1.64	- 0.01	- 1.37

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再生能源發電裝置容量 (占比) (續)

Renewable Energy Power Installed Capacity (%) (Cont.)

 單位：百分比
Unit：%

年別 Year	風力 Wind			生質能 Biomass			廢棄物 Waste
	小計 Subtotal	陸域 Onshore	離岸 Offshore	小計 Subtotal	固態 Solid	氣態 Biogas	
2004	0.33	0.33	-	3.81	3.02	0.80	21.18
2005	0.92	0.92	-	3.43	2.81	0.63	22.38
2006	3.76	3.76	-	3.25	2.70	0.55	22.48
2007	6.60	6.60	-	3.08	2.60	0.48	22.08
2008	8.62	8.62	-	2.99	2.52	0.47	21.44
2009	12.35	12.35	-	2.86	2.41	0.45	20.54
2010	14.88	14.88	-	2.71	2.29	0.43	19.47
2011	15.38	15.38	-	2.39	2.15	0.24	18.37
2012	15.89	15.89	-	2.26	2.04	0.23	17.51
2013	16.10	16.10	-	2.13	1.92	0.21	16.49
2014	15.68	15.68	-	2.00	1.80	0.20	15.48
2015	14.94	14.94	-	1.85	1.63	0.22	14.53
2016	14.43	14.43	-	1.69	1.50	0.20	13.31
2017	13.17	13.01	0.15	1.52	1.34	0.18	11.96
2018	11.40	11.27	0.13	1.29	1.13	0.16	10.10
2019	10.84	9.20	1.64	1.01	0.91	0.11	8.10
2020	9.80	8.46	1.34	0.90	0.74	0.16	6.61
2021	9.42	7.11	2.32	0.73	0.61	0.12	5.44
2022	11.19	5.92	5.27	0.65	0.50	0.15	4.47
2023	14.91	5.09	9.82	0.46	0.34	0.12	3.71
2024	18.54	4.36	14.18	0.40	0.29	0.11	3.16
較上年差異 (百分點) 2024 vs. 2023	3.63	-0.73	4.36	-0.06	-0.05	-0.01	-0.55