

Table 8 · Government Plan for Electricity Mix in South Korea

Plan	Production / Share of Electricity	Nuclear	Coal	LNG	NRE ^(a)	Hydrogen & Ammonia	Other	Total
Actual Electricity Mix in 2023	TWh	180.5	184.9	157.7	56.6	-	8.3	588.0
	Share	30.7%	31.4%	26.8%	9.6%	-	1.4%	
10th Basic Plan on Electricity supply and demand - Electricity Mix Targets								
Target for 2030	TWh	201.7	122.5	142.4	134.1	13.0	8.1	621.8
	Share	32.4%	19.7%	22.9%	21.6%	2.1%	1.3%	
Target for 2036	TWh	230.7	95.9	62.3	204.4	47.4	26.6	667.3
	Share	34.6%	14.4%	9.3%	30.6%	7.1%	4.0%	
11th Basic Plan on Electricity supply and demand - Electricity Mix Targets								
Target for 2030	TWh	204.2	111.9	160.8	138.4	15.5	10.6	641.4
	Share	31.8%	17.4%	25.1%	21.6%	2.4%	1.7%	
Target for 2038	TWh	249.7	72.0	78.1	230.8	38.5	32.5	701.7
	Share	35.6%	10.3%	11.1%	32.9%	5.5%	4.6%	

Sources: KEPCO, MOTIE, 2023 and 2024^{56o}

Notes:

(a) **NRE**: New and Renewable Energy. New Energy in South Korea includes Integrated Gasification Combined Cycle (IGCC) and fuel cells. Renewable Energy includes solar, wind, hydro, marine, geothermal, and bio energy.

56o -KEPCO, “한국전력통계”, Korea Electric Power Corporation, 31 May 2024; and MOTIE, “(참고자료) 「제10차 전력수급기본계획 (2022-2036)」 확정”, Ministry of Trade, Industry and Energy, Government of South Korea, 12 January 2023; also MOTIE, “「제11차 전력수급 기본계획」 실무안 공개”, Press Release, 31 May 2024, op. cit.