에너지밸런스

ENERGY BALANCE 2021 (UNIT : 1,000 toe, Gross)		석탄및석탄제품												천연가스	도시가스	원유및정제원료				석유제품																		원자력	수력	바이오및폐기물	지열,태양및기타	기타에너지원	전기	열	총에너지	메모: 신재생
			무연탄			유연탄및기타석탄		원료탄	기타유연탄	아역청탄	갈탄																																			
				국내무연탄	수입무연탄							토탄	고형연료	코크스									정제가스	프로판	부탄	휘발유	항공휘발유	휘발유혼합유	등유혼합유	등유	경유	B-A	B-B	B-C	납사	용제	윤활유	아스팔트	파라핀왁스	석유코크	기타석유제품							
		Coal	Anthracite	Domestic-c	Import-c	Bituminous	Coking coal	Other bituminous	Sub-Bituminous	Lignite/ Brown coal	Peat	Patent Fuel	Coke Oven Coke	Natural Gas	City Gas	Crude oil & refinery feedstocks	Crude oil	Refinery feedstocks	Additives/ blending components	Other hydrocarbons	Petroleum	Refinery gas	Propane	Butane	Gasoline	Aviation gasoline	Gasoline type jet fuel	Kerosene type jet fuel	Kerosene	Diesel	B-A	B-B	B-C	Naphtha	White spirit & SBP	Lubricants	Bitumen	Para. -wax	Pet. -coke	Other oil products	Nuclear	Hydro	Biofuels and waste	Geothermal, solar, etc.	Other sources	Electricity	Heat	Total of all energy sources	Memo: New and Renewables
국내생산	Production	424.8	424.8	424.8	–	–	–	–	–	–	–	–	–	55.0	–	5.2	5.2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	33,657.2	651.2	8,052.9	6,320.3	–	–	67.6	49,234.0	15,024.3
수입	Imports	76,171.7	3,276.3	–	3,276.3	72,895.3	14,993.2	56,592.0	1,040.3	0.0	35.6	0.0	234.2	59,987.0	–	143,342.7	140,812.8	2,529.9	–	–	47,359.8	–	7,426.6	2,230.9	37.1	0.7	–	–	0.0	–	–	–	5,896.8	31,050.9	0.3	150.7	535.7	–	–	–	–	–	–	–	–	–	326,861.1	–
수출	Exports	−216.8	−0.2	–	−0.2	−216.6	–	–	−0.0	–	−0.0	–	−216.6	–	–	−322.8	–	−193.8	–	−129.0	−61,836.0	–	−277.2	−44.1	−12,214.6	−18.7	–	−9,057.2	−1,098.4	−25,966.8	−50.2	–	−1,340.2	−3,824.8	−172.1	−3,540.9	−2,393.0	–	−4.3	−1,833.5	–	–	–	–	–	–	–	–	−62,375.6	–
국제해운벙커링	International Marine Bunkers	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	−10,902.3	–	−0.0	–	−0.0	–	–	–	–	−1,826.2	−12.7	−0.2	−9,063.1	–	−0.0	–	–	–	–	–	–	–	–	–	–	–	–	–	−10,902.3	–
국제항공벙커링	International Aviation Bunkers	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	−2,745.2	–	–	–	–	–	–	−2,745.2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	−2,745.2	–
재고변화	Stock changes	588.7	−18.0	−18.0	–	606.7	−124.3	731.0	–	–	–	–	–	−419.4	–	239.5	440.4	−213.3	0.1	12.2	63.3	0.0	54.3	17.3	−67.0	0.7	–	158.7	−53.5	−90.9	−11.7	0.4	−153.7	291.2	3.0	−69.4	−2.5	0.0	1.9	−15.7	–	–	–	−0.6	–	–	–	–	471.5	−0.6
일차에너지공급	**Total primary energy supply**	**76,968.3**	**3,682.9**	**406.8**	**3,276.1**	**73,285.4**	**14,868.9**	**57,323.5**	**1,040.3**	**0.0**	**35.6**	**0.0**	**17.6**	**59,622.5**	–	**143,264.5**	**141,258.4**	**2,122.8**	**0.1**	**−116.8**	**−28,060.4**	**0.0**	**7,203.7**	**2,204.2**	**−12,244.4**	**−17.2**	–	**−11,643.7**	**−1,121.9**	**−27,880.8**	**−74.6**	**0.2**	**−4,660.2**	**27,517.3**	**−168.8**	**−3,459.6**	**−1,859.9**	**0.0**	**−2.4**	**−1,849.2**	**33,657.2**	**651.2**	**8,052.3**	**6,320.3**	–	**−7.6**	**67.6**	**300,543.5**	**15,023.7**
제품이동	Transfers	–	–	–	–	–	–	–	–	–	–	–	–	–	–	21,709.2	–	21,709.2	–	–	−15,624.5	−38.7	−430.9	−134.3	585.1	19.3	–	315.4	−3,908.4	1,946.4	−7.3	11.6	−5,959.4	−8,314.8	−151.2	−284.2	765.1	−3.4	–	−34.8	–	–	–	–	–	–	–	6,084.7	−38.7
통계오차	Statistical differences	−4,160.2	−5.0	−5.2	0.2	−4,155.2	2,922.9	−7,078.1	–	–	–	–	–	273.4	281.8	−190.6	−264.2	73.8	−0.2	0.0	424.3	502.1	43.3	−0.8	2.9	0.0	–	6.2	14.6	−19.2	−0.2	0.0	13.4	−198.5	−1.6	37.1	22.8	0.1	−0.1	2.2	–	–	−1.5	0.0	–	–	–	−3,372.8	1,060.3
일차에너지소비	**Total primary energy consumption**	**72,808.1**	**3,677.9**	**401.6**	**3,276.3**	**69,130.2**	**17,791.8**	**50,245.0**	**1,040.3**	**0.0**	**35.6**	**0.0**	**17.6**	**59,895.9**	**281.8**	**164,783.1**	**140,994.2**	**23,905.8**	**−0.1**	**−116.8**	**−43,260.6**	**463.4**	**6,816.0**	**2,069.0**	**−11,656.5**	**2.1**	–	**−11,322.0**	**−5,015.6**	**−25,956.6**	**−82.1**	**11.8**	**−10,606.2**	**19,004.0**	**−321.7**	**−3,706.6**	**−1,072.0**	**−3.3**	**−2.5**	**−1,881.8**	**33,657.2**	**651.2**	**8,050.8**	**6,320.3**	–	**−**	**67.6**	**303,255.4**	**16,045.3**
전환공정	Transformation processes	−40,556.8	−442.0	−189.2	−252.8	−40,114.8	–	−39,074.5	−1,040.3	–	–	–	–	−55,331.0	24,004.9	−164,777.1	−140,994.2	−23,899.8	0.1	116.8	154,107.5	8,349.1	300.7	1,926.2	22,195.3	–	–	13,473.0	7,316.0	48,400.1	240.9	10.2	11,538.0	26,340.2	519.0	4,925.9	2,581.8	27.9	608.1	5,355.0	−33,657.2	−650.6	−1,809.4	−5,420.3	–	49,304.1	2,761.6	−72,024.3	−8,871.1
발전전환	Electricity-only plants	−40,556.8	−442.0	−189.2	−252.8	−40,114.8	–	−39,074.5	−1,040.3	–	–	–	–	−22,126.9	–	–	–	–	–	–	−561.1	–	−18.2	−0.5	−0.0	–	–	–	−162.8	−88.5	–	–	−291.1	–	–	–	–	–	–	–	−33,657.2	−650.6	−1,594.7	−5,420.3	−1,489.8	45,148.1	−67.6	−60,976.8	−10,146.1
열병합	CHP plants	–	–	–	–	–	–	–	–	–	–	–	–	−8,235.9	−344.4	–	–	–	–	–	−39.8	–	−31.5	–	–	–	–	–	−0.3	−0.0	–	–	−8.1	–	–	–	–	–	–	–	–	–	−177.8	–	–	4,156.0	2,601.9	−177.8	−2,040.0	−177.8
열전용	Heat-only plants	–	–	–	–	–	–	–	–	–	–	–	–	−0.0	−289.3	–	–	–	–	–	−235.5	–	−71.4	–	–	–	–	–	−3.6	–	–	–	−160.5	–	–	–	−36.9	–	–	–	–	–	–	–	–	–	227.3	−334.5	−36.9
석유제품생산	Petroleum Products	–	–	–	–	–	–	–	–	–	–	–	–	–	–	−164,777.1	−140,994.2	−23,899.8	0.1	116.8	155,174.3	8,349.1	652.2	1,926.8	22,195.4	–	–	13,473.0	7,482.6	48,488.6	240.9	10.2	11,997.7	26,340.2	519.0	4,925.9	2,581.8	27.9	608.1	5,355.0	–	–	–	–	–	–	–	−9,602.7	–
가스제조	Gas manufacturing	–	–	–	–	–	–	–	–	–	–	–	–	−24,968.2	25,130.8	–	–	–	–	–	−230.5	–	−230.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	−67.9	–
석탄합성가스제조	Coal-to-Gas plants	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	466.6	–	–	466.6	466.6
기타전환	Non-specified Transformation	–	–	–	–	–	–	–	–	–	–	–	–	–	−492.2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1,023.1	–	–	531.0	1,023.1
전환자체소비	Transformation Own Use	–	–	–	–	–	–	–	–	–	–	–	–	−2,373.0	−905.0	−6.1	–	−6.1	–	–	−73.1	−6,965.5	−63.4	−7.2	−0.2	–	–	–	−0.5	−1.6	–	–	−113.8	–	−0.0	−0.0	−0.0	–	−384.8	−0.0	–	–	–	–	–	−3,070.9	–	−13,892.1	–
손실	Losses	–	–	–	–	–	–	–	–	–	–	–	–	10.9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	−1,424.5	−128.6	−1,542.2	–
최종소비	**Total final consumption**	**32,251.3**	**3,235.9**	**212.4**	**3,023.5**	**29,015.5**	**17,791.8**	**11,170.5**	**–**	**0.0**	**35.6**	**0.0**	**17.6**	**2,202.8**	**23,381.7**	**–**	**–**	**–**	**–**	**–**	**103,309.8**	**1,847.0**	**7,053.2**	**3,988.0**	**10,538.6**	**2.1**	**–**	**2,151.0**	**2,299.9**	**22,441.9**	**158.8**	**22.0**	**818.1**	**45,344.2**	**197.3**	**1,219.3**	**1,509.8**	**24.5**	**220.9**	**3,473.1**	**–**	**0.6**	**6,241.3**	**900.0**	**–**	**44,808.7**	**2,700.6**	**215,796.8**	**7,174.3**
산업	Industry	32,039.9	3,024.4	0.9	3,023.5	29,015.5	17,791.8	11,170.5	–	0.0	35.6	–	17.6	2,202.8	7,854.9	–	–	–	–	–	63,360.6	1,847.0	5,286.6	859.1	147.7	0.0	–	0.7	318.4	2,228.7	71.1	17.8	622.5	45,344.2	169.6	1,219.3	1,509.8	24.5	220.4	3,473.1	–	–	4,336.6	54.8	–	23,182.2	–	133,031.8	4,402.9
농림업	Agriculture/Forestry	36.1	0.5	0.5	–	35.6	–	–	–	–	35.6	–	–	–	2.5	–	–	–	–	–	496.3	–	4.9	0.1	31.8	–	–	–	201.0	242.2	4.3	3.9	7.9	–	0.2	–	–	–	–	–	–	–	–	99.7	32.7	–	1,325.7	–	1,993.0	132.4
어업	Fishing	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	886.0	–	1.2	–	78.6	–	–	–	0.0	785.9	8.2	6.4	5.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	265.0	–	1,151.0	–
광업	Mining and quarrying	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	97.7	–	5.6	0.0	0.1	–	–	–	1.1	46.9	7.3	0.2	4.4	–	0.1	–	–	–	32.1	–	–	–	0.1	–	–	–	155.4	–	253.2	0.1
제조업	Manufacturing	32,003.8	3,023.9	0.4	3,023.5	28,979.9	17,791.8	11,170.5	–	–	–	–	17.6	2,202.8	7,852.4	–	–	–	–	–	59,673.3	1,847.0	5,266.7	859.0	28.4	0.0	–	0.7	95.1	522.8	30.1	5.5	599.2	45,344.2	169.2	1,219.3	–	24.5	188.3	3,473.1	–	–	4,226.1	22.2	–	21,436.1	–	127,416.7	4,259.6
식품및담배	Food and tobacco	–	–	–	–	–	–	–	–	–	–	–	–	–	909.9	–	–	–	–	–	47.0	–	20.4	0.4	0.2	–	–	–	8.8	3.6	0.4	0.2	13.0	–	–	–	–	–	–	–	–	–	107.1	–	–	1,164.1	–	2,228.2	107.1
섬유및가죽	Textile and leather	734.2	–	–	–	734.2	–	734.2	–	–	–	–	–	–	240.5	–	–	–	–	–	20.9	–	3.9	0.2	0.1	–	–	–	4.8	2.9	0.2	1.2	6.7	–	0.9	–	–	–	–	–	–	–	155.7	–	–	794.0	–	1,945.2	155.7
목재및나무제품	Wood and wood products	–	–	–	–	–	–	–	–	–	–	–	–	–	28.0	–	–	–	–	–	7.1	–	0.3	–	0.2	–	–	–	0.9	4.3	–	–	1.4	–	0.0	–	–	–	–	–	–	–	93.6	–	–	151.4	–	280.1	93.6
제지및인쇄	Paper, pulp and print	–	–	–	–	–	–	–	–	–	–	–	–	505.1	309.7	–	–	–	–	–	30.3	–	5.3	0.1	0.1	–	–	–	1.0	7.3	0.3	0.3	9.4	–	6.6	–	–	–	–	–	–	–	713.3	–	–	792.4	–	2,350.7	713.3
화학및석유화학	Chemical and petrochemical	2,885.9	–	–	–	2,885.9	–	2,885.9	–	–	–	–	–	76.2	1,979.2	–	–	–	–	–	55,960.0	1,834.8	4,393.0	706.9	0.2	–	–	–	7.5	6.9	2.3	2.7	218.5	45,344.2	115.5	–	–	18.7	–	3,308.9	–	–	1,528.4	–	–	4,592.9	–	67,022.7	1,528.4
메모: 석유화학원료	memo: petrochemical feedstock	–	–	–	–	–	–	–	–	–	–	–	–	52.8	–	–	–	–	–	–	50,015.9	–	3,974.9	696.8	–	–	–	–	–	–	–	–	–	45,344.2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	50,068.7	–
비금속광물	Non-metallic minerals	2,160.2	–	–	–	2,160.2	–	2,160.2	–	–	–	–	–	–	552.9	–	–	–	–	–	524.5	–	18.1	0.0	0.4	–	–	–	0.7	131.5	2.6	0.4	214.4	–	0.1	–	–	–	156.2	–	–	–	852.8	–	–	1,006.2	–	5,096.6	852.8
철강	Iron and steel	23,505.5	623.1	–	623.1	22,882.5	17,791.8	5,073.1	–	–	–	–	17.6	1,032.9	1,096.1	–	–	–	–	–	67.3	–	60.5	1.9	–	–	–	–	0.2	4.3	0.1	0.0	0.0	–	0.1	–	–	–	–	–	–	–	11.8	–	–	2,227.9	–	27,941.5	11.8
비철금속	Non-ferrous metals	565.1	247.9	–	247.9	317.1	–	317.1	–	–	–	–	–	178.6	495.5	–	–	–	–	–	36.3	–	12.4	0.1	–	–	–	–	0.2	3.1	0.1	0.0	20.2	–	0.1	–	–	–	–	–	–	–	–	–	–	801.1	–	2,076.5	–
기계류	Machinery	–	–	–	–	–	–	–	–	–	–	–	–	81.1	1,393.0	–	–	–	–	–	23.5	0.4	0.5	–	–	–	–	–	8.0	44.0	1.2	0.1	2.8	–	0.8	–	–	–	–	–	–	–	284.0	–	–	7,700.3	–	9,458.5	284.0
수송장비	Transport Equipment	–	–	–	–	–	–	–	–	–	–	–	–	168.0	674.2	–	–	–	–	–	199.6	–	28.8	1.6	21.8	0.0	–	0.0	0.5	78.0	20.9	0.0	47.4	–	0.5	–	–	–	–	–	–	–	91.2	–	–	1,899.4	–	3,032.3	91.2
기타제조	Other manufacturing	2,152.9	2,152.9	0.4	2,152.5	–	–	–	–	–	–	–	–	242.1	173.4	–	–	–	–	–	1,142.7	–	643.2	143.5	5.0	–	–	0.3	59.9	153.6	1.9	0.5	61.0	–	23.6	–	–	0.8	–	49.4	–	–	387.2	22.2	–	306.4	–	4,426.8	420.7
기타에너지	Other energy	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1,556.6	12.2	57.4	3.9	–	–	–	0.4	2.6	83.4	–	–	4.3	–	21.1	1,219.3	–	5.0	32.2	114.9	–	–	1.0	–	–	–	–	1,557.6	1.0
건설업	Construction	0.0	–	–	–	0.0	–	–	–	–	0.0	–	–	–	–	–	–	8.8	–	–	2,207.2	–	8.2	–	8.8	–	–	–	21.2	631.0	21.2	1.8	5.3	–	–	–	1,509.8	–	–	–	–	–	10.8	–	–	–	–	2,218.0	10.8
수송	Transport	–	–	–	–	–	–	–	–	–	–	–	–	–	1,059.6	–	–	–	–	–	34,554.4	–	1.7	3,031.2	10,354.3	0.6	–	1,673.4	5.4	19,246.7	78.3	2.3	160.5	–	0.0	–	–	–	–	–	–	–	704.0	–	–	318.3	–	36,636.3	704.0
철도	Rail	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	74.8	–	0.0	–	–	–	–	–	–	74.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	257.7	–	332.5	–
도로	Road	–	–	–	–	–	–	–	–	–	–	–	–	–	1,059.6	–	–	–	–	–	32,375.6	–	0.4	3,031.2	10,354.3	–	–	–	0.8	18,987.9	0.9	0.0	–	–	0.0	–	–	–	–	–	–	–	704.0	–	–	60.6	–	34,199.8	704.0
국내해운	Domestic navigation	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	428.0	–	1.0	–	–	–	–	–	4.3	182.6	77.4	2.3	160.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	428.0	–
국내항공	Domestic aviation	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1,676.0	–	0.3	–	0.0	0.6	–	1,673.4	0.3	1.4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1,676.0	–
가정	Residential	193.2	193.2	193.2	–	0.0	–	–	–	–	–	–	0.0	–	11,103.6	–	–	–	–	–	2,096.2	–	572.1	13.1	0.9	–	–	–	1,491.8	1.8	1.3	0.3	14.9	–	–	–	–	–	–	–	–	–	127.1	484.6	–	6,670.0	2,265.2	22,939.9	616.2
상업	Commercial	17.9	17.9	17.9	–	0.0	–	–	–	–	–	–	0.0	–	3,289.7	–	–	–	–	–	2,160.4	–	1,168.5	84.4	7.1	0.0	–	9.2	451.2	390.6	4.1	1.3	15.8	–	27.6	–	–	–	0.5	–	–	–	124.0	59.5	–	12,000.7	358.0	18,010.2	189.0
공공	Public services	0.3	0.3	0.3	–	–	–	–	–	–	–	–	–	–	73.9	–	–	–	–	–	1,138.2	–	24.4	0.2	28.6	1.5	–	467.7	33.0	574.2	4.1	0.2	4.3	–	0.2	–	–	–	–	–	–	0.6	949.7	301.1	–	2,637.4	77.4	5,178.5	1,262.3