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煤及煤產品供給與消費 (煤炭_數量)

Coal Supply and Consumption (Coal_Quantity)

單位：千公噸

Unit : 10³ tonne

年別 Year	煤炭供給 Coal Supply	煤炭用途 Coal Use		
	進口量 Imported	合計 Total	轉變投入 Transformation Input	
			小計 Subtotal	煉焦工廠 Coke Ovens
2003	54,669.4	55,308.6	48,070.1	5,810.2
2004	60,511.0	57,438.9	50,203.8	5,944.1
2005	60,345.1	59,745.7	52,349.6	5,774.9
2006	62,431.1	62,158.8	54,566.7	5,657.2
2007	65,406.1	64,841.1	57,060.6	5,638.1
2008	64,120.2	62,304.0	55,319.8	5,777.1
2009	59,055.1	60,054.0	53,382.3	5,188.3
2010	63,970.8	63,237.5	55,918.9	6,970.5
2011	67,507.2	66,817.9	58,372.6	7,550.3
2012	65,734.7	66,151.1	57,947.7	7,402.8
2013	67,264.5	66,884.2	58,434.9	8,604.8
2014	67,095.0	66,918.1	58,883.6	8,791.5
2015	65,980.3	64,542.0	56,311.9	8,614.3
2016	65,633.9	66,016.7	57,748.6	8,826.3
2017	67,590.8	67,346.3	59,649.8	8,726.0
2018	66,513.2	67,009.6	61,174.1	8,766.4
2019	67,332.3	64,373.1	58,430.2	8,232.9
2020	63,346.2	63,437.3	57,547.9	7,992.1
2021	67,483.6	65,190.9	59,280.9	8,339.9
2022	63,645.7	61,088.5	56,373.4	7,768.6
2023	58,013.8	59,179.8	54,976.1	7,239.1
較上年變動(%) Annual Change	- 8.85	- 3.12	- 2.48	- 6.82

註：煤炭= 煙煤_煉焦煤 + 煙煤_燃料煤 + 亞煙煤 + 無煙煤。

Note : Coal = Bituminous Coal_Coking Coal + Bituminous Coal_Steam Coal + Anthracite + Sub_bituminous Coal.

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煤及煤產品供給與消費 (煤炭_數量) (續)

Coal Supply and Consumption (Coal_Quantity)(Cont.)

單位：千公噸
Unit: 10³tonne

年別 Year	煤炭用途 (續) Coal Use (Cont.)				
	轉變投入 (續) Transformation Input (Cont.)		消費 Consumption		
	高爐工廠 Blast Furnace	發電及汽電 Power Generation and Cogen.	小計 Subtotal	工業部門 Industrial	非能源消費 Non- Energy Use
2003	1,267.4	40,992.6	7,238.5	6,849.3	389.2
2004	1,292.2	42,967.5	7,235.2	7,165.0	70.2
2005	1,156.4	45,418.3	7,396.1	7,264.1	132.0
2006	1,409.2	47,500.4	7,592.0	7,533.1	59.0
2007	1,445.1	49,977.4	7,780.5	7,493.2	287.4
2008	1,112.9	48,429.8	6,984.2	6,899.3	84.8
2009	777.4	47,416.7	6,671.6	6,594.4	77.2
2010	1,249.9	47,698.5	7,318.6	7,235.9	82.6
2011	1,752.3	49,069.9	8,445.3	8,350.6	94.6
2012	1,392.3	49,152.6	8,203.5	8,166.7	36.8
2013	1,650.3	48,179.8	8,449.3	8,404.5	44.8
2014	1,875.7	48,216.5	8,034.5	8,000.5	34.0
2015	1,920.0	45,777.6	8,230.1	8,120.2	110.0
2016	2,066.0	46,856.3	8,268.1	8,224.2	43.9
2017	1,814.9	49,108.9	7,696.6	7,675.7	20.9
2018	1,870.4	50,537.2	5,835.5	5,770.0	65.5
2019	1,829.1	48,368.3	5,942.9	5,853.6	89.3
2020	1,599.5	47,956.3	5,889.3	5,847.9	41.4
2021	1,956.4	48,984.7	5,909.9	5,845.1	64.8
2022	1,823.5	46,781.4	4,715.1	4,659.6	55.5
2023	1,636.8	46,100.2	4,203.6	4,160.5	43.1
較上年變動(%) Annual Change	- 10.24	- 1.46	- 10.85	- 10.71	- 22.19

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煤及煤產品供給與消費 (煤炭_占比)

Coal Supply and Consumption (Coal_%)

單位：百分比

Unit：%

年別 Year	煤炭用途 Coal Use							
	合計 Total	轉變投入 Transformation Input				消費 Consumption		
		小計 Subtotal	煉焦工廠 Coke Ovens	高爐工廠 Blast Furnace	發電及 汽電 Power Generation and Cogen.	小計 Subtotal	工業部門 Industrial	非能源 消費 Non- Energy Use
2003	100.00	86.91	10.50	2.29	74.12	13.09	12.38	0.70
2004	100.00	87.40	10.35	2.25	74.81	12.60	12.47	0.12
2005	100.00	87.62	9.67	1.94	76.02	12.38	12.16	0.22
2006	100.00	87.79	9.10	2.27	76.42	12.21	12.12	0.09
2007	100.00	88.00	8.70	2.23	77.08	12.00	11.56	0.44
2008	100.00	88.79	9.27	1.79	77.73	11.21	11.07	0.14
2009	100.00	88.89	8.64	1.29	78.96	11.11	10.98	0.13
2010	100.00	88.43	11.02	1.98	75.43	11.57	11.44	0.13
2011	100.00	87.36	11.30	2.62	73.44	12.64	12.50	0.14
2012	100.00	87.60	11.19	2.10	74.30	12.40	12.35	0.06
2013	100.00	87.37	12.87	2.47	72.03	12.63	12.57	0.07
2014	100.00	87.99	13.14	2.80	72.05	12.01	11.96	0.05
2015	100.00	87.25	13.35	2.97	70.93	12.75	12.58	0.17
2016	100.00	87.48	13.37	3.13	70.98	12.52	12.46	0.07
2017	100.00	88.57	12.96	2.69	72.92	11.43	11.40	0.03
2018	100.00	91.29	13.08	2.79	75.42	8.71	8.61	0.10
2019	100.00	90.77	12.79	2.84	75.14	9.23	9.09	0.14
2020	100.00	90.72	12.60	2.52	75.60	9.28	9.22	0.07
2021	100.00	90.93	12.79	3.00	75.14	9.07	8.97	0.10
2022	100.00	92.28	12.72	2.98	76.58	7.72	7.63	0.09
2023	100.00	92.90	12.23	2.77	77.90	7.10	7.03	0.07
較上年差異 (百分點) Percentage Point	-	0.62	- 0.48	- 0.22	1.32	- 0.62	- 0.60	- 0.02

單位：千公噸

Unit: 10³ tonne

年別 Year	焦炭供給 Coke Oven Coke Supply			焦炭用途 Coke Oven Coke Use				
	合計 Total	進口量 Imported	轉變產出 Transformation Output	合計 Total	轉變投入 Transformation Input	消費 Consumption		
						高爐工廠 Blast Furnace	小計 Sub- total	工業部門 Industrial
2003	4,773.1	382.9	4,390.2	4,838.6	3,957.7	880.9	576.0	305.0
2004	4,757.1	307.6	4,449.5	4,714.9	3,842.5	872.4	586.6	285.8
2005	4,608.5	201.6	4,406.9	4,500.6	3,798.7	701.9	549.2	152.7
2006	4,635.8	338.4	4,297.4	4,714.2	3,843.7	870.5	612.9	257.6
2007	4,797.9	556.5	4,241.4	4,605.5	3,800.4	805.1	586.6	218.5
2008	4,633.0	401.7	4,231.3	4,539.4	3,635.4	904.0	594.6	309.4
2009	3,893.8	76.4	3,817.5	3,947.8	3,237.4	710.4	550.4	160.0
2010	5,542.9	194.5	5,348.5	5,349.8	4,330.8	1,018.9	690.0	328.9
2011	5,549.4	103.2	5,446.3	5,463.2	4,678.6	784.6	531.6	253.0
2012	5,387.5	235.1	5,152.4	5,302.1	4,423.8	878.3	540.7	337.6
2013	5,852.7	174.7	5,678.0	6,005.4	4,977.7	1,027.7	699.4	328.3
2014	6,450.3	173.4	6,276.9	6,860.9	5,817.8	1,043.1	742.2	300.9
2015	6,208.2	186.8	6,021.4	6,034.2	5,068.2	966.0	678.4	287.6
2016	6,426.9	200.5	6,226.4	6,232.5	5,263.8	968.7	648.1	320.6
2017	6,329.3	273.5	6,055.8	6,152.7	5,200.8	951.9	615.2	336.7
2018	6,645.1	300.5	6,344.6	6,485.3	5,470.5	1,014.7	651.2	363.5
2019	6,434.6	259.8	6,174.8	6,169.2	5,244.7	924.4	620.5	304.0
2020	6,203.1	248.2	5,954.8	5,693.3	4,889.5	803.8	568.6	235.2
2021	6,487.6	199.6	6,288.0	6,360.3	5,361.0	999.4	750.9	248.5
2022	5,940.0	209.0	5,730.9	5,766.4	4,629.1	1,137.3	841.1	296.2
2023	5,360.1	147.7	5,212.4	5,215.5	4,237.1	978.5	821.7	156.8
較上年變動(%) Annual Change	- 9.76	- 29.33	- 9.05	- 9.55	- 8.47	-13.96	-2.31	-47.06

註：焦炭為煉焦工場生產之次級能源產品，故無供給面之自產量，而是煉焦工廠的生產量（轉變產出）。

Note: Coke Oven Coke is secondary energy produced by coke ovens, so production is expressed as transformation output.

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煤及煤產品供給與消費 (焦炭_占比)

Coal Supply and Consumption (Coke Oven Coke_%)

單位：百分比

Unit：%

年別 Year	焦炭用途 Coke Oven Coke Use				
	合計 Total	轉變投入 Transformation Input	焦炭消費 Coke Oven Coke Consumption		
		高爐工廠 Blast Furnace	小計 Subtotal	工業部門 Industrial	非能源消費 Non-Energy Use
2003	100.00	81.79	18.21	11.90	6.30
2004	100.00	81.50	18.50	12.44	6.06
2005	100.00	84.41	15.59	12.20	3.39
2006	100.00	81.53	18.47	13.00	5.46
2007	100.00	82.52	17.48	12.74	4.74
2008	100.00	80.09	19.91	13.10	6.82
2009	100.00	82.01	17.99	13.94	4.05
2010	100.00	80.95	19.05	12.90	6.15
2011	100.00	85.64	14.36	9.73	4.63
2012	100.00	83.44	16.56	10.20	6.37
2013	100.00	82.89	17.11	11.65	5.47
2014	100.00	84.80	15.20	10.82	4.39
2015	100.00	83.99	16.01	11.24	4.77
2016	100.00	84.46	15.54	10.40	5.14
2017	100.00	84.53	15.47	10.00	5.47
2018	100.00	84.35	15.65	10.04	5.60
2019	100.00	85.02	14.98	10.06	4.93
2020	100.00	85.88	14.12	9.99	4.13
2021	100.00	84.29	15.71	11.81	3.91
2022	100.00	80.28	19.72	14.59	5.14
2023	100.00	81.24	18.76	15.75	3.01
較上年差異 (百分點) Percentage Point	-	0.96	- 0.96	1.17	- 2.13



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煤及煤產品供給與消費（爐氣_數量）

Coal Supply and Consumption (Manufactured Gases_Quantity)

單位：百萬立方公尺

Unit: 10⁶ m³

年別 Year	爐氣供給 (轉變產出) Manufactured Gases Transformation Output	爐氣用途 Manufactured Gases Use				
		合計 Total	轉變投入 Transformation Input	消費 Consumption		
				發電及汽電 Power Generation and Cogen.	小計 Subtotal	能源部門自用 Energy Sector Own Use
2003	17,992.2	17,991.0	4,711.2	13,279.8	8,072.6	5,207.2
2004	18,184.0	18,176.3	4,758.4	13,417.9	8,282.1	5,135.7
2005	17,070.5	17,053.2	4,067.1	12,986.0	8,031.5	4,954.6
2006	18,176.2	18,153.0	4,144.2	14,008.7	8,480.5	5,528.3
2007	18,401.1	18,389.5	4,011.9	14,377.6	8,666.1	5,711.5
2008	17,421.5	17,406.9	2,481.4	14,925.5	8,321.5	6,604.0
2009	14,901.4	14,886.4	2,560.3	12,326.1	7,149.9	5,176.2
2010	20,552.6	20,224.6	3,732.4	16,492.1	9,262.5	7,229.6
2011	22,859.0	22,532.4	5,616.4	16,916.0	10,178.0	6,738.0
2012	21,770.1	21,652.9	4,720.0	16,932.9	9,773.2	7,159.7
2013	24,967.8	24,502.1	5,031.7	19,470.4	11,817.2	7,653.2
2014	26,286.2	25,994.3	7,801.4	18,192.9	12,183.1	6,009.8
2015	25,997.4	25,896.7	7,685.2	18,211.4	12,020.3	6,191.1
2016	26,740.2	26,486.6	7,712.9	18,773.7	12,252.5	6,521.2
2017	25,886.7	25,762.8	7,907.0	17,855.8	11,787.4	6,068.4
2018	26,875.5	26,717.2	8,338.0	18,379.2	11,899.4	6,479.7
2019	26,709.0	26,612.1	8,083.9	18,528.1	12,233.4	6,294.7
2020	25,527.6	25,322.7	7,991.4	17,331.2	11,484.2	5,847.0
2021	27,711.8	27,533.9	8,381.1	19,152.8	12,510.8	6,642.0
2022	24,454.1	24,311.2	6,662.2	17,648.9	11,308.0	6,340.9
2023	21,789.2	21,680.5	5,711.0	15,969.4	10,589.5	5,379.9
較上年變動(%) Annual Change	- 10.90	- 10.82	- 14.28	- 9.52	- 6.35	- 15.16

註：1. 爐氣=焦爐氣+高爐氣+轉爐氣。

2. 爐氣皆為煉焦工場生產焦炭、高爐工場煉鐵過程中產生之次級能源產品，供給端無自產量及進口量，故僅列示「轉變產出」。

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煤及煤產品供給與消費 (爐氣_占比)

Coal Supply and Consumption (Manufactured Gases_%)

單位：百分比

Unit：%

年別 Year	爐氣用途 Manufactured Gases Use				
	合計 Total	轉變投入 Transformation Input	消費 Consumption		
		發電及汽電 Power Generation and Cogen.	小計 Subtotal	能源部門自用 Energy Sector Own Use	工業部門 Industrial
2003	100.00	26.19	73.81	44.87	28.94
2004	100.00	26.18	73.82	45.57	28.26
2005	100.00	23.85	76.15	47.10	29.05
2006	100.00	22.83	77.17	46.72	30.45
2007	100.00	21.82	78.18	47.13	31.06
2008	100.00	14.26	85.74	47.81	37.94
2009	100.00	17.20	82.80	48.03	34.77
2010	100.00	18.45	81.55	45.80	35.75
2011	100.00	24.93	75.07	45.17	29.90
2012	100.00	21.80	78.20	45.14	33.07
2013	100.00	20.54	79.46	48.23	31.23
2014	100.00	30.01	69.99	46.87	23.12
2015	100.00	29.68	70.32	46.42	23.91
2016	100.00	29.12	70.88	46.26	24.62
2017	100.00	30.69	69.31	45.75	23.55
2018	100.00	31.21	68.79	44.54	24.25
2019	100.00	30.38	69.62	45.97	23.65
2020	100.00	31.56	68.44	45.35	23.09
2021	100.00	30.44	69.56	45.44	24.12
2022	100.00	27.40	72.60	46.51	26.08
2023	100.00	26.34	73.66	48.84	24.81
較上年差異 (百分點) Percentage Point	-	- 1.06	1.06	2.33	- 1.27

Note : 1. Manufactured Gases = Coke Oven Gas + Blast Furnace Gas + Oxygen Steel Furnace Gas.

2. Manufactured Gases are secondary energy produced through steelmaking process, so production is expressed as transformation output.