

Major Performance Index

Economy

Major indicator			Unit	2021	2020 ⁰¹	2019
Consolidated statements of income (loss)	Revenue		KRW million	17,851,906	1,461,068	
	Operating profit(loss)		KRW million	768,470	(475,206)	
	Profit (loss)		KRW million	929,868	(451,771)	
Sales by region	Republic of Korea ⁰²		KRW million	2,235,338	132,385	
	China		KRW million	2,910,541	148,980	
	Asia/Oceania		KRW million	1,110,368	108,620	
	US		KRW million	2,827,944	246,686	
	Europe		KRW million	8,767,715	824,397	
Income tax expense	Consolidated	Income tax	KRW million	521,797	11,174	
		Income tax expense (profit)	KRW million	76,523	(147,345)	
	Separate	Income tax	KRW million	140,849	54	
		Income tax expense (profit)	KRW million	(128,577)	(152,178)	
Business site with corruption risk ⁰³	Total number of business sites (A)		number	14		
	Business site with corruption risk evaluated	Number (B)	number	2		
		Proportion (B)/(A)	%	14		
Anti-corruption trained employee (by country)	Republic of Korea	Proportion	%	63	13	
	US	Proportion	%	0	0	
	Poland	Proportion	%	0	100	
	Germany	Proportion	%	0	100	
	Australia	Proportion	%	0	0	
	China	Proportion	%	16	47	
Confirmed corruption cases and measures	Number of confirmed corruption cases		cases	3	5	
	Number of sanction cases		cases	3	7	
	Number of contracts with suppliers terminated due to breach of corruption		cases	1	0	
	Cases where the contracts with suppliers were not renewed due to corruption		cases	0	0	
Unfair transaction	Litigation	In progress	cases	0	0	
		Completed	cases	0	0	

⁰¹ Indicate December 2020 (1 month) only
⁰² Domestic sales include exports under local LC conditions.
⁰³ Due to the change in the anti-corruption-related diagnostic standards and implementation method, which were carried out for LG Chem in 2020, a new corruption risk assessment for LG Energy Solution began in 2021

Environment

Major indicator			Unit	2021	2020	2019
Energy/ Greenhouse gases	Energy consumption	Total energy consumed	TJ	19,582	16,427	12,150
		Direct energy consumed	TJ	5,236	4,024	2,625
		Indirect energy consumed	TJ	14,346	12,403	9,525
		Usage of renewable energy	TJ	4,536	2,454	802
	GHG emissions	Total GHG emissions (Scope 1&2)	ton CO _{2eq}	1,347,068	1,221,921	962,792
		Scope 1(direct)	ton CO _{2eq}	269,110	206,056	132,169
		Scope 2(indirect)	ton CO _{2eq}	1,077,958	1,015,865	830,623
Water resources management	Water	Total water withdrawal	ton	8,795,783	6,237,220	
	Wastewater	Volume of treated water	ton	3,264,536	3,912,558	
		Volume of recycled water	ton	-	-	
Waste management	Waste generation	General waste	ton	93,183	111,946	
		- Recycled	ton	82,412	82,731	
		- Incinerated	ton	9,284	19,342	
		- Landfilled	ton	49	5,603	
		- Others	ton	1,437	4,270	
		Designated waste	ton	50,708	41,486	
		- Recycled	ton	38,760	15,291	
		- Incinerated	ton	11,614	24,157	
		- Landfilled	ton	-	-	
		- Others	ton	334	2,038	
		Total waste	ton	143,891	153,432	
Air pollutants	Air pollutant emissions	NOx	kg	98,368	59,737	
		SOx	kg	8,582	3,549	
		Volatile organic compounds (VOCs)	kg	97,802	35,369	
		Hazardous air pollutants (HAPs)	kg	1,393	2,973	
		Particulate matter (PM)	kg	11,084	4,974	
		Other atmospheric emissions	kg	12,977	7,562	
Business environment management	Environmental management system (ISO 14001)	Number of certified business sites	number	7	5	
		Number of business sites to be certified	number	7	7	
		Adoption rate	%	100	71	
	Environmental laws and regulations	Investment for environmental safety	KRW 100 million	325		
		Non-compliance with environmental laws and regulations	cases	0	1	

Social

Major indicator			Unit	2021	2020	2019
Personnel indicator	Employees	Total number of employees	persons	26,891	23,344	19,986
		Korea	persons	9,566	7,502	6,571
		Overseas	persons	17,325	15,842	13,415
	Gender (Korea)	male	persons	8,095	6,394	5,683
		Female	persons	1,471	1,132	903
	Gender (overseas)	male	persons	11,504	6,586	6,876
		Female	persons	5,821	2,630	2,887
	Executive officer (Korea)	male	persons	77	62	44
		Female	persons	2	1	-
	Managerial position (Korea), (management personnel or higher)	male	persons	3,433	2,428	1,915
		Female	persons	494	374	252
	By contract (Korea)	Permanent	persons	9,475	7,445	6,515
		Non-permanent	persons	91	81	71
	By rank (Korea)	Associate (associate and specialist)	persons	5,639	4,724	4,419
		Management personnel (professional or higher)	persons	3,848	2,739	2,123
		Executive	persons	79	63	44
	By age (Korea)	Under 30	persons	2,215	1,787	1,883
		30-50	persons	6,833	5,357	4,449
		50 and above	persons	518	382	254
	Number of employees by country	Republic of Korea	persons	9,566	7,502	6,571
		China	persons	10,780	10,172	9,163
		Poland	persons	4,847	4,177	2,866
		US	persons	1,562	1,349	1,246
		Germany	persons	74	85	74
		Taiwan	persons	42	42	46
		Australia	persons	8	9	10
		Others	persons	12	8	10
	Retirement rate of employees by country	Republic of Korea	%	1.7	1.9	2.6
		China	%	24	24	32
		Poland	%	25	33	39
		US	%	32	45	40
		Germany	%	9	4	10
		Taiwan	%	2	8	5
		Australia	%	0	29	11
		Others	%	0	0	0

Major indicator			Unit	2021	2020	2019
DEI (Korea)	Ratio of total female employees	Ratio of total female employees	%	15.4	15.0	13.7
		Management (executive officers and directors)	%	2.5	1.6	0.0
		Management personnel (professional or higher)	%	12.6	13.3	11.6
		Associate (associate and specialist)	%	17.3	16.0	15.4
	Inclusiveness ⁰⁴	Number of employees with disabilities	persons	205	31	-
		Employment rate of persons with disabilities	%	2.2	0.4	-
	Parental leave	Number of employees on parental leave (total)	persons	163	211	146
		Number of female employees on parental leave	persons	59	123	76
		Ratio of employees who have returned after parental leave	%	100	100	100
		Number of male employees on parental leave	persons	104	88	70
		Ratio of employees who have returned after parental leave	%	100	100	100
	Employee training	Training hours per person	hour	138		
		Training cost per person	KRW	1,007,715		
Safety	Safety and health management system (ISO 45001)	Number of certified business sites	companies	6	6	
		Number of business sites to be certified	companies	8	8	
		Adoption rate	%	75	75	
	Injuries arising out of duty (employee)	Deceased employees	persons	0	1	1
		Injuries sustained by employees	cases	30	22	17
		LTIR ⁰⁵ (rate)	Cases per 200,000 hours	0.09	0.08	0.06
	arising out of duty (supplier)	Deceased employees of suppliers	persons	0	0	0
		Injuries sustained by suppliers	cases	14	10	3
		LTIR ⁰⁵ (rate)	Cases per 200,000 hours	0.12	0.09	0.02
	Disease arising out of duty (employee)	Deceased employees	persons	0	0	0
		Diseases sustained by employees	cases	0	0	0
		OIFR ⁰⁶ (rate)	Cases per 200,000 hours	0	0	0
	Disease arising out of duty (supplier)	Deceased employees of suppliers	persons	0	0	0
		Disease sustained by suppliers	cases	0	0	0
		OIFR ⁰⁶ (rate)	Cases per 200,000 hours	0	0	0

⁰⁴ Based on the government's reporting standards
⁰⁵ Lost-Time Injuries Rate (LTIR) = (Number of lost time injuries)/(Number of lost time injuries) X 200,000
⁰⁶ Occupational illness frequency rate (OIFR) = (Number of occupational diseases)/(total working hours) X 200,000

Governance

Major indicator			Unit	2021	2020	2019
BoD	Composition of BoD	Total	persons	7		
		Number of inside directors	persons	2		
		Number of outside directors	persons	4		
		Number of non-standing directors	persons	1		
		Number of female directors	persons	2		
	Operation of BoD	Number of meetings	sessions	19		
		Average attendance rate	%	100		
		Average tenure of directors	months	7		
	ESG Committee	Number of meetings	sessions	1		
Remuneration (Korea)	Remuneration ⁰⁷	Total annual remuneration to highest-paid personnel in organization(A)	KRW million	2,020	78	
		Median of total annual remuneration of all employees(B)	KRW million	82.9	9.6	
		A/B		24.4	8.1	
Collective agreement (Korea)	Labor union membership	Total personnel	persons	2,059	2,098	1,979
		Total applicable personnel	persons	3,960	3,422	3,361
		Proportion	%	52.0	61.3	58.9
Collective agreement (China)	Labor union membership	Total personnel	persons	14,116	9,688	8,787
		Total applicable personnel	persons	14,342	10,025	9,306
		Proportion	%	98.4	96.6	94.4

⁰⁷ Data for 2020 is based on labor expenses in December (Based on business report of LG Energy Solution)
* As for LG Energy Solution, the majority of the BoD was composed of outside directors (four out of seven); however, Director Dukgeun Ahn resigned for personal reasons on May 10, 2022. Therefore, as of the report submission date, the BoD consists of two inside directors, one non-standing director, and three outside directors. One new outside director will be appointed in line with the procedure set out under the law.