

Climate Change

Metrics & Targets

GHG Emissions Reduction Targets

To contribute to climate change mitigation and the goals of the Paris Agreement 1.5°C scenario, SK Gas has established reduction targets for Scope 1, 2, and 3 emissions. These targets were set in consideration of Korea's Nationally Determined Contributions (NDCs) under the Paris Agreement, the government's 2050 Net Zero roadmap pursuant to the Framework Act on Carbon Neutrality and Green Growth for Coping with Climate Crisis, and the national GHG emissions allowance allocation plan. SK Gas has defined targets based on its own operational boundaries, covering all business sites including the Pangyo headquarters, G.Hub, Pyeongtaek Terminal, Ulsan Terminal, Ulsan CEC Terminal, and Bugok Yongyeon Pressure Control Station. In alignment with these reduction targets, the company is implementing GHG reduction measures company-wide.

Scope 1 and Scope 2 Emission Target

In 2024, Scope 1 and 2 emissions totaled 20,317 tCO₂eq, overachieving the reduction target of 27,364 tCO₂eq. SK Gas will continue to reduce Scope 1 and 2 emissions through the implementation of its Net Zero Operation strategy, with the goal of achieving Net Zero by 2030.

[Scope 1,2 Net Zero Performance and Targets]

Category	Scope of Application	Base Year Emissions	Current Year Emissions	Final Target
		2021	2024	2030
Scope 1, 2 emissions ¹⁾	SK Gas (standalone)	35,478tCO ₂ eq	20,317tCO ₂ eq	0tCO ₂ eq
Change from Base Year		(Base Year)	42.74% reduction	100% reduction from base year

1) Based on market-based Scope 2 indirect emissions

[Net Zero Roadmap Performance and Targets (in depth)]

Metric	Description	Unit	Performance			Target ²⁾					
			2022	2023	2024	2025	2026	2027	2028	2029	2030
GHG (Scope 1&2) Emissions	Target emissions	tCO ₂ eq	32,409	31,747	27,364	15,191	15,428	27,799	25,154	19,910	0
	Actual emissions ¹⁾	tCO ₂ eq	32,383	30,794	20,317	-	-	-	-	-	-
	Reduction amount	tCO ₂ eq	2,945	4,526	12,048	-	-	-	-	-	-
	Target achievement rate	%	100.10%	103.10%	134.70%	-	-	-	-	-	-
Energy Efficiency and Reduction	Seawater heat exchanger (vessel use)	tCO ₂ eq	381	390	293	195	195	195	-	-	-
	Seawater heat exchanger (large-scale use)	tCO ₂ eq	-	-	3,773	9,401	9,483	9,565	12,381	21,154	24,050
Expansion of Renewable Energy Use	Solar power	tCO ₂ eq	27	152	205	205	205	205	205	205	205
	REC procurement	tCO ₂ eq	2,537	3,984	-	-	-	-	-	-	-
	Green premium ³⁾	tCO ₂ eq	-	-	7,777	16,810	21,236	-	-	-	-
	PPA	tCO ₂ eq	-	-	-	-	-	23,460	23,460	23,460	54,920

1) The combined value of Scope 1 emissions and Scope 2 market-based emissions according to the global RE100 operating organization (CDP) standards.

2) The design, approval, and consultation processes with relevant agencies are underway to expand the use of seawater heat exchangers; therefore, the implementation timing and reduction effects may vary depending on progress.

3) Temporary use for three years before PPA contract procurement, with renewable energy procurement planned for 20 years starting in 2027 based on the PPA contract already signed in 2024.

Scope 3 Emission Targets

The company aims to achieve Net Zero for Scope 3 emissions by 2050 through its transition to Zero Carbon Solution businesses. To support this goal, SK Gas measures Scope 3 emissions annually and monitors progress against its reduction targets.

