

CDP Climate Change and Water Report 2025 - Korea

March 2026

Korean partner to CDP and
Report Author





Contents

Report Sponsor



Korean Partner to CDP



Korean Partner to CDP — Korea Sustainability Investing Forum (KoSIF) www.kosif.org

The Korea Sustainability Investing Forum (KoSIF) is a non-profit organization founded in 2007 to help build a sustainable society by promoting socially responsible investing (SRI). Its activities span SRI research and development, public outreach and awareness, and policy development and legislative support. KoSIF also leads and organizes the CDP Korea Committee to broaden environmental action among Korean financial institutions and companies.

02 Foreword - Jee-in Jang Chair / CDP Korea Committee
Foreword - Sherry Madera, CEO / CDP

05 Climate Change
- Climate Governance
- Climate Risk Management
- Business Strategy
- Engagement
- GHG Emissions
- Reduction Targets and Carbon Credit

27 Energy
- Energy
- Electricity and Renewable Energy Use by CDP Responding Companies
- Electricity and Renewable Energy Use by RE100 Companies
- Renewable-energy Target Implementation Status of Korean RE100 Companies

37 Plastics & Biodiversity
- Plastics
- Biodiversity

49 Water Security
- Water Governance
- Water Risks
- Water-related Business Impact
- Water Data
- Five-Year Water-Data Tracking of Korean Companies

65 Korea Leaders
- List of Award-Winning Companies
- CDP Scoring System

Important Notice

The data contained in this report may be used by anyone after notifying CDP Worldwide (CDP). However, this does not grant permission to recompile or resell data belonging to CDP or co-authors within the report. Anyone wishing to recompile or resell data from this report must obtain prior approval from CDP.
This report is based on response data and analysis from the CDP 2025 Information Disclosure Request. Neither KoSIF nor CDP represents or warrants (expressly or implicitly) the accuracy or completeness of the data contained in this report. It is strongly advised that decisions not be made solely on the basis of information contained in this report without professional advice. KoSIF and CDP bear no duty of care nor any legal liability for any consequences arising from such actions. All information and projections in this report reflect the judgment of KoSIF and/or CDP at the time of writing and are subject to change without notice depending on economic, political, industry, and corporate developments. Any external contributions included in this report represent the individual opinions of the respective authors and organizations, and do not constitute the official views of CDP.
KoSIF, CDP, partner organizations, affiliate members, and their respective shareholders, members, partners, and employees may hold shares in companies mentioned in this report. Shares of companies mentioned in this report may not be available for purchase in certain states or countries and may not be suitable for all types of investors. Furthermore, the value and returns of such companies may be adversely affected by fluctuations in exchange rates.
‘CDP’ and ‘CDP Worldwide’ refer to CDP Worldwide, registered in the United Kingdom as a charity (no. 1122330) and a company limited by guarantee (no. 05013650). In Korea, the Korea Sustainability Investing Forum (KoSIF) serves as CDP’s local partner, forming the CDP Korea Committee and acting as its secretariat.

© 2025 CDP Worldwide. All rights reserved.



The international climate order is being shaken. Climate action has become an arena of industrial rivalry, and economic blocs are forming under the second Trump administration's anti-climate and anti-ESG policies. Even so, accelerating the climate crisis is clearly driving the world into a climate economy. This order is irreversible: without transitioning from a high-carbon to a low-carbon economy, survival is not possible.

Korea has made carbon neutrality a key national priority and, in November 2025, announced its 2035 NDC, raising the target from a 40% reduction against 2018 levels to a 53–61% reduction by 2035. This transition entails great hardship and vast capital. The Financial Services Commission (FSC) recently convened its Fourth Productive Finance Transformation and set out two policy directions to support the green transition (GX): institutionalizing ESG disclosure and scaling up climate finance.

Institutionalizing ESG disclosure is a welcome step, removing long-standing uncertainty. Even so, the FSC's draft mandatory ESG disclosure roadmap falls well short of what the green transition needs. Under it, KOSPI-listed companies with consolidated assets of KRW 30 trillion or more would begin climate disclosure via the exchange from 2028 (FY27), with a three-year Scope 3 deferral, far below what domestic and international investors, experts, and civil society have called for. Only 58 companies meet the KRW 30 trillion threshold. Reflecting the structure of Korea's manufacturing- and export-driven economy and concern that companies' disclosure capacity remains insufficient.

The CDP Korea Committee believes, however, that many Korean companies have already built climate disclosure capabilities by responding to CDP, an investor-led global initiative. The 2025 CDP data bear this out: 91% assign board-level responsibility for climate change, 93% integrate climate-related risks into organization-wide risk management, 166 companies have set net-zero targets, and 222 companies report Scope 3 emissions.

The FSC also announced that, to support the 2035 NDC, it will channel KRW 780 trillion in climate finance over 2026–2035, and introduce a Korea-specific transition finance scheme for the low-carbon transition of high-emitting sectors.

The CDP Korea Committee strongly supports scaling up climate finance, but raises two concerns about transition finance. First, it directs capital toward not yet green activities on the premise of a credible decarbonization pathway, so it carries a high risk of greenwashing. Second, capital concentrating in transition finance could crowd out existing green finance. Rigorous, climate-science-based conditions, thorough scrutiny of implementation plans, and careful design are therefore essential.

The global economy is in turmoil, and sustainability, including the climate response, faces formidable obstacles. At such moments, what is needed is steadfast, consistent policy and still more determined action. The CDP Korea Committee has confidence in the capabilities and potential of our government, companies, and financial institutions, and believes they will meet the climate crisis head-on and turn it into opportunity. The CDP Korea Committee will lend its full support to that effort.



The past year has tested the resilience of business strategy. In a context of geopolitical tensions and economic uncertainty, organizations are being forced to confront a simple reality: environmental disclosure is no longer a transparency exercise, it is critical business data.

True leadership today comes from the humility to recognize unknown gaps — or widen the aperture of insight — to encourage alternative thinking and action. That is what high-quality disclosure enables: better identification and navigation of risks, new opportunities surfaced that once were hidden, and the pathway to allocate capital more effectively in the transition to a resilient, Earth-positive economy. This is no longer optional.

The World Economic Forum reports that climate-hazard-driven fixed-asset losses for listed companies could reach US \$560–610 billion per year by 2035, representing a 6–7% drop in earnings for the average company. Physical climate risks disrupt operations. Water insecurity threatens production continuity. Deforestation and biodiversity loss create supply chain vulnerabilities.

Environmental disclosure provides the data needed to identify, quantify and manage these factors systematically. Companies that measure and disclose environmental impacts through CDP gain visibility into material risks and opportunities across climate, water and forests. Disclosure informs capital allocation, risk management, operational planning and competitive positioning. Those that do not are operating without critical business intelligence in an increasingly volatile environment.

The market continues to demand comprehensive environmental information. In 2025, 640 investors with US\$127 trillion in assets and more than 270 major buyers asked CDP to collect the data they need to make informed decisions. More than 23,100 companies, cities, states and regions responded, with Asia Pacific leading global participation at 37% of corporate disclosers. Nearly 700 South Korean organizations disclosed, reflecting sustained commitment to environmental transparency despite global uncertainty.

The leaders are already shaping the future — not by spectacle, but by consistent, action that aligns profit, people and planet. As CDP marks 25 years of driving corporate environmental transparency, the decade ahead will intensify pressure on natural resources and accelerate physical climate impacts. Organizations that embed environmental data into core decision-making will build the resilience needed to navigate complexity and sustain performance.

Today's disclosure decisions shape tomorrow's competitive advantage.





Climate Change

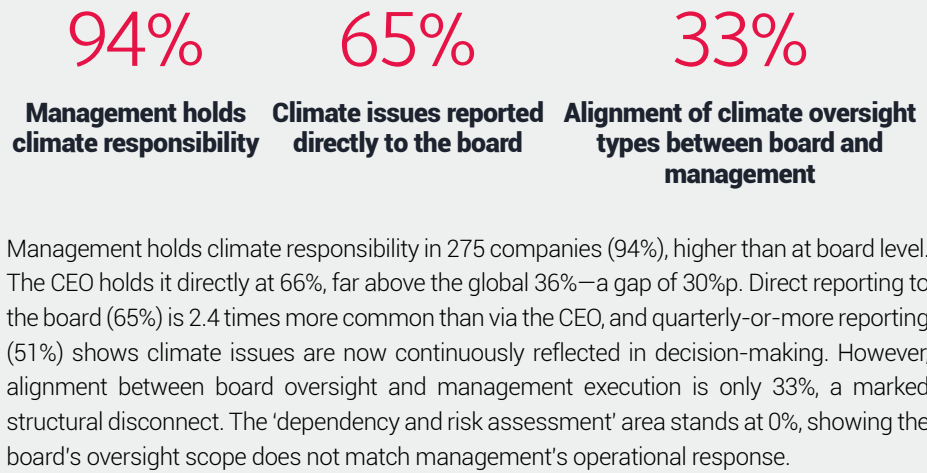
1



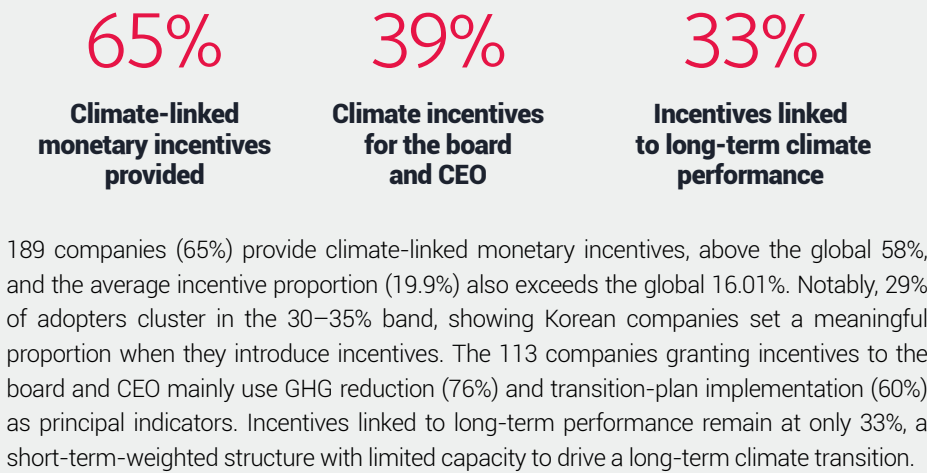
Board-level oversight of climate change



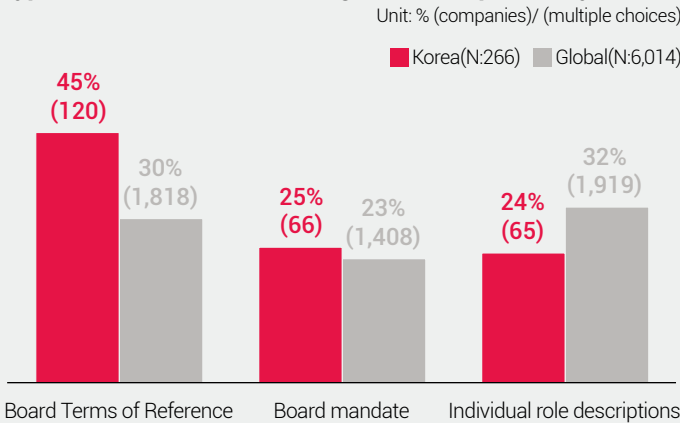
Management-level responsibility for climate change



Board and management monetary incentives



Types of documents formalising climate responsibility

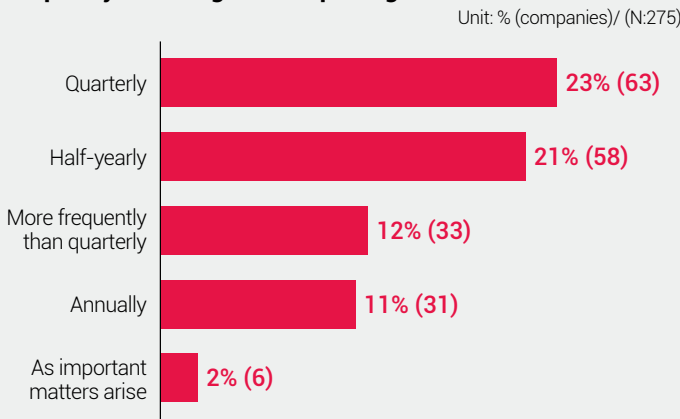


Scope of the board's climate management and oversight

(N=266, multiple choices)

Board climate management and oversight item	Companies	Share (%)
Oversight of corporate target setting	198	74%
Monitoring progress towards corporate targets	189	71%
Oversight of and guidance on the process for assessing climate DIRO	171	64%
Monitoring implementation of the climate transition plan	163	61%
Oversight of and guidance on developing the climate transition plan	151	57%
Approval and/or oversight of employee incentives	145	55%
Approval of corporate policies and/or commitments	122	46%

Frequency of Management reporting to the board

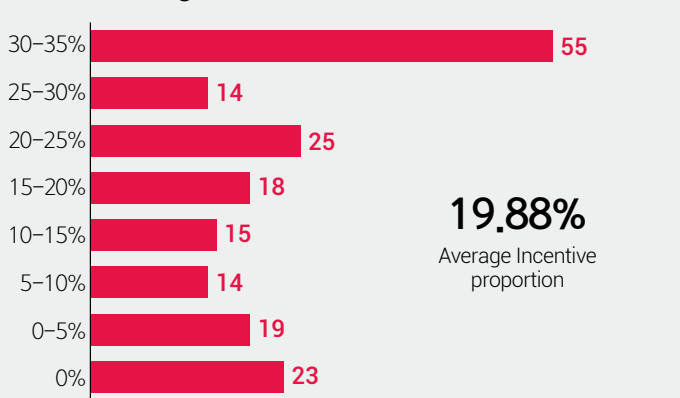


Scope of management's climate management and oversight

(N=275, multiple choices)

Management climate management and oversight item	Companies	Share (%)
Setting corporate climate targets	194	71%
Assessing climate DIRO	182	66%
Implementing the climate transition plan	168	61%
Measuring progress towards corporate climate targets	166	60%
Developing the climate transition plan	156	57%
Managing climate DIRO	148	54%
Providing employee incentives linked to climate performance	140	51%
Implementing climate-related business strategy	127	46%

Distribution of climate incentives as a proportion of total board and management incentives

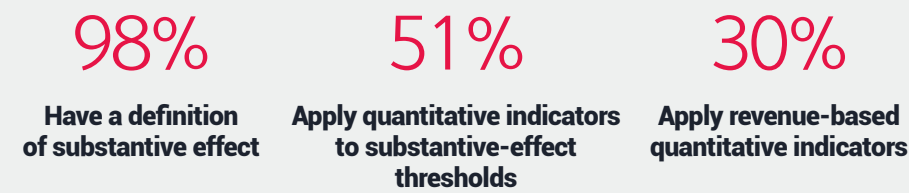


Performance indicators used to assess climate incentives

(N=189, multiple choices)

Climate incentive performance indicator	Companies	Share (%)
Reduction in absolute emissions	144	76%
Achievement of climate transition plan	113	60%
Energy efficiency improvement	93	49%
Implementation of an emissions reduction initiative	77	41%
Reduction in total energy consumption	75	40%
Absolute emission reduction for net-zero target	70	37%
Reduction in emissions intensity	61	32%
Renewable share increase in total energy consumption	59	31%

Definition of substantive effect



98% (287) of responding companies define the substantive effect of climate-related risks, and 51% use quantitative indicators. By type, revenue-based metrics (84 companies) are most common, followed by direct operating costs (57), asset value (34) and capital expenditure (34). The average direct-operating-cost threshold (KRW 1.2 billion) is the most stringent, while the asset-value threshold (KRW 26.9 billion) is relatively insensitive to asset-impairment risk. Profitability-based leading indicators such as EBITDA (7) and production capacity (5) remain early-stage.

Climate risk-management processes

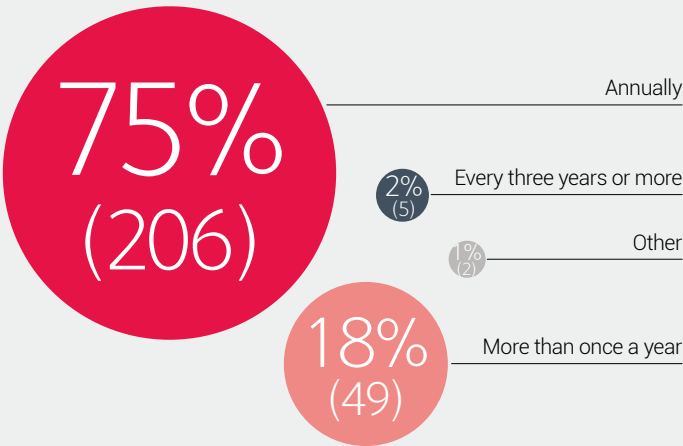


93% of the 292 responding companies have established climate risk-management processes, and their key indicators exceed global averages across the board: double materiality assessments (85%), integration into organization-wide risk management (73%) and regular assessment at least once a year (87%). Notably, annual-or more assessment (87%) is 12%p above the global 75%, and interconnections among environmental risks (87%) is 8%p above the global 79%, Korean companies' two most pronounced strengths. The 249 companies conducting double materiality assessments are 85% of respondents, having pre-emptively adopted the double materiality framework required by the EU CSRD. While 64% cover their entire value chain, only 9% (26) extend risk assessment to tier-2 and beyond, 3%p below the global 12%, and the only area of underperformance. 73% of supply-chain risk assessments are confined to tier-1 supply chain. By risk type, transition risks (54.4%, 1,357 cases) outweigh physical risks (45.6%, 1,138 cases). Leading transition issues were shifts in market preferences, pressure to substitute lower-carbon products, and carbon pricing. Among physical risks (short- and long-term), flooding, typhoons and extreme precipitation ranked highest in that order, showing the Korean Peninsula's monsoon climate is specifically reflected in their risk-management systems.

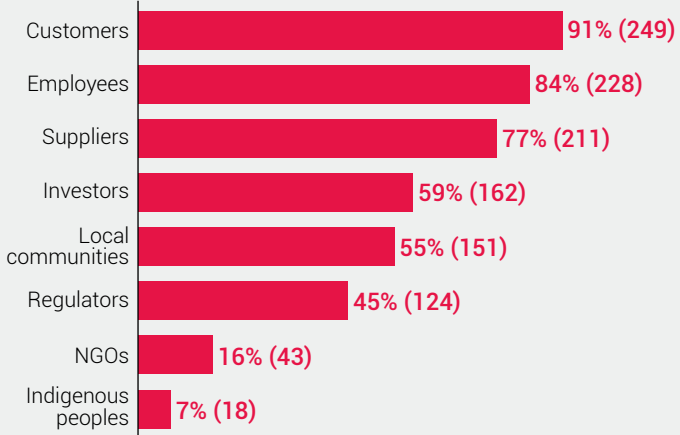
Key indicators and thresholds used to determine substantive effect (multiple choices)

Indicator	Total	Absolute value		Companies by threshold band (%)						
		Companies	Avg. threshold (KRW 100m)	Total	less than 1%	1-10	11-20	21-30	51-60	81-90
Revenue	84	14	171	70	9	49	6	3	1	2
Direct operating costs	57	14	12	43	3	34	6	-	-	-
Asset value	33	6	269	27	4	20	2	1	-	-
Capital expenditures	34	26	60	8	-	7	1	-	-	-
Indirect operating costs	19	4	241	15	2	11	2	-	-	-
EBITDA	7	0	-	7	3	3	1	-	-	-

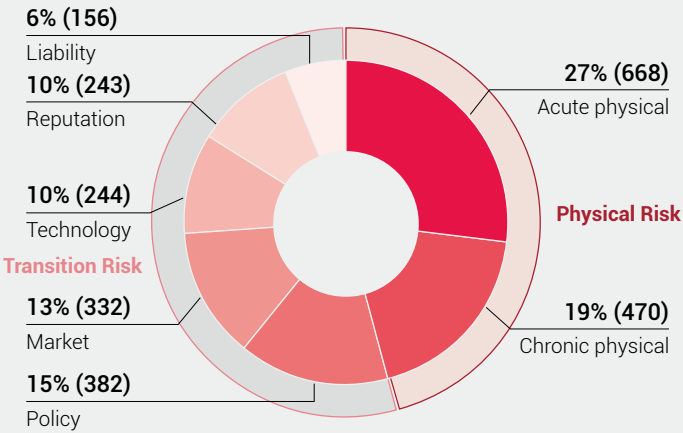
Frequency of risk assessment Unit: %(companies)/(N:273)



Stakeholders considered during risk assessment Unit: %(companies) / (N:273, multiple choices)



Risk types included in risk assessment Unit: %(companies)/ multiple choices



Detailed climate-related risk type (multiple choices)

Risk types	Risk types and criteria considered	companies
Transition	Changing customer behavior	159
Transition	Transition to lower emissions technology and products	157
Transition	Carbon pricing mechanisms	146
Transition	Increased partner and stakeholder concern and partner and stakeholder negative feedback	137
Physical	Flood (coastal, fluvial, pluvial, ground water)	131
Transition	Changes to national legislation	123
Physical	Cyclones, hurricanes, typhoons	123
Transition	Non-compliance with regulations	103
Physical	Heavy precipitation (rain, hail, snow/ice)	103

Climate risks



93% (272) of responding companies identified and reported substantive climate risks, 642 in total (2.4 per company). This is about half the global 4.6, a relatively narrow scope. By type, transition risks account for 65.4% and physical risks 34.6%. Within transition risks, the order is policy and legal (31.9%; global 28.8%), market (16.0%; 14.4%), reputation (9.9%; 9.6%) and technology (7.6%; 9.7%); technology being the only category below global. Among physical risks, short-term (e.g. floods, typhoons) is 78.3% and long-term (e.g. sea-level rise) 21.7%.

Emissions trading and carbon taxes



36% (106) of responding companies are subject to the K-ETS, only 15 (5%) to an overseas scheme and just 1 (0.3%) to a carbon tax. Among K-ETS participants, allowance supply and demand split between 50 companies in surplus (+17.17 MtCO2e) and 56 in deficit (-26.64 MtCO2e), a net deficit of 9.47 MtCO2e. The two largest surplus holders (POSCO +5.36 million tonnes; Samsung Electronics +3.56 million tonnes) hold 52% of total surplus, while 81.2% of the deficit is concentrated in four major power generators (Korea South-East, East-West, Midland and Western Power), polarised by Phase 3 (2021–2025).

Climate opportunities



90% (263) of responding companies identified substantive climate opportunities, and the non-identification rate of 9.6% is half the global 19.7%. A total of 440 were reported, 1.7 per company. By type, renewable energy (66 companies) is most common, its long-term impact limited to KRW 5.8 trillion; new eco-friendly products/services (55) reach a maximum long-term KRW 1,297 trillion and consumption-trend responses (29) KRW 676 trillion. Realization costs are low for renewable energy at KRW 2.8 billion per company but high for new-product development at KRW 31.8 billion.

Financial effect by Climate-related risk type

Unit: KRW 100m / multiple choices

Climate-related Risk type	Com-panies	Companies quantifying financial effect	Average Financial Effect						
			Reporting year	(Est.) short-term		(Est.) medium-term		(Est.) long-term	
				Min	Max	Min	Max	Min	Max
(Transition) Carbon pricing mechanisms	131	115	369	19,421	50,435	44,568	86,426	167,636	402,719
(Transition) Changing customer behavior	69	47	5,026	18,175	41,269	162,441	284,732	310,742	768,280
(Physical) Cyclone, hurricane, typhoon	41	32	54	3,426	9,483	2,727	3,671	5,029	23,330
(Transition) Increased partner and stakeholder concern or negative partner and stakeholder feedback	40	31	6,115	18,545	49,867	16,756	67,015	8,956	40,202
(Transition) Changes to national legislation	34	22	12	46	53	1,368	8,455	10,784	15,528
(Transition) Transition to lower emissions technology and products	34	22	2,810	26,824	45,435	27,485	59,468	543,852	760,695
(Physical) Flooding (coastal, fluvial, pluvial, groundwater)	27	17	22	27,102	69,511	59,655	94,268	87,465	142,141
(Physical) Heat wave	27	24	314	4,956	18,132	1,192	5,354	1,598	7,254
(Physical) Changing temperature (air, freshwater, marine water)	22	19	8	10,459	10,882	8,903	9,800	25,141	32,330
(Transition) Changes to international law and bilateral agreements	19	13	-	117	342	3,826	8,761	16,626	23,244
(Physical) Heavy precipitation (rain, hail, snow/ice)	18	14	658	9,967	10,120	15,047	15,353	558	769
(Physical) Increased severity of extreme weather events	18	11	35	6,421	6,629	27,456	28,135	35,830	46,386
(Transition) Non-compliance with legislation	17	13	4	18,718	19,220	62	67	3,156	10,466
(Physical) Heat stress	12	10	10	2,064	2,404	1,250	1,526	17,478	31,114
(Physical) Temperature variability	11	9	4,130	620	627	1,313	1,453	1,828	2,697
(Transition) Changes to regulation of existing products and services	9	8	799	815	1,808	-	36,285	5,082	6,778
(Physical) Drought	8	4	-	-	-	2,616	4,919	351	659
(Physical) Changing precipitation patterns and types (rain, hail, snow/ice)	8	5	1	2	3	372	471	4,568	5,315
(Physical) Sea level rise	7	5	-	-	-	-	-	38,894	39,411

Financial effect by Climate-related opportunity type

Unit: KRW 100m / multiple choices

Climate-related Opportunity type	Companies	Companies quantifying financial effect	Average Financial Effect						
			Reporting year	(Est.) short-term		(Est.) medium-term		(Est.) long-term	
				Min	Max	Min	Max	Min	Max
Use of renewable energy sources	66	47	2	73	207	178,382	181,712	10,974	58,421
Development of new products or services through R&D and innovation	55	49	6,338	7,054	12,207	1,779,346	4,300,578	6,878,614	12,969,473
Expansion into new markets	34	25	22,254	361,570	383,718	745,963	843,738	616,901	863,943
Shift in consumer preferences	29	26	13,392	460,164	560,021	871,418	2,007,153	5,530,135	6,759,114
Increased sales of existing products and services	24	22	13,320	182,274	188,182	456,954	895,006	671,803	688,179
Cost savings	21	17	3	8,633	8,647	8,309	8,324	12,073	12,284

Climate transition plans



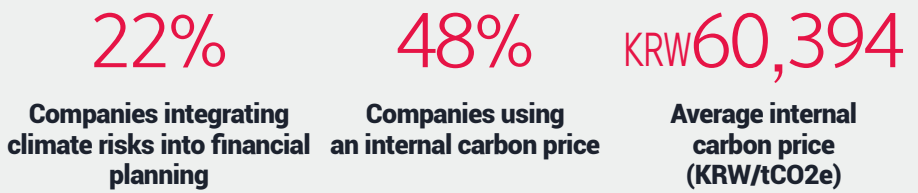
Most of the 91 companies (31.2%) without a climate transition plan cited 'lack of resources' (80 cases), indicating the barrier lies in capability rather than will. At the same time, 139 companies do not consider environmental factors at all, so compliance and indifference coexist. The gap by size is pronounced: the 86% adoption rate among the Top 100 by revenue (global 59%) shows the K-ETS and ESG disclosure effect. Declarations to halt fossil-fuels use (18.8%) exceed Japan's (16.9%), and tabling transition plans for a shareholder vote (7.9%) far surpasses the global 3.8%, a regulatory front-runner profile.

Scenario analysis



In methodology, a combined qualitative-and-quantitative approach predominates at 94.6%, while reliance on qualitative analysis alone (3.7%) is rare. Physical scenarios concentrate heavily on RCP 8.5 (53.2%) and transition scenarios on the IEA NZE 2050 (40.5%). By time horizons, 2050 (502 cases) is most common, clustering around net-zero target years; on temperature, responses cluster at the two extremes of 1.5°C (206 cases) and 4.0°C or higher (143 cases). Intermediate pathways (RCP 4.5, the IEA APS and the 2.0–3.0°C range) are markedly underused, making the multi-scenario assessment required by IFRS S2 an urgent task.

Integration into financial planning and internal carbon pricing



The internal-carbon-price adoption rate among Korean companies is 48% (137 companies), more than double the global 23.2%; yet the price level averages KRW 60,394 (about US\$42/tCO2e), only 22% of the global KRW 270,770. The most common price point is KRW 12,164 (about US\$8.52/tCO2e), effectively the K-ETS market price. By type, shadow price dominates at 82.4%, followed by implicit price at 10.1% and internal fee at 4.7%. This concentration on shadow pricing means carbon costs remain at the 'notional price' stage, not yet reflected in actual cash flows or profit-and-loss.

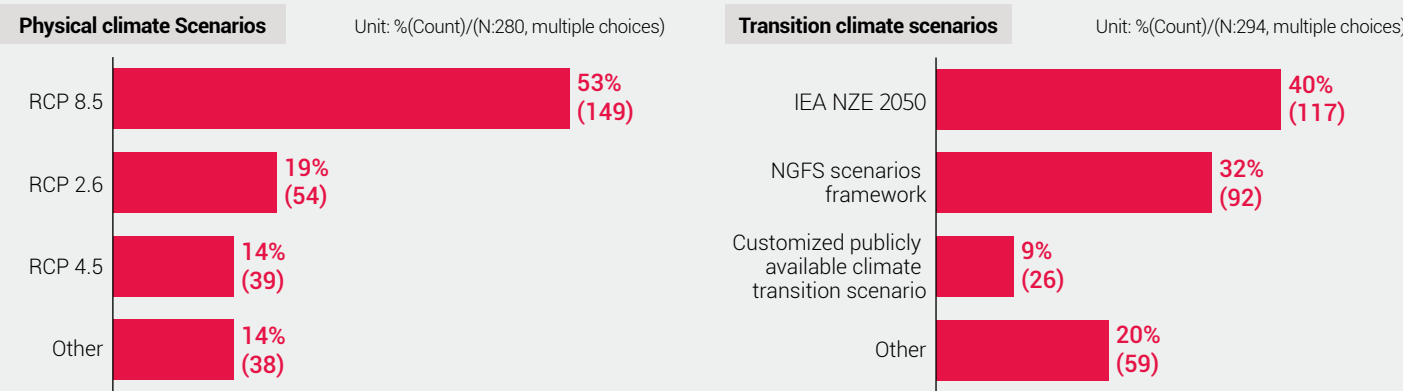
1. Shadow Price
2. Implicit Price
3. Internal Fee

Climate transition plan details of Korean companies

(N:292)

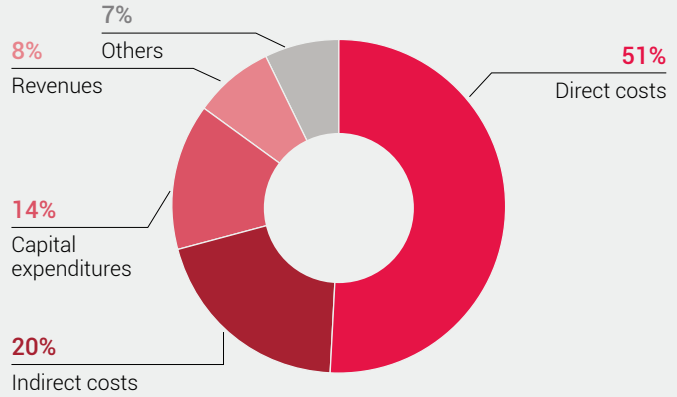
Temperature alignment	Transition Plan		Publicly available		Fossil Fuel Commitment		Shareholder Feedback Mechanism	
	Share(%)	Companies	Share(%)	Companies	Share(%)	Companies	Share(%)	Companies
1.5°C	59%	171	54%	158	15%	44	8%	23
Well-below 2°C	2%	7	2%	7	0%	-	0%	-
2°C	2%	7	2%	6	0%	-	0%	-
Other	5%	16	5%	16	4%	11	0%	-
Total	69%	201	64%	187	19%	55	8%	23

Types of Scenarios Used



Financial Planning Elements Reflecting Climate Risks

Unit: %(Count)/(N:88, multiple choices)



Internal carbon price (shadow price) by country

Unit: KRW /tCO2e
1 USD = KRW 1,427.5

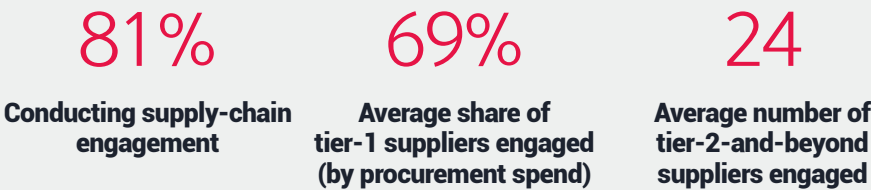
Country	Average internal carbon price			Most-frequent price point
	Min	Max	Median	
Korea	97	969,272	60,394	12,164
Global	2	97,444,121	270,770	89,933
Japan	9	2,248,313	118,725	89,933
China	1,513	583,277	37,089	19,443
USA	157	428,250	104,430	71,375
EU	345	19,985,000	228,876	146,933

Policy engagement



The policy-engagement rate among responding companies is 45% (132 companies), about 20%p above the global 25%, reflecting a proactive response to domestic climate policy. The leading policy issue for direct engagement is the emissions trading scheme (35 cases), a clear contrast with the global lead issue (renewable-power generation). By contrast, only 39% (114) have publicly committed to engagement in line with the Paris Agreement, 11%p below the global figure of 50%. Companies are also passive where their climate position differs from that of a trade association: of 76 respondents, only 2 took substantive action.

Supply-chain engagement



81% (236) of responding companies conduct supply-chain engagement. The average share of tier-1 suppliers engaged, by procurement spend is high at 69%, but for tier-2 and beyond it is only 24 suppliers, so in-depth management is still early-stage. The most common requirements placed on tier-1 suppliers were Scope 1&2 emissions disclosure (40%, 66) and regular environmental risk assessments (26%, 43), followed by compliance with environmental certifications (19%, 32). By contrast, only 4% (7) required suppliers to set science-based targets (SBTs) or implement climate transition plans — a stark contrast with global trends.

Integration of climate issues into purchasing contracts



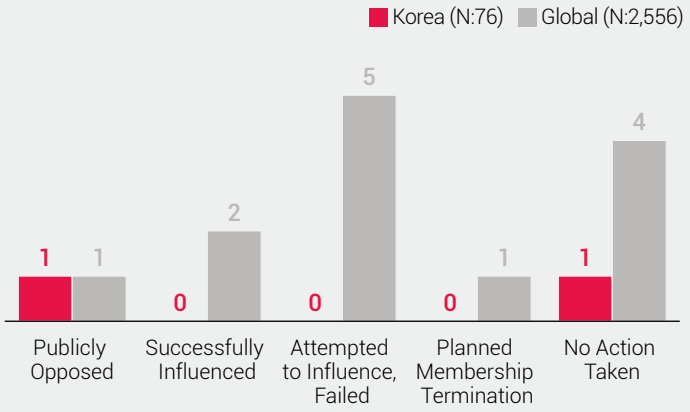
69% of the Top 100 Korean companies by revenue integrate climate issues into their purchasing contracts, 8%p above the global Top 100 (61%) and 15%p above the Japanese Top 100 (54%), a globally leading position in imposing climate-related conditions on their supply chains. However, full (100%) compliance with supplier environmental requirements is lowest in Korea (39%) versus the global 46% and Japan (49%). More serious is the response to non-compliance: 51% of Korean companies take no action, versus just 1.6% globally; 61% globally retain suppliers and require improvement, against only 20% in Korea.

1. Top 100 companies by revenue (regional)

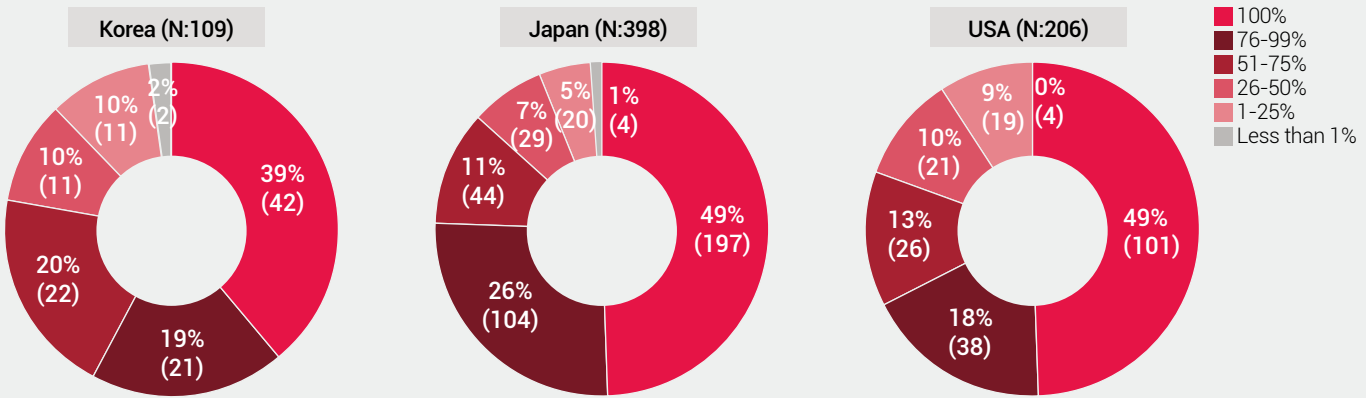
Ranking of Policy Areas for Direct Engagement

	Korea	Rank	Global
Emissions trading schemes	1		Renewable energy generation
Renewable energy generation	2		Emissions trading schemes
Green tariffs/renewable PPAs	3		Alternative fuels
Mandatory environmental reporting	4		Energy efficiency requirements
Low-carbon, non-renewable energy generation	5		Climate transition plans
Subsidies for low-carbon, non-renewable energy projects	6		Circular economy
Climate transition plans	7		Electricity grid access for renewables
Corporate environmental reporting	8		Carbon taxes

Actions Taken on Association-Company Position Misalignment (Indirect Engagement via Trade Associations)



Tier 1 Supplier Compliance Rate with Climate Requirements (Based on Scope 3 emissions)



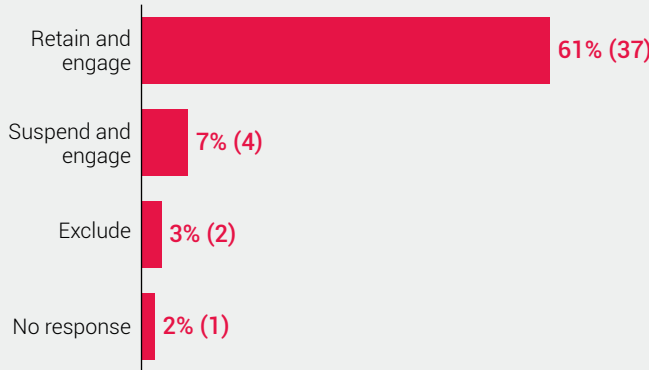
Top 100 Global : Supplier Environmental Requirements

(N:61, Multiple choices)

Environmental requirement	Companies	Share (%)
Setting a science-based emissions reduction target	22	36%
Implementation of emissions reduction initiatives	22	36%
Disclosure of GHG emissions to your organization (S1,2,3)	13	21%
Environmental disclosure through a public platform	13	21%
Environmental disclosure through a non-public platform	11	18%
Compliance with an environmental certification	10	16%
Measuring product-level emissions	9	15%
Waste and resource reduction and material circularity	9	15%

Global Top 100: Responses to Supplier Environmental Non-Compliance

Unit: %(Count)/(N:61)



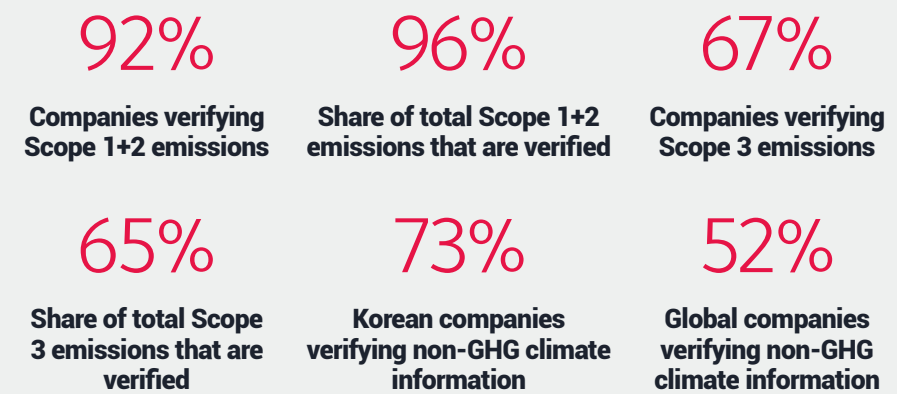


Emissions accounting methodology



90% (262) of responding companies apply the operational control approach – 20 percentage points higher than the global figure (70%). By contrast, 75% of Japanese companies adopt the financial control approach, a stark difference, which is attributed to Korean companies' familiarity with the domestic emissions trading scheme (K-ETS), which requires facility-level reporting. The consolidation approach is applied by 78%, while the equity-share approach (2%) and others are used by very few. In addition, only 14% of companies apply IPCC AR6, the latest Global Warming Potential (GWP) standard, with most still calculating emissions on earlier generations (SAR, AR4, AR5).

Verification of climate information

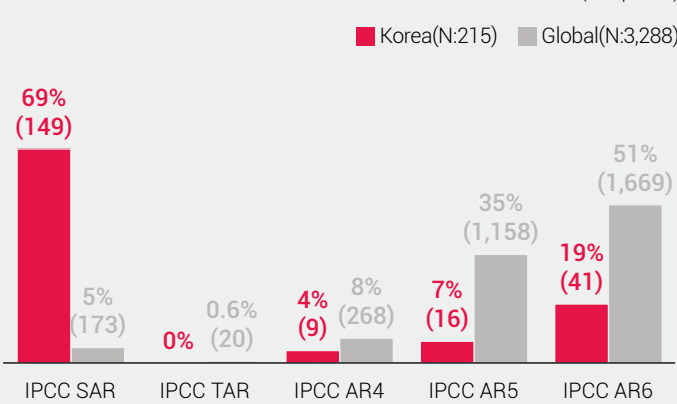


The Scope 1+2 verification rate is 92% (Scope 1: 91.8%; Scope 2: 92.5%), the highest level globally, far above the global (67%/66%), Japan (57%/55%) and the US (60%/58%). Verified emissions reach 96% of total Scope 1+2, so almost all reported emissions undergo third-party verification. The Scope 3 verification rate is 67%, above the global 64%, and verified emissions are 65% of total Scope 3. This reflects Korea's mandatory verification framework under the Greenhouse Gas Target Management System and the K-ETS spreading into a culture of voluntary verification.

By category, emissions (35%) and energy (20%) verification predominate in Korea, while risk and opportunity management verification reaches 11%, 2.4 times the global 5%, extending verification into non-emissions areas. Qualitative information is also higher than global: governance (6%), business strategy (8%) and integrated approaches (7%) versus 3–4% each. Japan contrasts sharply: energy verification is 52%, 2.5 times Korea's (20%), a structure specialised in energy data, while its governance, risk and strategy verification is only 0.2–0.4%. For emissions-target verification, Korea (7%) trails the global 9%, a future task. Overall, 73% of Korean companies verify non-GHG climate information, 21%p above the global 52%, leading in both quantitative and qualitative scope.



Global Warming Potential (GWP, 100-Year) Applied for Emissions Calculation

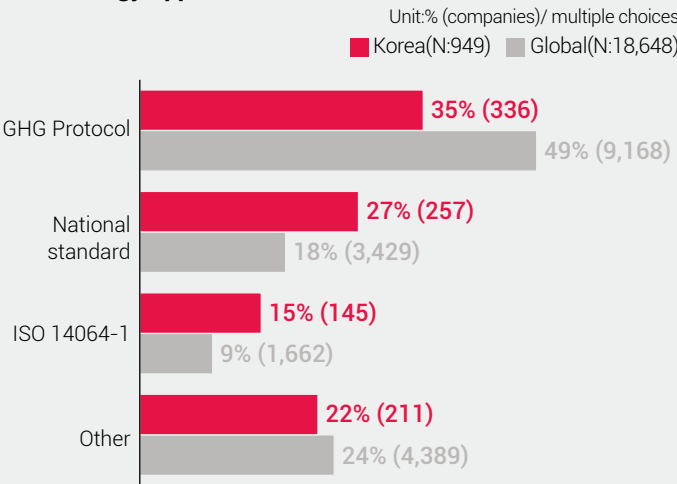


Consolidation Approaches Used by Country

Unit: % (companies)

Country	Reporting companies	Operational control	Financial control	Equity share	Other
Korea	290	90% (262)	7% (19)	2% (5)	1% (4)
Global	6,258	70% (4,560)	25% (1,613)	2% (138)	3% (217)
Japan	1,146	20% (225)	75% (835)	3% (32)	5% (54)
USA	976	85% (289)	9% (90)	3% (25)	3% (32)
China	568	78% (444)	15% (86)	2% (9)	5% (29)
EU	1,858	73% (1,356)	24% (441)	2% (28)	2% (33)

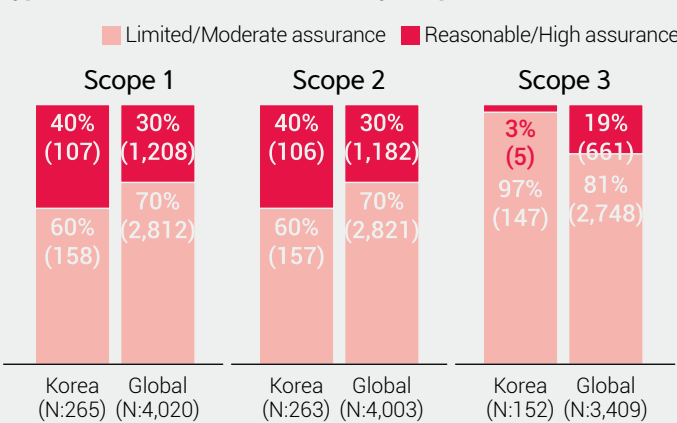
Methodology Applied for Emissions Calculation



Verification rate by scope among emissions-calculating companies

Category		Korea	Global	Japan	USA
Scope 1	Reported(companies)	282	6,268	1,110	926
	Verified (companies)	259	4,199	632	552
	Rate (%)	92%	67%	57%	60%
Scope 2	Reported(companies)	283	6,307	1,140	946
	Verified (companies)	260	4,172	629	548
	Rate (%)	92%	66%	55%	58%
Scope 3	Reported(companies)	222	5,564	1,036	811
	Verified (companies)	149	3,542	545	434
	Rate (%)	67%	64%	53%	54%

Type of Verification or Assurance by Scope



Verification Rate by Climate Disclosure Module

Unit: % (companies) / multiple choices

Category	Korea (N:1,265)	Global (N:20,457)	Japan (N:1,264)	USA (N: 1,435)
Governance	6% (73)	2% (494)	0.3% (4)	1% (11)
Risks/opportunities management	11% (140)	5% (930)	0.3% (4)	1% (15)
Business strategy	8% (96)	4% (837)	0.2% (3)	0.4% (6)
Consolidation approach	7% (92)	3% (586)	0.4% (5)	1% (18)
Emissions	35% (444)	38% (7,714)	41% (516)	39% (560)
Energy	20% (250)	31% (6,367)	52% (658)	43% (624)
Reduction targets	7% (83)	9% (1,849)	3% (40)	8% (119)

Scope 1&2 GHG Emissions

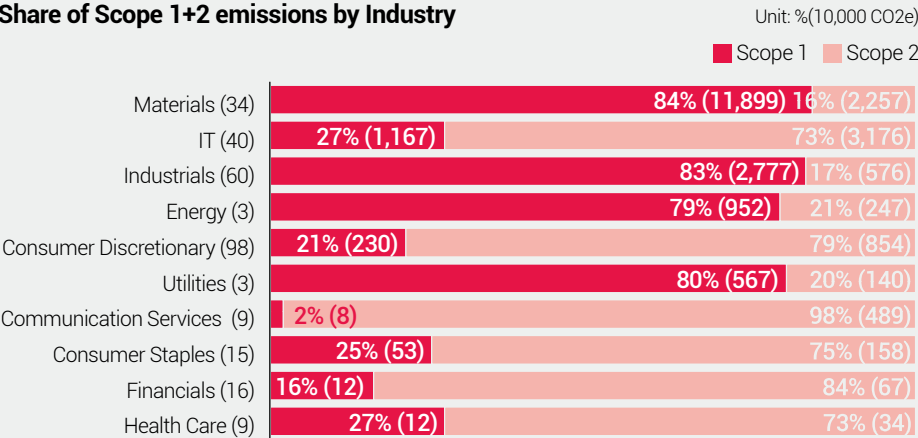
Scope 1&2 emissions¹

98% 38% 60%

Companies calculating and reporting Scope 1+2 emissions Companies with a year-on-year fall in absolute Scope 1+2 emissions Companies with a year-on-year fall in Scope 1+2 emissions intensity (by revenue)

Based on the 287 companies excluding the five power generators, 98% report Scope 1+2 emissions, effectively universal coverage. Against the previous year (N = 269), 38% recorded a fall in absolute emissions and 60% a fall in revenue-based emissions intensity, so reductions are occurring at a majority of companies. A 98% reporting rate even after excluding the power generators reflects Korea's Greenhouse Gas Target Management System and the K-ETS spreading even to voluntary reporters, With the quantitative build-out now complete, the next task is to raise data quality and verification.

Share of Scope 1+2 emissions by Industry



Scope 1 & Scope 2(location-based) emissions by operational site location of Korean companies

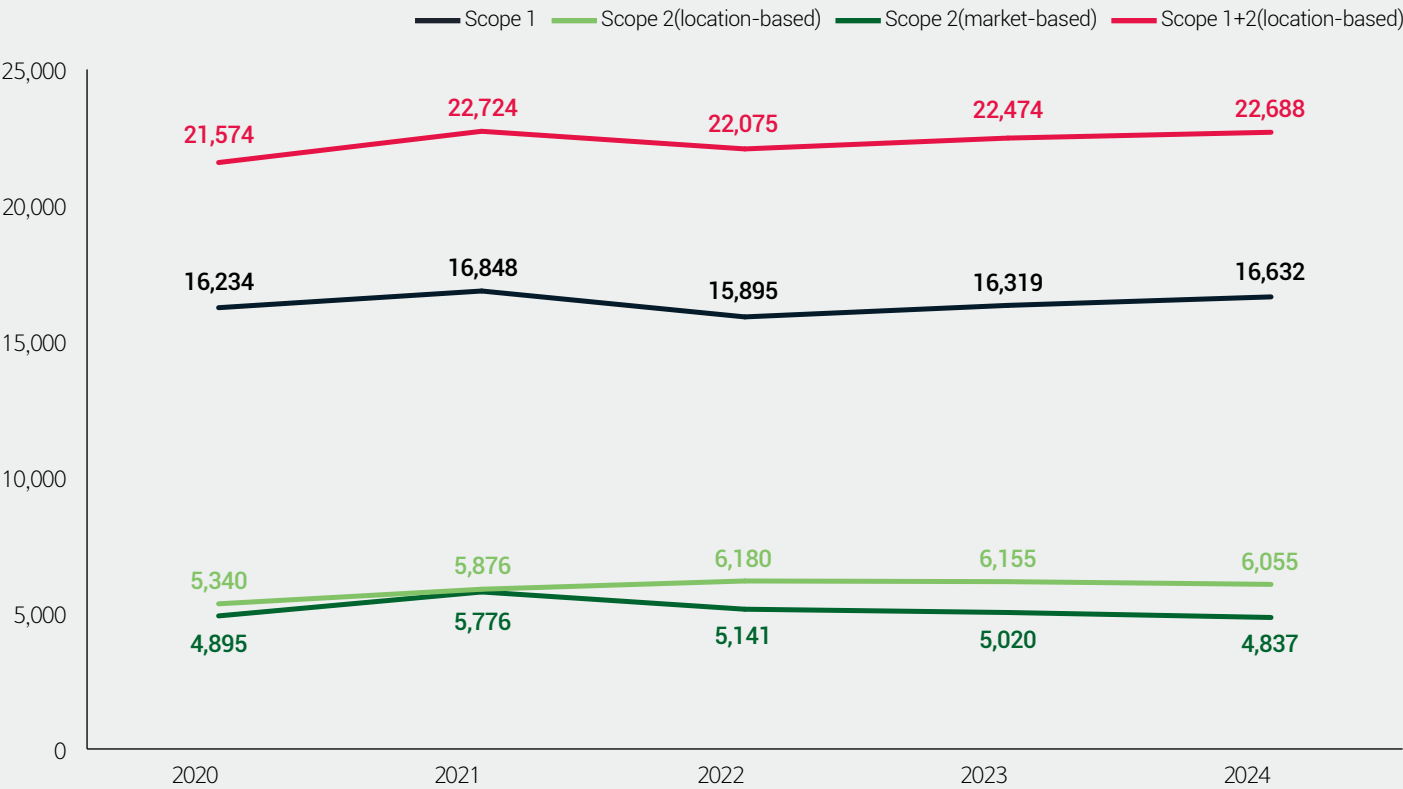
Unit: 10,000 tCO2e / multiple responses

Operational Site	Reporting companies	Scope 1+2	Scope 1	Scope 2
Total	988	27,506	17,545	9,961
Korea	246	24,267	16,332	7,935
Overseas	742	3,239	1,214	2,026
China	94	1,295	225	1,070
USA	70	532	373	159
Vietnam	58	418	61	357
Malaysia	16	215	137	77
India	45	110	26	84
Indonesia	32	100	27	73
Poland	21	90	18	72
Mexico	40	48	11	37
Hungary	11	43	16	28

1. The emissions analysis uses data from 287 companies, excluding Korea Electric Power Corporation and four power generators (South-East, East-West, Midland, Western).

Trend Analysis of Scope 1+2 Emissions of Korean Companies (N=87, 5 Consecutive Years of Responses)

Unit: 10,000 tCO2e



Scope 1+2 (Location-Based) Emissions Trend Analysis by Key Industry (5-Year Consecutive Respondents)

Unit: 10,000 tCO2e

Materials (N:15)

Reporting year	Scope 1+2	Scope 1	Scope 2
2020	12,874	11,506	1,368
2021	13,396	11,770	1,625
2022	12,481	10,886	1,594
2023	13,046	11,354	1,691
2024	12,866	11,233	1,633

IT (N:13)

Reporting year	Scope 1+2	Scope 1	Scope 2
2020	3,560	1,096	2,464
2021	3,952	1,275	2,677
2022	3,984	1,051	2,933
2023	3,537	760	2,777
2024	3,737	1,023	2,714

Industrials (N:24)

Reporting year	Scope 1+2	Scope 1	Scope 2
2020	2,148	1,910	238
2021	2,314	2,068	246
2022	2,530	2,183	347
2023	2,823	2,474	349
2024	3,020	2,658	363

Energy (N:2)

Reporting year	Scope 1+2	Scope 1	Scope 2
2020	1,213	973	240
2021	1,167	911	255
2022	1,130	924	206
2023	1,169	940	229
2024	1,172	945	227

Consumer Discretionary (N:113)

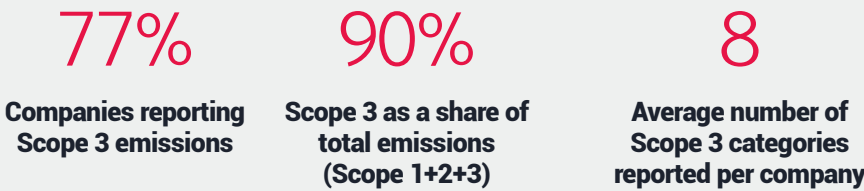
Reporting year	Scope 1+2	Scope 1	Scope 2
2020	752	195	557
2021	735	189	546
2022	735	182	552
2023	710	168	541
2024	730	174	556

Utilities (N:2)

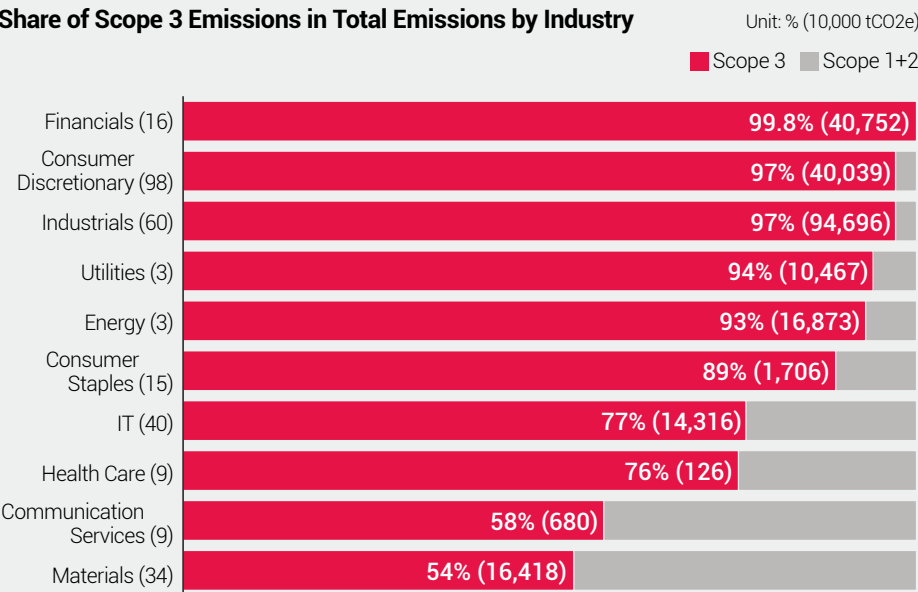
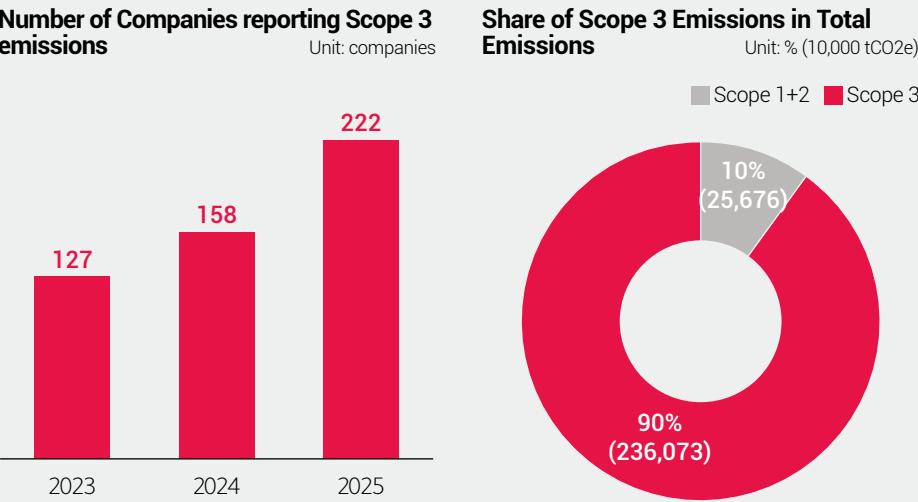
Reporting year	Scope 1+2	Scope 1	Scope 2
2020	581	529	52
2021	659	605	54
2022	698	637	61
2023	647	587	60
2024	626	567	60

Scope 3 GHG Emissions

Scope 3 emissions¹



Of the 287 companies (excluding the five power generators), 77% (222) report Scope 3 emissions, and Scope 3 is 90% of total emissions, so supply-chain emissions dominate. The most reported categories are waste generated in operations (196 companies), purchased goods and services (189) and business travel (174), concentrating on categories where data are relatively easy to calculate. By contrast, reporting is markedly lower for categories of limited relevance to an industry or hard to quantify, such as franchises (20) and processing of sold products (40).



1. The emissions analysis uses data from 287 companies, excluding Korea Electric Power Corporation and four power generators (South-East, East-West, Midland, Western).

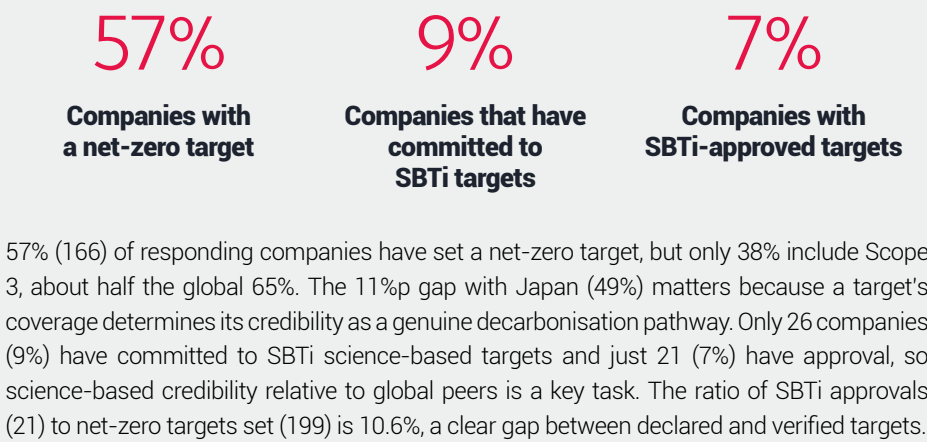
Scope 3 Reporting Status by Category

Unit: tCO₂e

Category		Total	Sector									
			Financials	Consumer Discretionary	Industrials	Utilities	Energy	Consumer Staples	IT	Health Care	Communication Services	Materials
Purchased Goods & Services	No. of Companies	189	16	42	44	2	3	14	28	7	8	25
	Average Emissions	19,688,881	861	1,768,354	1,019,248	2,855,002	9,545,200	849,752	800,165	123,839	454,591	2,271,870
Capital Goods	No. of Companies	149	12	29	37	2	2	12	19	6	9	21
	Average Emissions	453,940	4,740	31,231	53,190	44	10,632	13,765	159,518	12,609	119,542	48,668
Fuel-and-energy -related activities (not included in Scope 1 or 2)	No. of Companies	168	10	40	40	2	3	14	21	4	9	25
	Average Emissions	2,949,525	5,885	37,876	130,968	2,025,764	202,840	19,863	245,275	12,660	59,029	209,365
Upstream transportation and distribution	No. of Companies	151	7	32	40	2	3	12	20	4	6	25
	Average Emissions	1,970,023	277	98,282	378,555	370,372	471,455	50,263	361,199	3,199	8,062	228,359
Waste generated in operations	No. of Companies	196	15	53	45	2	3	14	24	7	8	25
	Average Emissions	139,156	530	32,070	7,540	7,911	13,384	5,676	26,158	1,226	1,488	43,173
Business travel	No. of Companies	174	14	41	40	2	3	14	22	6	8	24
	Average Emissions	38,474	1,359	6,197	4,382	988	2,428	1,219	16,574	1,599	2,576	1,152
Employee commuting	No. of Companies	162	11	36	41	2	3	15	21	6	8	19
	Average Emissions	40,609	1,730	7,058	4,276	988	2,428	1,137	17,364	1,599	2,576	1,455
Upstream leased assets	No. of Companies	55	5	12	7	-	2	5	12	2	2	8
	Average Emissions	202,598	19,098	50,822	27,607	-	13,295	7,489	34,441	4,967	36,969	7,910
Downstream transportation and distribution	No. of Companies	98	-	26	18	1	2	8	16	4	2	21
	Average Emissions	1,732,106	-	145,720	316,936	942,514	195,119	19,250	10,738	29,086	306	72,438
Processing of sold products	No. of Companies	40	-	15	1	-	2	2	8	2	-	10
	Average Emissions	2,359,419	-	176,232	7,114	-	1,128,657	65,228	641,896	25,208	-	315,085
Use of sold products	No. of Companies	81	8	17	26	1	3	4	11	-	6	5
	Average Emissions	209,697,603	7,729	18,988,908	32,653,064	92,592,450	41,960,765	470,706	8,616,922	-	66,659	14,340,399
End of life treatment of sold products	No. of Companies	99	7	19	26	-	3	12	12	3	5	12
	Average Emissions	4,212,347	157	309,825	174,033	-	2,630,649	40,362	171,716	320	494	884,791
Downstream leased assets	No. of Companies	62	5	13	9	-	2	8	8	3	5	9
	Average Emissions	488,031	127,557	3,230	79,316	-	1,413	2,364	9,464	607	46,717	217,365
Franchises	No. of Companies	20	-	7	2	-	1	5	1	-	4	-
	Average Emissions	276,471	-	4,442	1,595	-	-	253,178	-	-	17,256	-
Investments	No. of Companies	95	17	16	21	2	2	5	8	4	5	15
	Average Emissions	27,036,861	23,914,122	527,775	775,516	303,592	775,460	59,949	209,106	14,989	98,103	358,250

Reduction Targets and Carbon Credits

Net-zero targets

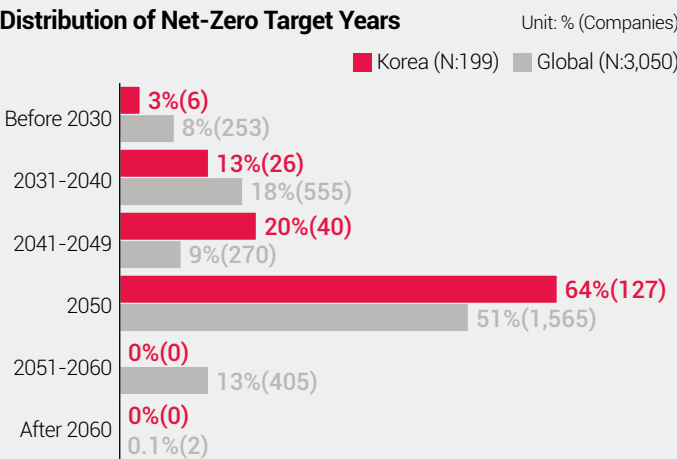
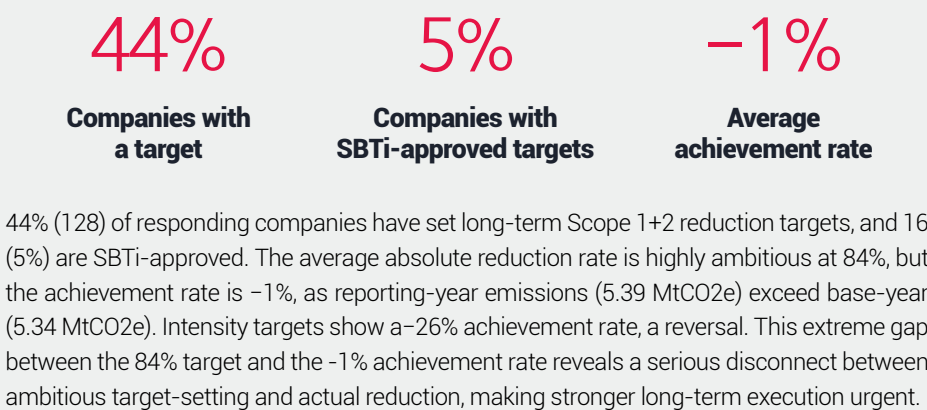


Scope 1+2 near-term reduction targets



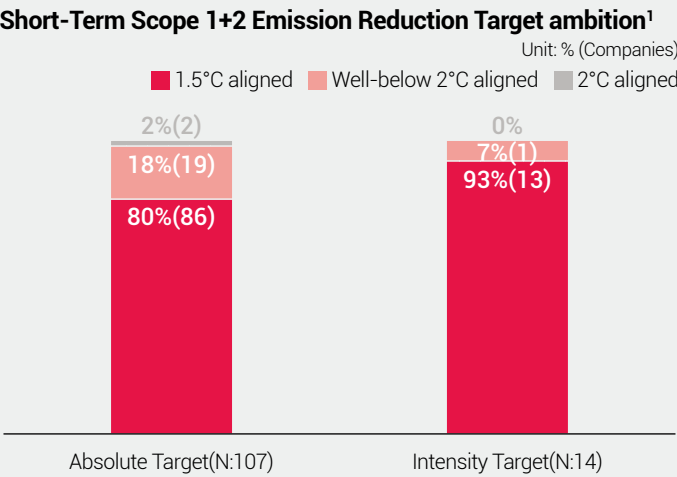
1. target levels are as stated by the companies themselves.

Scope 1+2 long-term reduction targets



Share of Net-Zero Targets Including Scope 3 Emissions

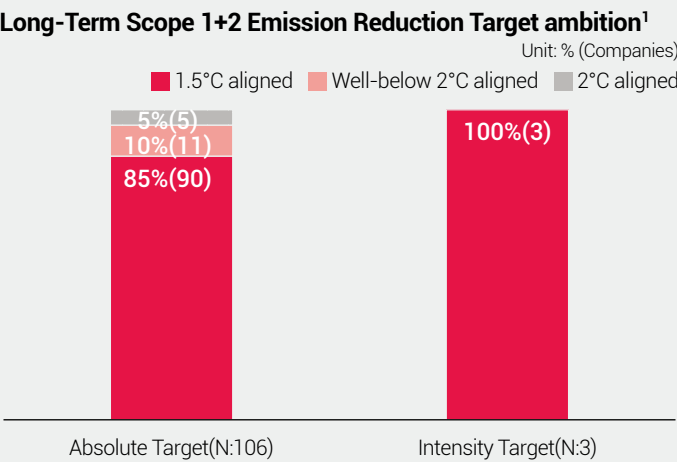
Category	No. of Net-Zero Targets Set	Including Scope 3	
		No. of Targets	Share (%)
Korea	199	76	38%
Global	3,064	1,980	65%
Japan	663	323	49%



Avg. Achievement Level of Short-Term Scope 1+2 Emission Reduction Targets

Unit: tCO₂e (Absolute) / tCO₂e/unit (Intensity)

Category	Absolute Reduction Target	Intensity Reduction Target
No. of Reported Targets	183	18
Avg. Base Year Emissions	2,431,450	582
Avg. Target Year Emissions	1,645,612	194
Avg. Target Reduction (%)	32	67
Avg. Reporting Year Emissions	2,080,388	341
Avg. Target Achievement (%)	45%	62%



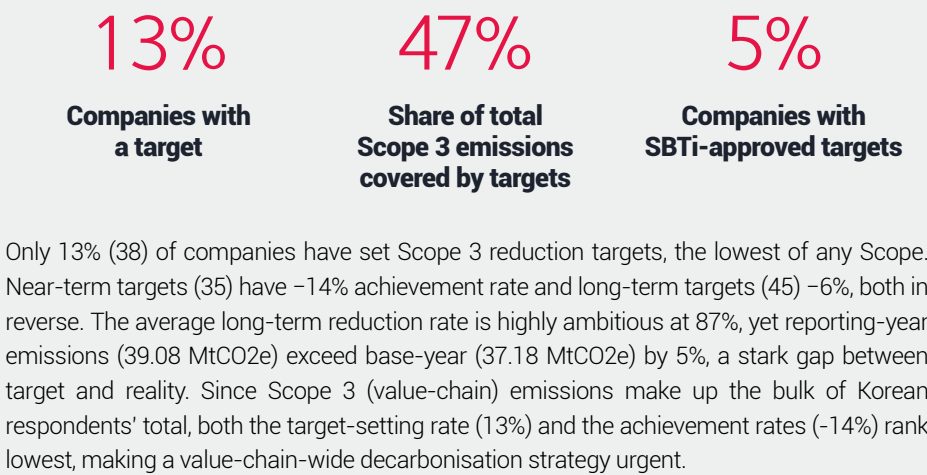
Avg. Achievement Level of Long-Term Scope 1+2 Emission Reduction Targets

Unit: tCO₂e (Absolute) / tCO₂e/unit (Intensity)

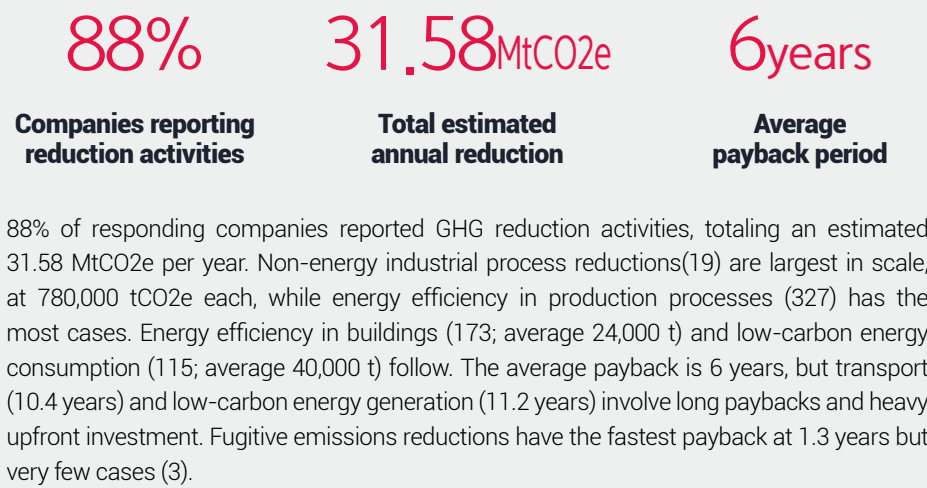
Category	Absolute Reduction Target	Intensity Reduction Target
No. of Reported Targets	161	15
Avg. Base Year Emissions	5,344,745	38
Avg. Target Year Emissions	2,994,132	0
Avg. Target Reduction (%)	84	67
Avg. Reporting Year Emissions	5,393,371	44
Avg. Target Achievement (%)	-1%	-26%

Reduction Targets and Carbon Credits

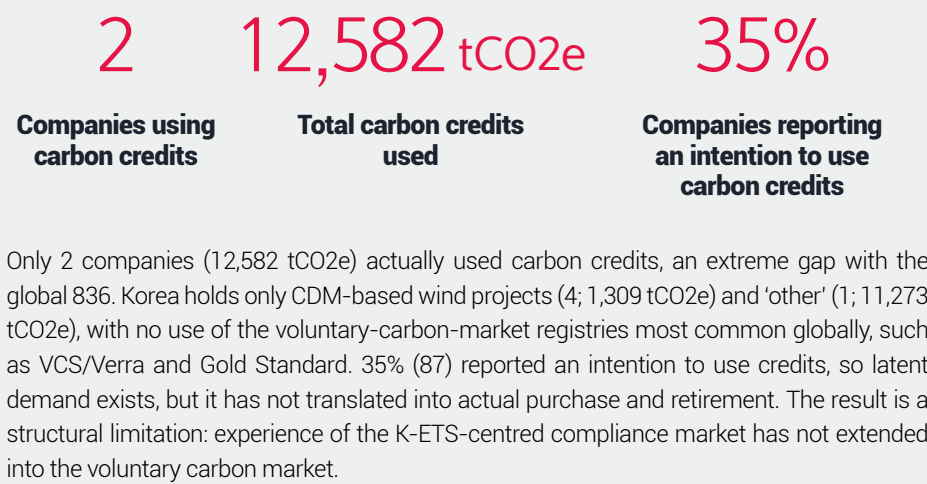
Scope 3 near-term reduction targets



GHG emissions-reduction activities



Carbon credits



1. VCS/Verra (Verified Carbon Standard)
2. CDM (Clean Development Mechanism)
3. ACR (American Carbon Registry)
4. CAR (The Climate Action Reserve)

No. of Companies with Scope 3 Targets by Category



Avg. Achievement of Short- & Long-Term Absolute Scope 3 Reduction Targets

Unit: tCO₂e

Category	Short-term target	Long-term target
No. of Reported Targets	35	45
Avg. Base Year Emissions	810,723	37,189,609
Avg. Target Year Emissions	647,740	4,983,778
Avg. Target Reduction (%)	20	87
Avg. Reporting Year Emissions	832,918	39,087,534
Avg. Target Achievement (%)	-14%	-6%

Details of Key Emission Reduction Initiatives

(Multiple choices)

Initiative Category	No. of Reports	Total Reduction (tCO ₂ e)	Avg. Reduction (tCO ₂ e)	Avg. Investment (KRW million)	Avg. Payback Period
Energy Efficiency in Production Processes	327	3,486,627	10,662	364,568	4.5
Energy Efficiency in Buildings	173	4,100,929	23,705	58,852,435	5.3
Low-Carbon Energy Consumption	115	4,548,823	39,555	72,982	8.3
Transportation	53	2,666,884	50,319	43,818	10.4
Low-Carbon Energy Generation	46	1,354,361	29,443	38,010,237	11.2
Non-Energy Industrial Process Emissions Reductions	19	14,826,062	780,319	25,343	4.3
Company Policy or Behavioral Change	15	31,640	2,109	273,233	4.5
Waste Reduction and Material Circularity	12	427,269	35,606	10	5.5

Key Carbon Credit Project Types

(Multiple choices)

Project Type	Korea (N:2)		Global (N:836)	
	No. of Projects	Credits Retired (tCO ₂ e)	No. of Projects	Credits Retired (tCO ₂ e)
Hydropower	0	0	106	12,592,836
Other	1	11,273	324	10,293,618
Wind	4	1,309	257	7,187,617
Forest ecosystem restoration	0	0	155	4,229,142
Solar	0	0	161	3,691,953
Energy efficiency: households	0	0	69	3,444,116

Type of Carbon Credit Registry

Registry Name	Korea (N:2)		Global (N:836)	
	No. of Projects	Credits Retired (tCO ₂ e)	No. of Projects	Credits Retired (tCO ₂ e)
VCS/Verra ¹	0	0	846	29,939,509
Gold Standard	0	0	372	9,019,659
CDM ²	4	1,309	164	5,055,562
Other regulatory carbon crediting program	1	11,273	105	4,066,007
ACR ³	0	0	132	3,491,270
REDD+	0	0	41	1,963,958

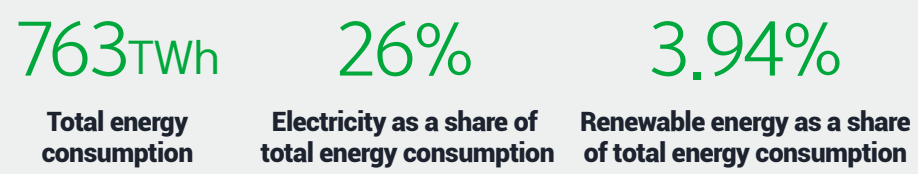


Energy

2



Total energy consumption



Excluding power generators and companies with anomalous entries, 280 of the 292 CDP respondents have a total energy consumption of 763,519 GWh. By source, fuel consumption (excluding feedstock) is 69.9% (533,652 GWh), while purchased electricity and steam/cooling are 25.8% (196,577 GWh) and 4.0% (30,585 GWh). Renewable energy is just 3.94% (30,117 GWh) of the total. The renewable share of fuel is 0.2% (880 GWh), whereas for purchased electricity it is 13.6% (26,698 GWh), more than three times the overall average, showing that electricity-purchasing channels are the main route for the renewable transition.

1. Companies that entered energy data in TJ by mistake or miscalculated figures were excluded from the analysis.

Energy generation and consumption



Total energy generation by the 280 Korean companies is 116,842 GWh (about 117 TWh), of which 96.8% (113,104 GWh) is self-consumed. By carrier, steam is largest at 57,143 GWh (49%), as steam-intensive industries such as petrochemicals and semiconductors dominate. Renewable self-generation is only 3,038 GWh (2.6% of the total), concentrated in electricity (2,330 GWh). Renewable heat and steam generation (708 GWh) is just 0.6%, so decarbonising industrial heat is still early-stage.

Energy consumption is overwhelmingly domestic (342,379 GWh, 83.5%). Overseas consumption (67,776 GWh) is 83% concentrated in China (29,259 GWh, 43%), Vietnam (13,879 GWh, 20%) and the US (13,335 GWh, 20%). Mature PPA and REC markets make RE100 delivery easier in the US, whereas in China renewable procurement is structurally constrained by grid monopolies and PPA restrictions.

Energy Generation and Consumption: Korean CompaniesUnit:GWh

Energy carrier	Total Gross Generation	Self-Consumed	Renewable Generation	Renewable Self-Consumed
Electricity	39,270	37,457	2,330	2,168
Heat	20,408	20,276	355	225
Steam	57,143	55,350	352	333
Cooling	21	21	-	-
Total	116,842	113,104	3,038	2,725

Energy Consumption by Source: Korean CompaniesUnit:GWh

Energy Source		Total Energy Consumption	Renewable Energy Consumption	Non-Renewable Energy Consumption	Renewable Energy Share in Total (%)
Fuel Consumption (Excl. Feedstock)		533,652	880	532,772	0.2%
Purchased/Acquired Consumption	Electricity	196,577	26,698	169,880	13.6%
	Heat	504	-	504	0.0%
	Steam	30,585	386	30,199	1.3%
	Cooling	47	-	47	0%
Self-Generated Energy Consumption		2,154	2,154	-	100%
Total Energy Consumption		763,519	30,117	733,402	3.94%

Energy Consumption by Country: Korean Companies' Global Operations¹Unit:GWh

Country/Region	Total Energy Consumption	Purchased Electricity	Self-Generated Electricity	Purchased Heat/Steam/Cooling	Self-Generated Heat/Steam/Cooling
Total	410,155	196,438	35,384	51,118	127,215
Korea	342,379	147,108	35,230	48,077	111,963
Overseas	67,776	49,329	154	3,041	15,252
China	29,259	23,311	78	1,825	4,045
Vietnam	13,879	13,033	25	236	585
USA	13,335	3,712	0	936	8,687
Indonesia	1,366	1,000	7	-	360
Poland	1,815	1,236	-	-	580
Guatemala	12	8	-	-	3
India	1,437	1,319	33	8	77
Malaysia	1,312	1,309	3	-	0
Hungary	1,290	1,082	-	0	208
Mexico	1,033	868	-	0	164
Philippines	873	860	-	-	14
Czechia	452	326	0	1	125
Slovakia	421	244	-	27	150
Brazil	339	333	-	3	3
Turkey	145	131	-	-	14
Nicaragua	15	7	1	-	6
Japan	116	32	-	0	84
Thailand	103	94	-	-	9
Other	575	426	7	4	139

1. Discrepancies in figures arise from missing country-level energy data for some companies.

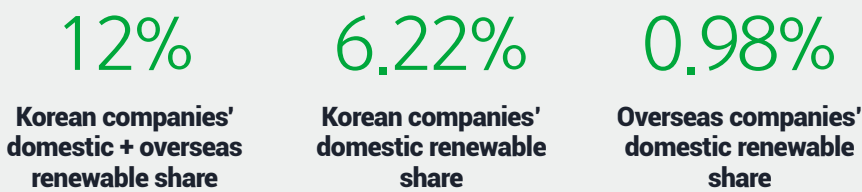
Electricity and Renewable Energy Use (CDP Responding companies)

Electricity consumption



Total electricity use by 286 Korean companies (including power generators' own consumption) is about 248 TWh, domestic sites accounting for 80%. The in-Korea electricity use of 735 overseas companies with Korean operations is 57 TWh. Korean companies' renewable share is 12% overall but only 6% domestically, so procurement at overseas sites drives the figure. The in-Korea renewable share for overseas companies is just 0.98%, a shared infrastructure-access challenge for domestic and foreign-invested firms alike. Of renewable energy consumed (30 TWh), purchases (27 TWh) make up 92% and self-generation (2 TWh) only 8%.

Renewable energy use by source



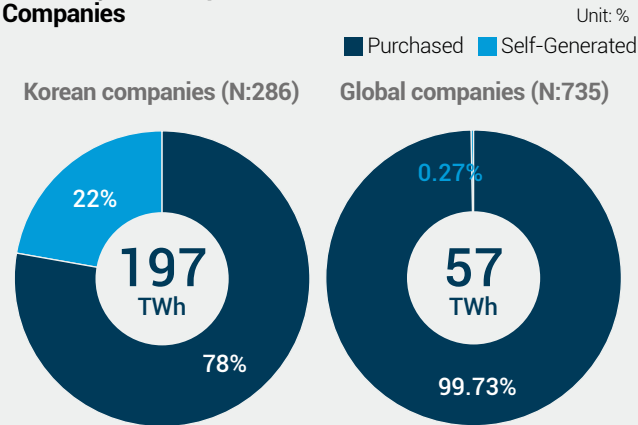
Korean companies' renewable use is markedly asymmetric between domestic and overseas sites. Domestically, solar dominates at 70%, while wind is just 0.68% (84 GWh), a heavy concentration on one source. Overseas sites spread more evenly across an RE mix (5,711 GWh, 33%), hydropower (5,029 GWh, 29%) and wind (3,413 GWh, 19%). 'RE mix' refers to cases where the technology type is hard to classify, or a blended renewable purchasing instrument is used. In particular, 'RE mix – self-generation' (302 GWh) is reported on a combined domestic/overseas basis as the CDP questionnaire does not distinguish the two, and is included in the domestic total.

Renewable energy use by procurement type



Korean companies' PPA share of renewable use is 3.74%, falling to just 2.08% domestically. By procurement type, REC purchases are largest at 55% (16,306 GWh), but 99% are overseas, so their domestic impact is minimal. Korean companies instead rely on Green Tariff (33%, 9,845 GWh) and self-generation (7.91%, 2,357 GWh) as primary renewable sourcing methods. The domestic Green Tariff (9,596 GWh) accounts for 78% of domestic renewable consumption, the dominant procurement instrument. Of the 2,357 GWh self-generated, 74% is hydropower by K-water (Korea Water Resources Corporation); excluding it leaves only 621 GWh.

Electricity Consumption in Korea: Korean vs. Global Companies

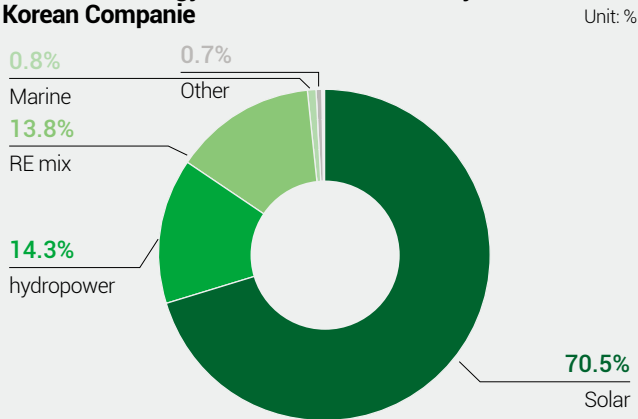


Detailed Analysis of Electricity Consumption in Korea: Korean vs. Global Companies

Unit: GWh

Category	Korean Companies(N:286)			Global companies' Korean sites (excl. Korean cos.) (N:735)
	Total	Domestic sites	Overseas sites	
Total Electricity Consumption	247,791	197,149	50,641	57,143
Renewable Energy Share(%)	12.02%	6.22%	34.61%	0.98%
Consumption	29,786	12,261	17,525	560
Purchased	27,429	9,948	17,481	554
Self-Generated	2,357	2,313	44	6.20

Renewable Energy Procurement in Korea by Source: Korean Companies



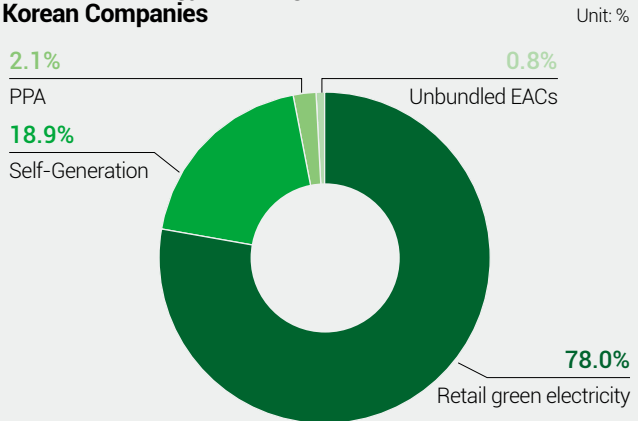
Renewable Energy Analysis by Source: Korean Companies

Unit: GWh

Category	Korean Companies(N:286)			Global companies' Korean sites (excl. Korean cos.) (N:735)
	Total	Domestic sites	Overseas sites	
Solar	11,774	8,639	3,135	336
RE Mix - Procurement ¹	7,101	1,389	5,711	134
Hydropower	6,776	1,747	5,029	39
Wind	3,497	84	3,413	41
RE Mix - Self-Generated ¹	302	302	-	-
Geothermal	175	0.47	174	-
Marine	99	99	-	-
Sustainable Biomass	63.7	1.28	62	11

1. Where technical separation is impossible, or electricity is procured from mixed renewable sources, it is entered as 'RE mix'.

Renewable Energy Sourcing Methods in Korea: Korean Companies



Renewable Energy Analysis by Sourcing Method

Unit: GWh

Sourcing Method	Korean Companies(N:286)			Global companies' Korean sites (excl. Korean cos.) (N:735)
	Total	Domestic sites	Overseas sites	
Total	29,786	12,261	17,525	560
Unbundled EACs	16,306	97	16,208	270
Retail green electricity	9,845	9,596	249	141
Self-Generation	2,357	2,313	44 ¹	6
PPA	1,115	256	860	144 ²
Default Electricity	164	-	164	-

1. Non-RE100 companies cannot isolate overseas self-generation; only distinguishable RE100 figures are shown.
2. Figures reported as PPA by global companies with operations in Korea; actual PPA contract status unverifiable

Electricity and Renewable Energy Use (RE100 Companies)

Electricity consumption – RE100 companies



Korea's 37 RE100 members are only 13% of respondents but account for 37% of electricity use, a dominant share. Their renewable share is 26%, more than double the average Korean respondents, yet falls to just 12.9% at domestic sites, 13.3%p below their overall rate. The gap between overseas sites (67.08%, 15,032 GWh) and domestic sites (12.90%, 8,864 GWh) reaches 54%p, so the renewable transition is heavily concentrated overseas. This makes Korea's electricity market structure the single biggest bottleneck to RE100 delivery.

Renewable energy use by source – RE100 companies



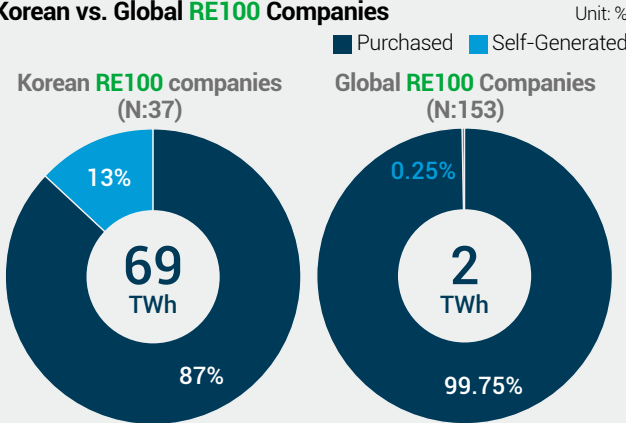
The renewable source mix of RE100 members closely mirrors that of all CDP respondents; though hydropower is relatively higher at 27% versus 23% among all Korean respondents, largely from K-water's self-generated hydropower. Among Korean RE100 companies, solar dominates domestically at 66% of renewable consumption. Meanwhile, the 153 non-Korean RE100 companies with Korean operations reach just 6%. That companies achieving RE100 globally face significant procurement challenges specifically in Korea confirms the barrier lies not in corporate will but in Korea's rigid electricity market structure.

Renewable energy use by procurement type – RE100 companies



Korean RE100 members' PPA share (2.94%) is below the domestic corporate average (3.74%). The domestic PPA share is only 1.51%, as domestic PPA supply cannot meet the enormous demand of companies such as semiconductor manufacturers. Samsung Electronics' domestic electricity use (25 TWh) is about 98 times the domestic PPA volume reported to CDP (0.256 TWh), so the market cannot meet even one large company's demand. Procurement is also imbalanced: 99.6% of REC purchases (14,260 GWh) occur overseas, while domestic REC procurement is a negligible 61 GWh (0.4%).

Electricity Consumption in Korea: Korean vs. Global RE100 Companies

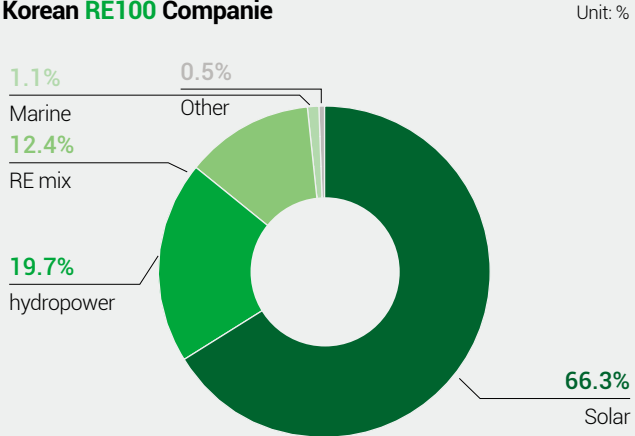


Detailed Analysis of Electricity Consumption in Korea: Korean vs. Global RE100 Companies

Unit: GWh

Category	Korean RE100 Companies (N:37)			Global RE100 Companies' Korean sites (excl. Korean cos.) (N:153)
	Total	Domestic sites	Overseas sites	
Total Electricity Consumption	91,133	68,722	22,411	2,426
Renewable Energy	Share(%)	26.22%	12.90%	67.08%
	Consumption	23,896	8,864	15,032
	Purchased	21,841	6,853	14,988
	Self-Generated	2,055	2,011	44

Renewable Energy Procurement in Korea by Source: Korean RE100 Company



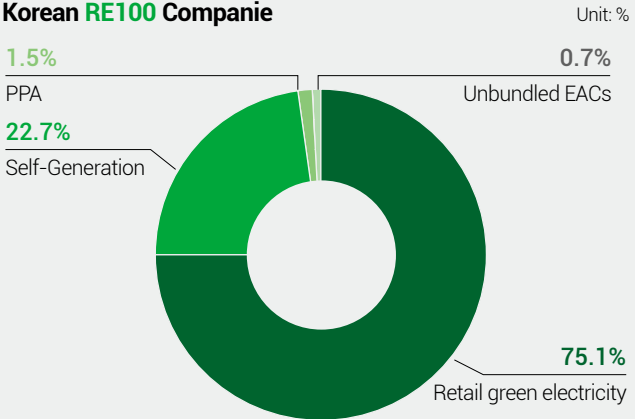
Renewable Energy Analysis by Source: Korean RE100 Company

Unit: GWh

Category	Korean RE100 Companies (N:37)			Global RE100 Companies' Korean sites (excl. Korean cos.) (N:153)
	Total	Domestic sites	Overseas sites	
Solar	8,585	5,876	2,709	84
Hydropower	6,545	1,747	4,798	9
RE Mix ¹	5,528	1,097	4,431	44
Wind	3,016	44	2,972	9
Marine	99	99	-	-
Sustainable Biomass	63	0.33	62	-
Geothermal	60	0.47	60	-

1. Where technical separation is impossible, or electricity is procured from mixed renewable sources, it is entered as 'RE mix'.

Renewable Energy Sourcing Methods in Korea: Korean RE100 Company



Renewable Energy Analysis by Sourcing Method: Korean RE100 Company

Unit: GWh

Sourcing Method	Korean RE100 Companies (N:37)			Global RE100 Companies' Korean sites (excl. Korean cos.) (N:153)
	Total	Domestic sites	Overseas sites	
Total	23,896	8,864	15,032	147
Unbundled EACs	14,260	61	14,199	108
Retail green electricity	6,814	6,658	156	31
Self-Generation	2,055	2,011	44	6
PPA	703	134	569	2
Default Electricity ¹	63	-	63	-

1. Includes a default claim not meeting RE100 technical criteria (SK Specialty: 63.4 GWh).

RE100 Target Implementation Status of Korean RE100 Companies



Korean RE100 Companies' Target Implementation Status

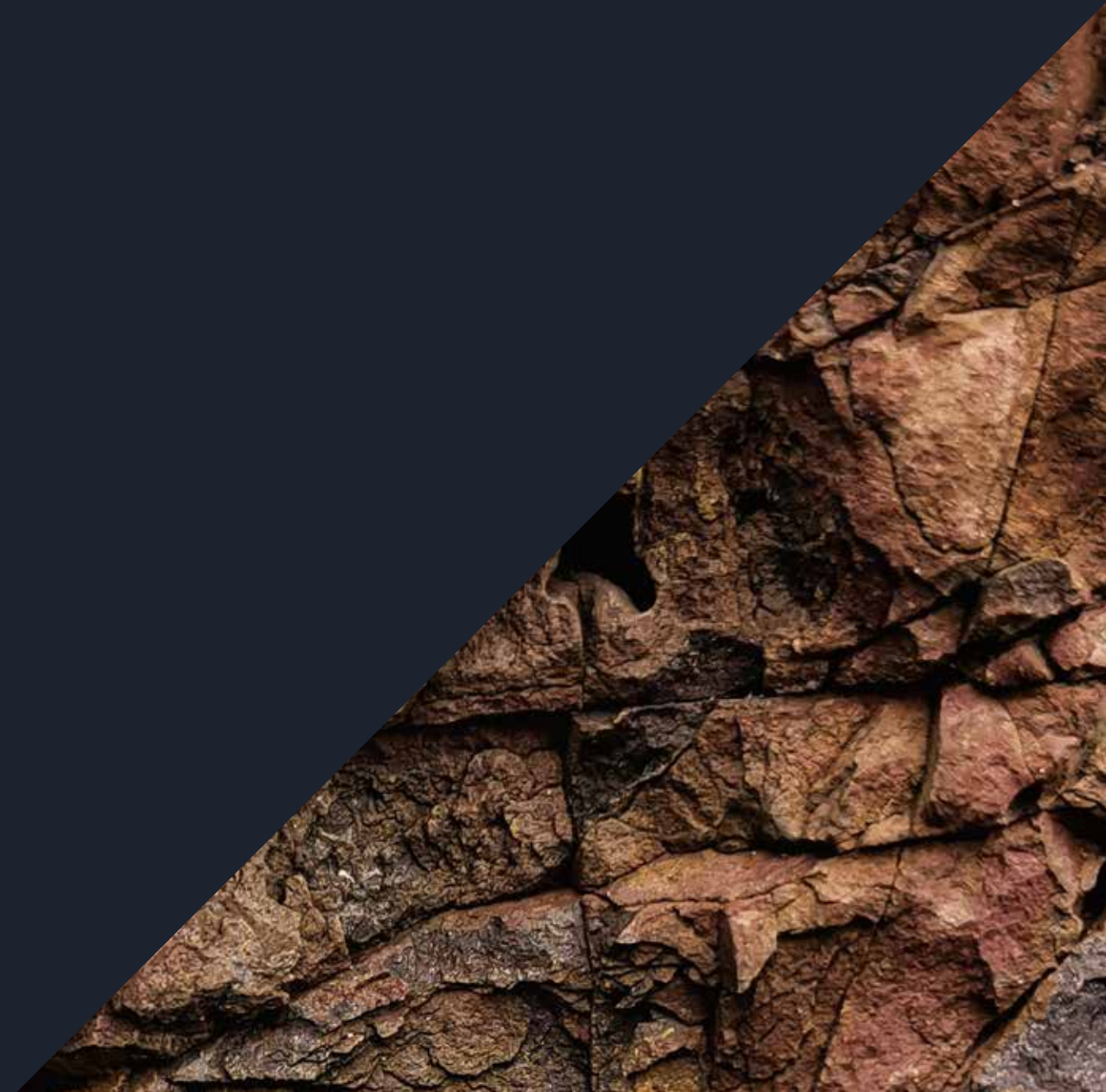
Company	RE100 Joining Date	Target Year	Electricity Consumption (GWh)				Renewable Energy Consumption (GWh)			RE Achievement Rate (Self-Reported) (%)		
			Total	Domestic	Overseas		Total	Domestic	Overseas	Total	Domestic	Overseas
Total			91,133	68,722	22,411		23,896	8,864	15,032	26%	13%	67%
1 SKC	2020/12	2040	480	480	-		-	-	-	0%	0%	Not applicable
2 SK specialty Co., Ltd.	2020/12	2050	574	505	69		63	-	63	11%	0%	92%
3 SK Siltron Co., Ltd.	2020/12	2040	858	858	-		215	215	-	25%	25%	Not applicable
4 SK Inc.	2020/12	2040	294	294	-		72	72	-	24%	24%	Not applicable
5 SK Telecom	2020/12	2050	2,337	2,337	-		237	237	-	10.2%	10.2%	Not applicable
6 SK hynix	2020/12	2050	11,161	8,625	2,536		3,779	1,242	2,536	34%	14%	100%
7 AmorePacific Corporation	2021/3	2025	87	79	8		61	53	7	70%	67%	96%
8 LG Energy Solution	2021/4	2030	3,712	730	2,982		2,086	171	1,915	56%	23%	64%
9 K-water	2021/4	2050	1,833	1,833	-		1,854	1,854	-	100%	100%	Not applicable
10 KB Financial Group	2021/9	2040	272	246	26		3	3	-	0.92%	1.02%	0%
11 SK ie Technology	2021/9	2030	278	111	167		158	44	114	57%	40%	68%
12 Korea Zinc Co Ltd	2021/9	2050	3,891	3,891	-		0.07	0.07	-	0%	0%	Not applicable
13 Mirae Asset Securities	2021/9	2025	44	43	0.4		22	22	-	50%	50%	0%
14 Lotte Chilsung Beverage Co., Ltd.	2021/12	2040	179	179	-		21	21	-	12%	12%	Not applicable
15 Incheon International Airport Corporation	2022/2	2040	416	416	-		29	29	-	6.99%	6.99%	Not applicable
16 Kia Corporation	2022/4	2040	1,825	1,030	795		215	5	211	12%	0.45%	26%
17 Hyundai Mobis Co Ltd	2022/4	2040	820	425	395		107	15	92	13%	3.57%	23%
18 HYUNDAI WIA CORPORATION	2022/4	2045	556	281	274		31	0.4	31	5.57%	0.14%	11%
19 Hyundai Motor Co	2022/4	2045	3,681	2,319	1,362		617	2	614	17%	0.10%	45%
20 KT Corporation	2022/6	2050	3,377	3,348	29		50	50	-	1.48%	1.49%	0%
21 LG Innotek	2022/7	2030	1,078	883	195		638	491	147	59%	56%	75%
22 Naver	2022/8	2040	290	285	5		14	14	-	4.96%	5.05%	0%
23 Samsung Electronics	2022/9	2050	32,084	25,111	6,973		10,061	3,302	6,759	31%	13%	97%
24 Samsung SDS	2022/9	2050	382	375	7		7	1	6	1.84%	0.37%	83%
25 Samsung SDI	2022/10	2050	2,893	1,115	1,779		1,065	46	1,019	37%	4.13%	57%
26 Samsung Display Co.,Ltd	2022/10	2050	7,226	6,115	1,111		1,874	768	1,106	26%	13%	100%
27 Samsung Biologics Co Ltd	2022/11	2050	362	362	0		101	101	-	28%	28%	0%
28 Samsung Electro-Mechanics Co., Ltd.	2022/11	2050	2,343	895	1,449		240	-	240	10.2%	0%	17%
29 Samsung Life Insurance	2023/3	2040	63	63	-		6	6	-	10.1%	10.1%	Not applicable
30 Samsung Fire & Marine Insurance	2023/3	2040	65	65	-		5	5	-	7.75%	7.75%	Not applicable
31 LOTTE WELLFOOD CO.,LTD.	2023/4	2040	310	310	-		4	4	-	1.33%	1.33%	Not applicable
32 Shinhan Financial Group	2023/5	2040	229	229	-		56	56	-	24%	24%	Not applicable
33 KAKAO CORP	2023/5	2040	229	229	-		11	11	-	4.75%	4.75%	Not applicable
34 LG Electronics	2023/6	2050	1,300	489	811		161	4	157	12%	0.83%	19%
35 Lotte Chemical Corp	2023/7	2050	5,210	3,851	1,359		9	8	1	0.17%	0.20%	0%
36 HD Hyundai XiteSolution Co., Ltd.	2023/11	2040	242	189	53		16	3	13	6.56%	1.33%	25%
37 LS Electric Co Ltd	2023/12	2040	151	126	25		8	7	1	5.19%	5.51%	4%

Not applicable: responded 'No overseas site electricity consumption'



Plastics & Biodiversity

3



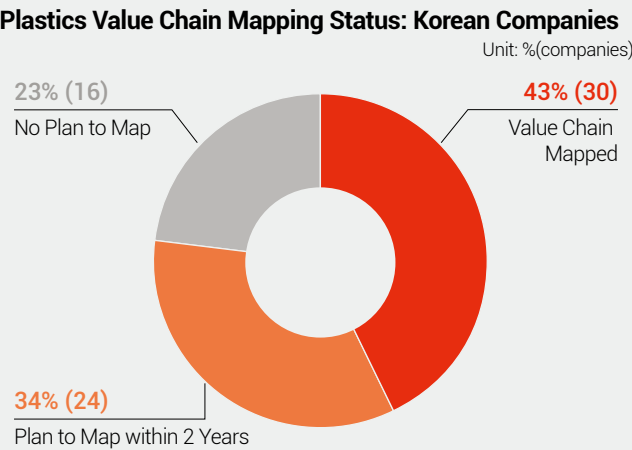
Plastics value-chain mapping



Plastics-related business activities



Plastics-related targets



Company Distribution by Plastics Value Chain Stage (Multiple Choices)

Category	Korea (N:30)		Global (N:1,213)		Japan (N: 174)	
	No. of companies	Share(%)	No. of companies	Share(%)	No. of companies	Share(%)
Upstream	20	67%	774	64%	117	67%
Downstream	15	50%	624	51%	90	52%
End-of-life management	11	37%	551	45%	79	45%
Direct operations	6	20%	320	26%	44	25%

Reporting Companies by Plastics-Related Activity Type (Multiple Choices)

Category	Korea (N:72)		Global (N:2,702)		Japan (N:421)	
	No. of companies	Share(%)	No. of companies	Share(%)	No. of companies	Share(%)
Production/commercialization of plastic polymers (including plastic converters)	6	8%	249	9%	37	9%
Production/commercialization of durable plastic goods and/or components (including mixed materials)	14	19%	558	21%	105	25%
Usage of durable plastics goods and/or components (including mixed materials)	22	31%	1,021	38%	160	38%
Production/commercialization of plastic packaging	4	6%	293	11%	54	13%
Production/commercialization of goods/products packaged in plastics	18	25%	1,167	43%	206	49%
Provision/commercialization of services that use plastic packaging (e.g., food services)	4	6%	417	15%	82	19%
Provision of waste management and/or water management services	14	19%	451	17%	52	12%

Companies with Plastics-Related Targets by Target Type (Multiple Choices)

Target type	Korea (N=72)		Global (N=2,726)		Japan (N=422)	
	Companies	Share (%)	Companies	Share (%)	Companies	Share (%)
Increase the proportion of post-consumer recycled content in plastic polymers produced and/or sold	8	11%	222	8%	14	3%
Reduce the total weight of plastic packaging used and/or produced	7	10%	426	16%	50	12%
Reduce the total weight of virgin content in plastic polymers produced and/or sold	6	8%	199	7%	18	4%
Increase the proportion of post-consumer recycled content in plastic goods/products	5	7%	173	6%	23	5%
Ensure compliance with EPR policies and schemes	5	7%	226	8%	7	2%
Increase the proportion of post-consumer recycled content in plastic packaging	4	6%	327	12%	33	8%
Increase the proportion of recyclable plastic waste that is collected, sorted, and recycled	4	6%	249	9%	23	5%



Production / sale of polymers



Share of renewable-material-based polymer production.

Of the 6 companies reporting polymer production or sale, 4 disclosed detailed data. Korea's renewable-material-based polymer share is 1%, 2%p below the global 3% and equal to Japan, so the feedstock transition in the East Asian chemical industry is still early. Fossil-based materials make up an overwhelming 99% of total polymer weight (about 3.12 million tonnes). Renewable materials are just 1% (34,000 tonnes), while recycled content is 0.05% post-consumer recycled (PCR) and 0% pre-consumer recycled (PIR). The sector has yet to move away from a fossil-feedstock-dominated structure.

Sale / use of durable plastic products



Share of renewable materials in durable plastics.

Korea's renewable-material share in durable plastic products is 27% – the only area where it exceeds the global 26% and Japan (14%). The share is high at both the sale (33%) and use (27%) stages, far above packaging (3%), so durable-goods makers are more proactive in shifting to bio-based materials. Fossil-based materials still hold around 40%, but pre-consumer recycled content reaches 16–17%, showing feedstock diversification. Post-consumer recycled materials, however, remain at 1% for sale and 10% for use, higher use at the use stage.

Sale / use of plastic packaging



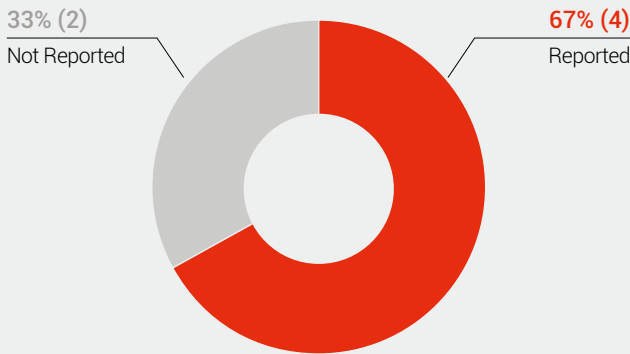
Share of renewable materials in plastic packaging.

Korea's renewable-material share in plastic packaging is 39%, an outlier far above the global 1% and Japan (10%). This reflects a few large companies adopting bio-based packaging, with diffusion across the wider corporate base still limited. Substitution with renewable materials is active, but use of pre- and post-consumer recycled materials is close to 0%, a highly skewed structure. Substitution is occurring through specific instruments, but a genuine resource-circulation system including recycling is still underdeveloped.



Detailed Data Reporting Rate among Plastic Polymer Producers/Sellers

Unit: %(companies)



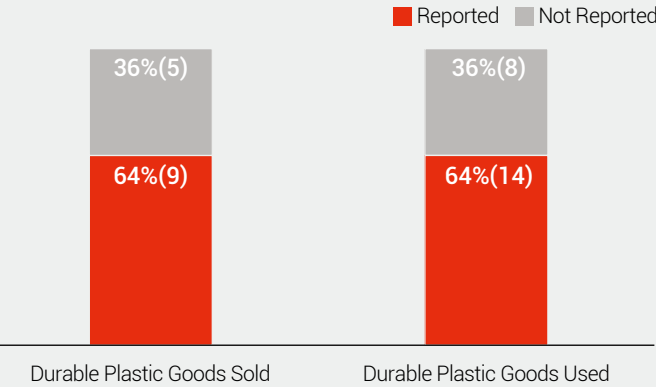
Total Weight and Raw Material Content of Plastic Polymers Sold (N:4)

Unit: Metric tons

Category	Weight	Share (%)
Total Weight	3,123,845	
Virgin Fossil-Based content	3,088,385	99%
Virgin Renewable Content	34,000	1%
Pre-Consumer Recycled Content	-	0%
Post-Consumer Recycled Content	1,459	0.05%

Detailed Data Reporting Rate among Durable Plastic Goods Sellers/Users

Unit: %(companies)



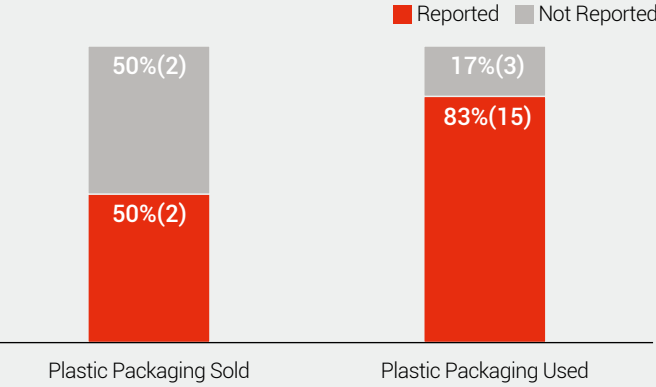
Total Weight and Raw Material Content of Durable Plastic Goods

Unit: Metric tons

Category	Sold (N:9)		Used (N:14)	
	Weight	Share (%)	Weight	Share (%)
Total Weight	217,368		167,831	
Virgin Fossil-Based content	106,511	49%	79,609	47%
Virgin Renewable Content	70,648	33%	45,244	27%
Pre-Consumer Recycled Content	37,971	17%	26,741	16%
Post-Consumer Recycled Content	2,238	1%	16,238	10%

Actual Data Reporting Rate among Plastic Packaging Sellers/Users

Unit: %(companies)



Total Weight and Raw Material Content of Plastic Packaging

Unit: Metric tons

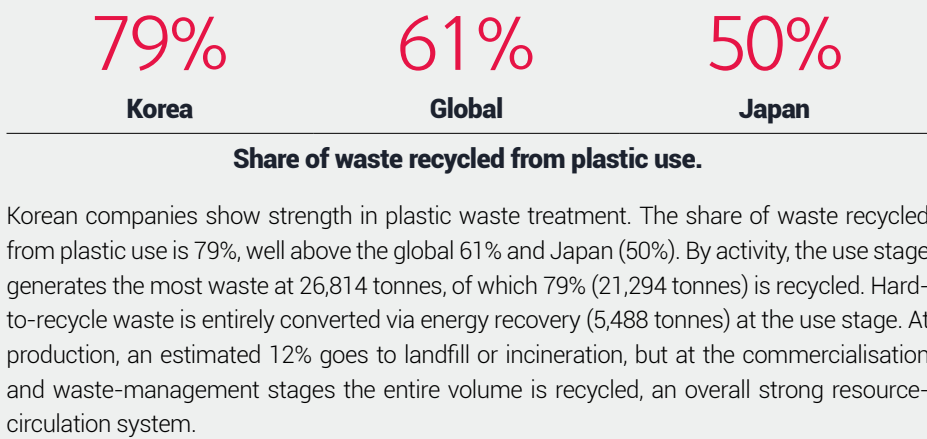
Category	Sold (N:2)		Used (N:15)	
	Weight	Share (%)	Weight	Share (%)
Total Weight	79,059		80,644	
Virgin Fossil-Based content	76,801	97%	48,962	61%
Virgin Renewable Content	2,258	3%	31,682	39%
Pre-Consumer Recycled Content	-	0%	1	0.001%
Post-Consumer Recycled Content	-	0%	-	0%

Circularity of plastic packaging



Share of recyclable plastic packaging used.

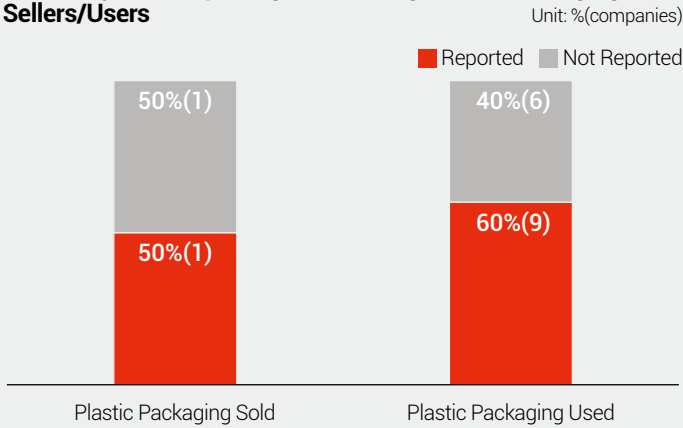
Plastic waste treatment



Share of waste recycled from plastic use.



Circularity Data Reporting Rate among Plastic Packaging Sellers/Users



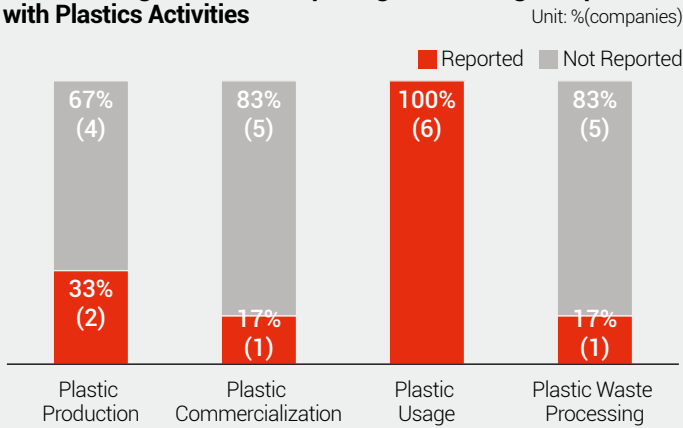
Plastic Packaging SoldPlastic Packaging Used

Weight of Plastic Packaging by Circularity Potential

Unit: Metric tons

Category	Sold (N:1)		Used (N:9)	
	Weight	Share (%)	Weight	Share (%)
Total Weight	76,801		69,003	
Reusable Plastic Packaging	-	0%	2,120	3%
Technically Recyclable Plastic Packaging	76,801	100%	60,247	87%
Recyclable in Practice Plastic Packaging	-	0%	6,636	10%

Waste Management Data Reporting Rate among Companies with Plastics Activities



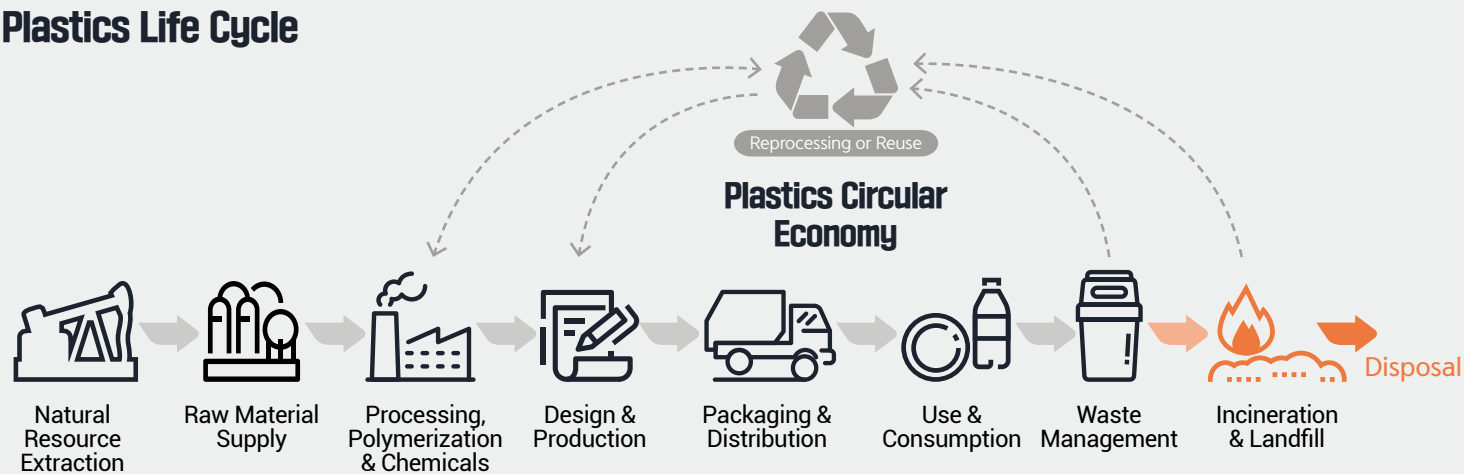
Plastic ProductionPlastic CommercializationPlastic UsagePlastic Waste Processing

Weight of Plastic Waste by End-of-Life Management Pathway: Korean Companies

Unit: Metric tons

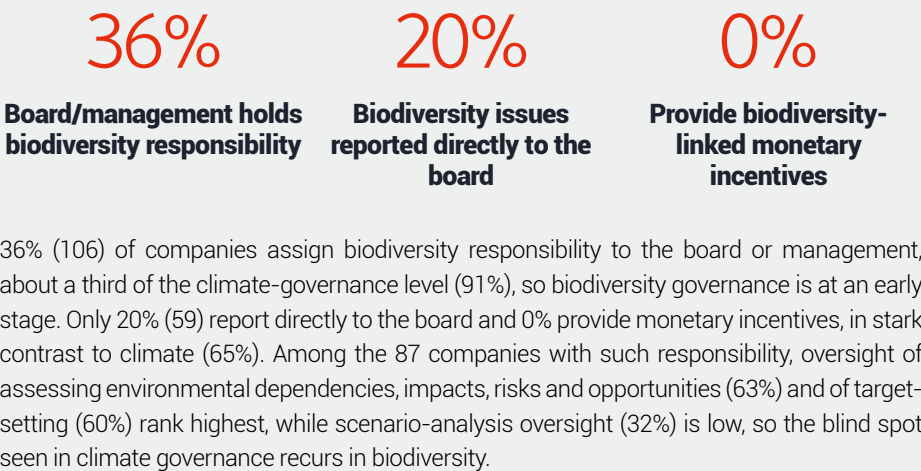
Activity	Plastic Production (N:2)	Plastic Commercialization (1)	Plastic Usage (6)	Plastic Waste Processing (1)
Total Waste Generated	2,009	1,771	26,814	246
Prepared for Reuse	-	-	31	-
Recycling	1,771	1,771	21,294	246
Waste to Energy	-	-	5,488	-
Other	238	-	-	-

Plastics Life Cycle

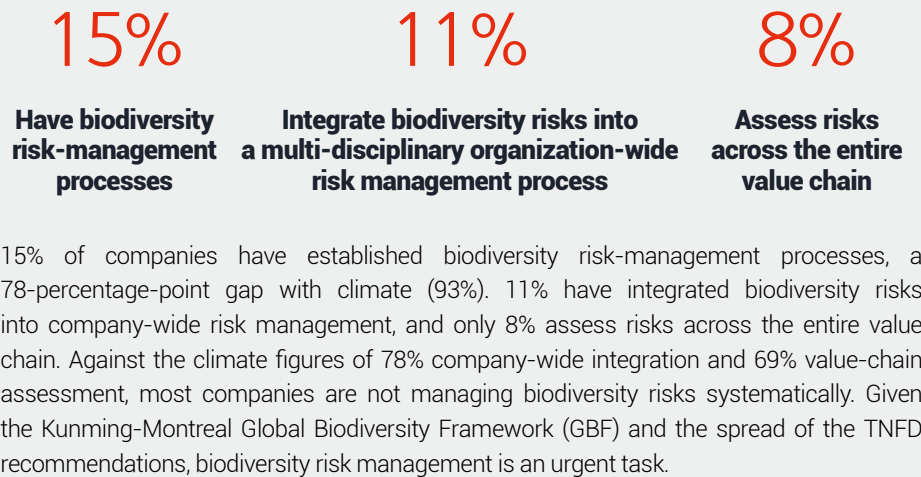




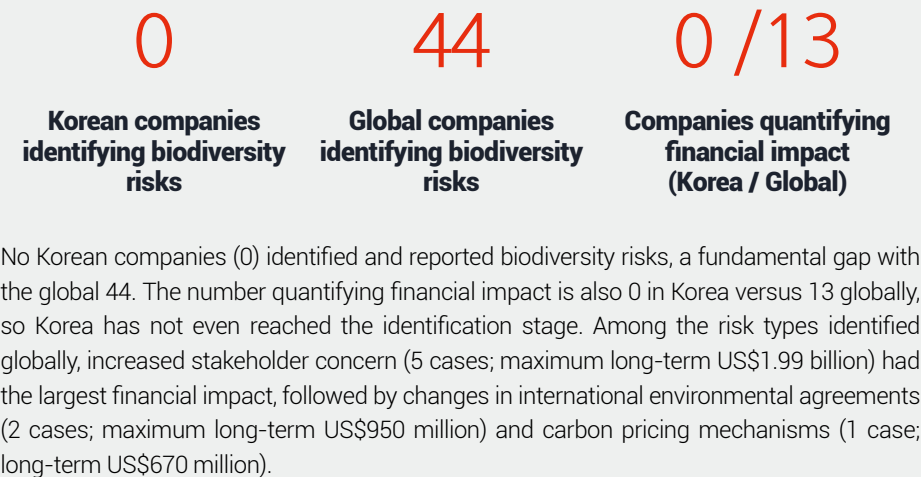
Board-level oversight of biodiversity



Biodiversity risk-management processes



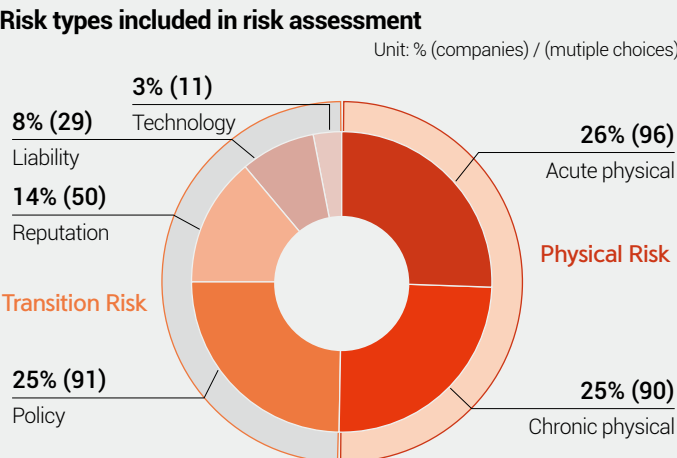
Biodiversity risks



Scope of the board's biodiversity-related management and oversight

(N:87, multiple choices)

Board biodiversity-related management and oversight item	Com-panies	Share (%)
Reviewing and guiding the assessment process for DIRO	55	63%
Overseeing the setting of corporate targets	52	60%
Monitoring progress towards corporate targets	49	56%
Approving corporate policies and/or commitments	44	51%
Overseeing and guiding business strategy development	36	41%
Monitoring business strategy implementation	34	39%
Monitoring compliance with corporate policies/commitments	33	38%



Detailed biodiversity-related risk type

(multiple choices)

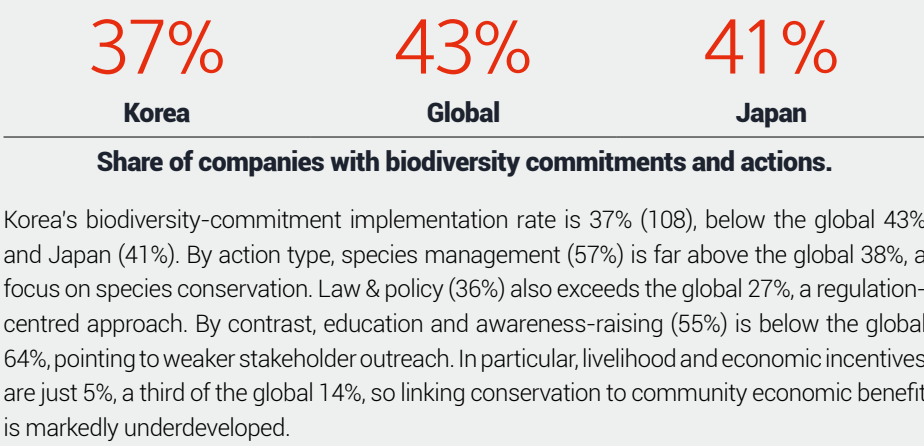
Risk types	Risk types and criteria considered	companies
Physical	Water stress	23
Transition	Changes to national legislation	20
Transition	Negative press coverage of projects/activities with negative environmental impact	18
Transition	Non-compliance with regulations	18
Transition	Changing customer behavior	17
Physical	Flood (coastal, fluvial, pluvial, ground water)	16
Transition	Increased partner/stakeholder concern and negative feedback	15
Physical	Changing temperature (air, freshwater, marine water)	14

Financial effect by global biodiversity-related risk type

Unit: USD / multiple choices

Biodiversity-related Risk type	Com-panies	Quantifying Financial Effect	Report year	Average Financial Effect					
				(Est.) short-term		(Est.) medium-term		(Est.) long-term	
				Min	Max	Min	Max	Min	Max
(Transition) Increased partner and stakeholder concern or negative feedback	5	3	-	477,670,825	1,910,683,300	477,670,825	1,910,683,300	537,670,825	1,990,683,300
(Transition) Changes to international law and bilateral agreements	2	1	-	477,670,825	955,351,500	-	955,351,500	-	955,351,500
(Transition) Carbon pricing mechanisms	1	1	-	-	-	-	-	674,160,000	674,160,000
(Transition) Changes to national legislation	2	1	-	477,670,825	1,910,683,300	0	955,341,650	0	477,670,825
(Transition) Increased stakeholder concern/negative feedback	2	1	-	-	-	-	-	30,000,000	40,000,000

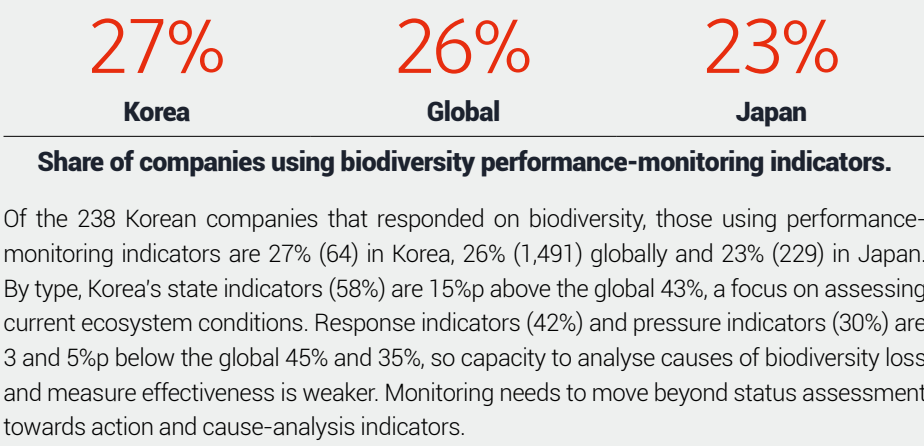
Biodiversity response activities



Share of companies with biodiversity commitments and actions.

Korea's biodiversity-commitment implementation rate is 37% (108), below the global 43% and Japan (41%). By action type, species management (57%) is far above the global 38%, a focus on species conservation. Law & policy (36%) also exceeds the global 27%, a regulation-centred approach. By contrast, education and awareness-raising (55%) is below the global 64%, pointing to weaker stakeholder outreach. In particular, livelihood and economic incentives are just 5%, a third of the global 14%, so linking conservation to community economic benefit is markedly underdeveloped.

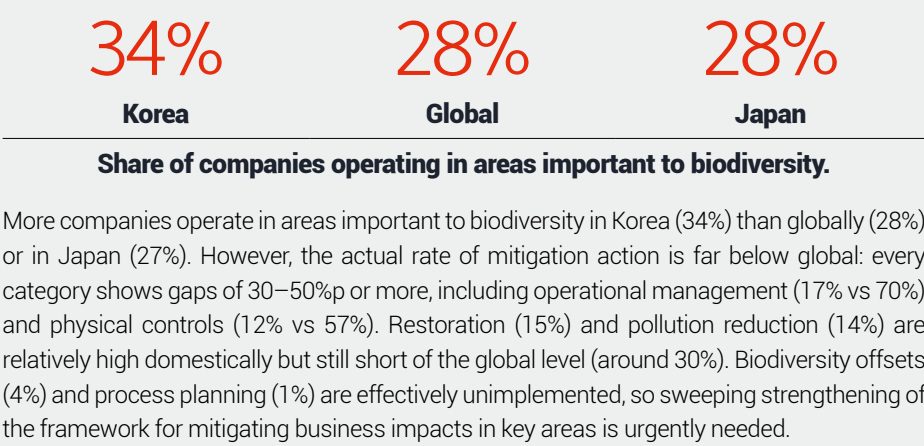
Performance monitoring indicators



Share of companies using biodiversity performance-monitoring indicators.

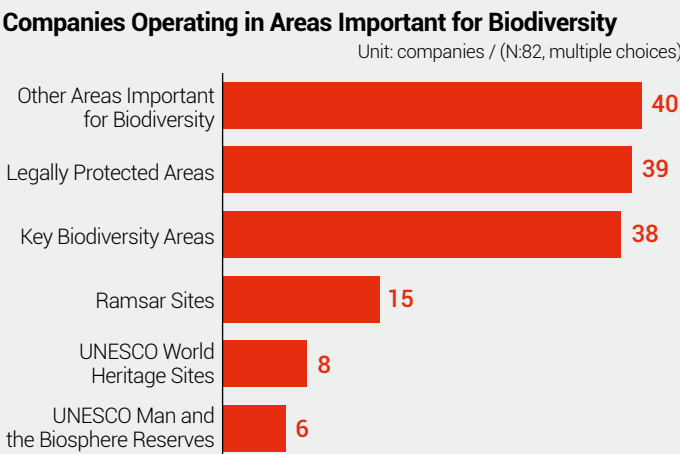
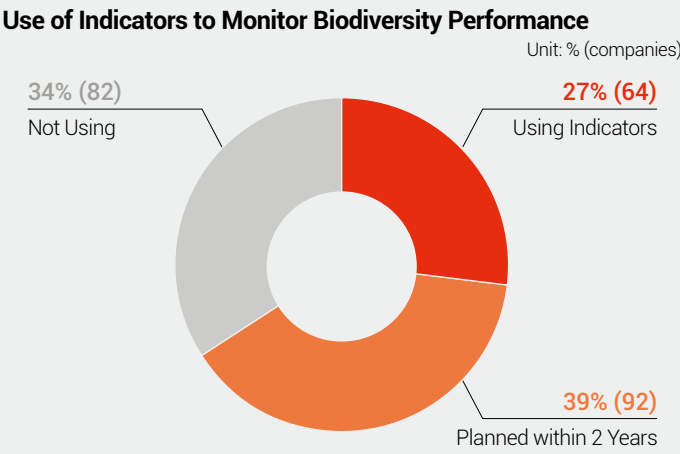
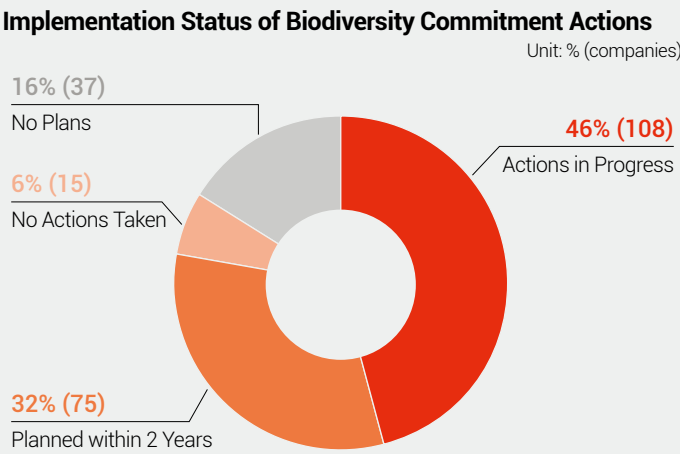
Of the 238 Korean companies that responded on biodiversity, those using performance-monitoring indicators are 27% (64) in Korea, 26% (1,491) globally and 23% (229) in Japan. By type, Korea's state indicators (58%) are 15%p above the global 43%, a focus on assessing current ecosystem conditions. Response indicators (42%) and pressure indicators (30%) are 3 and 5%p below the global 45% and 35%, so capacity to analyse causes of biodiversity loss and measure effectiveness is weaker. Monitoring needs to move beyond status assessment towards action and cause-analysis indicators.

Areas important to biodiversity



Share of companies operating in areas important to biodiversity.

More companies operate in areas important to biodiversity in Korea (34%) than globally (28%) or in Japan (27%). However, the actual rate of mitigation action is far below global: every category shows gaps of 30–50%p or more, including operational management (17% vs 70%) and physical controls (12% vs 57%). Restoration (15%) and pollution reduction (14%) are relatively high domestically but still short of the global level (around 30%). Biodiversity offsets (4%) and process planning (1%) are effectively unimplemented, so sweeping strengthening of the framework for mitigating business impacts in key areas is urgently needed.



Types of Actions Taken to Progress Biodiversity Commitments

(Multiple choices)

Activity type	Korea (N:108)		Global (N:2,862)	
	No. of Companies	Share (%)	No. of Companies	Share (%)
Species Management	62	57%	1,097	38%
Education and Awareness	59	55%	1,830	64%
Land and Water Management	53	49%	1,541	54%
Land and Water Protection	45	42%	1,462	51%
Law and Policy	39	36%	773	27%
Livelihood and Economic Incentives	5	5%	397	14%

Types of Indicators Used to Monitor Biodiversity Performance

(Multiple choices)

Indicator Type	Korea (N:64)		Global (N:1,491)	
	No. of Companies	Share (%)	No. of Companies	Share (%)
State Indicators	37	58%	642	43%
Response Indicators	27	42%	676	45%
Pressure Indicators	19	30%	519	35%

Types of Mitigation Measures Implemented in Biodiversity-Important Areas

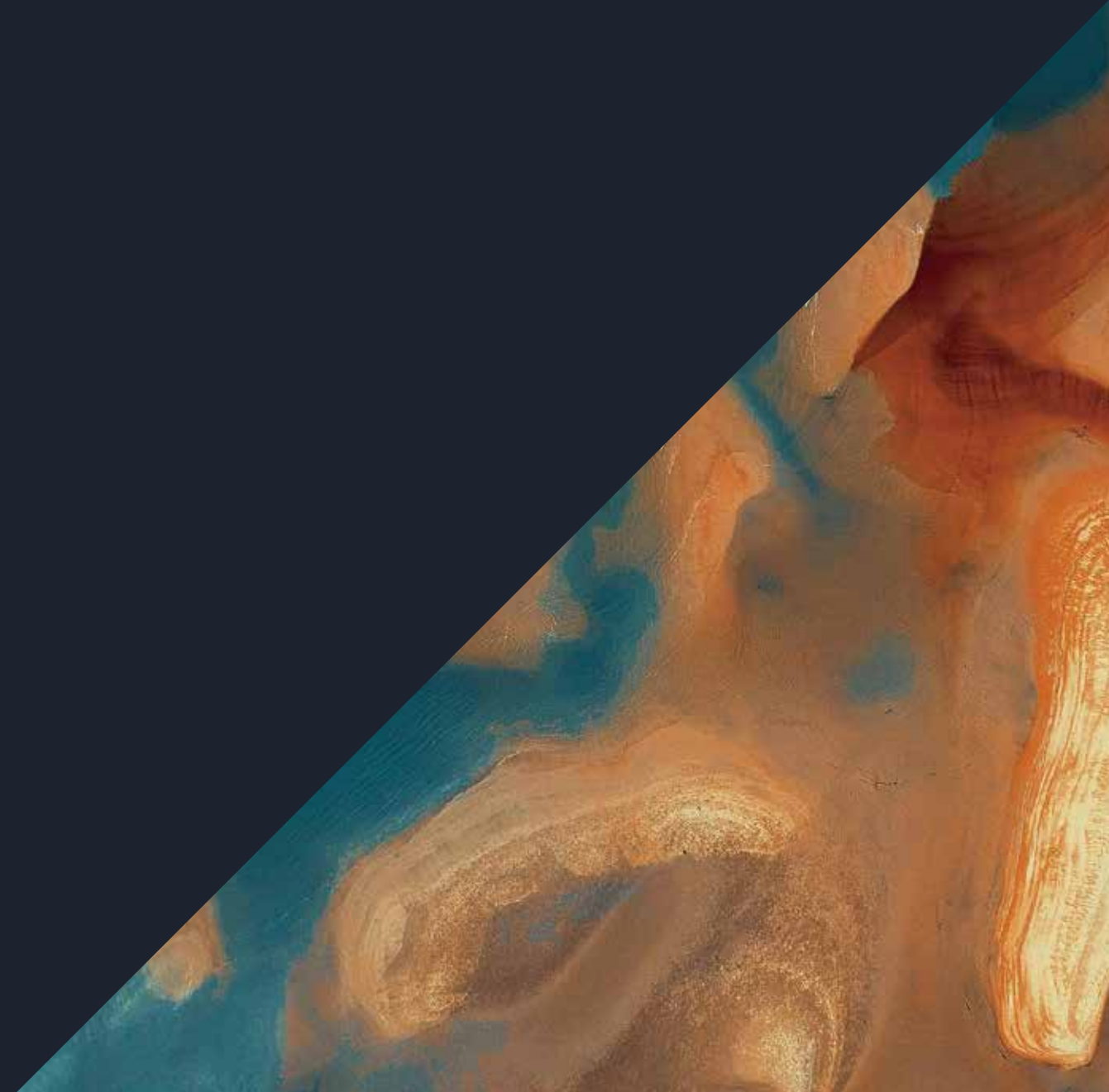
(Multiple choices)

Mitigation Measures	Korea (N: 81)		Global (N:2,739)	
	No. of Companies	Share (%)	No. of Companies	Share (%)
Operational controls	14	17%	1,906	70%
Restoration	12	15%	949	35%
Abatement controls	11	14%	913	33%
Physical controls	10	12%	1,562	57%
Project design	9	11%	1,168	43%
Site selection	5	6%	720	26%
Biodiversity offsets	3	4%	485	18%

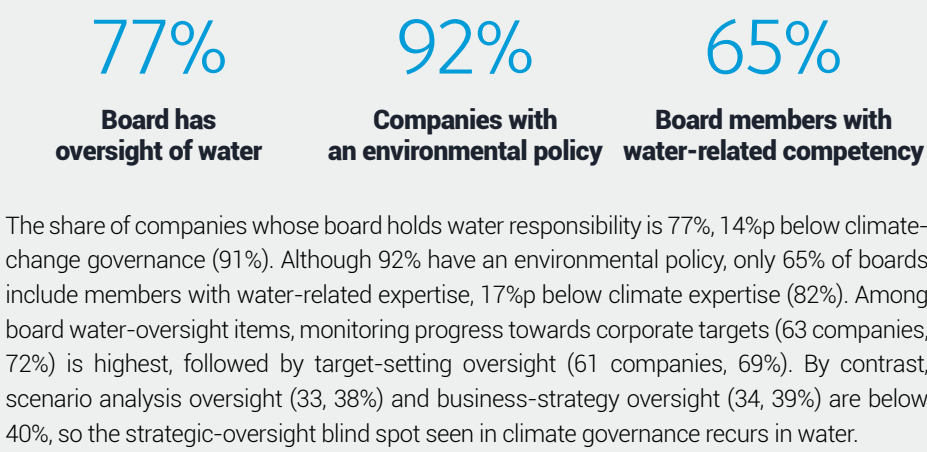


Water Security

4



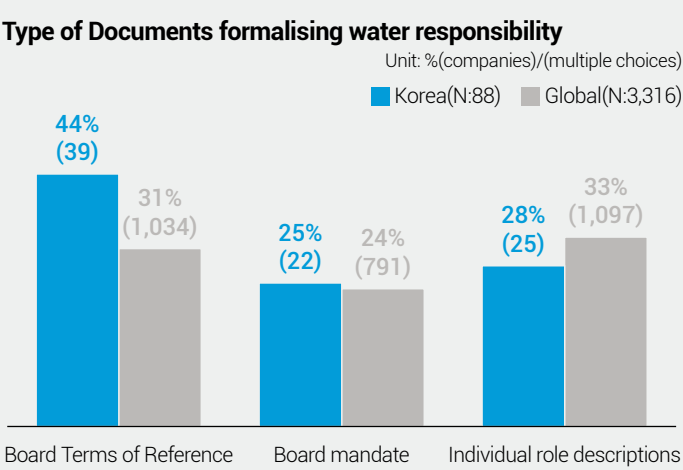
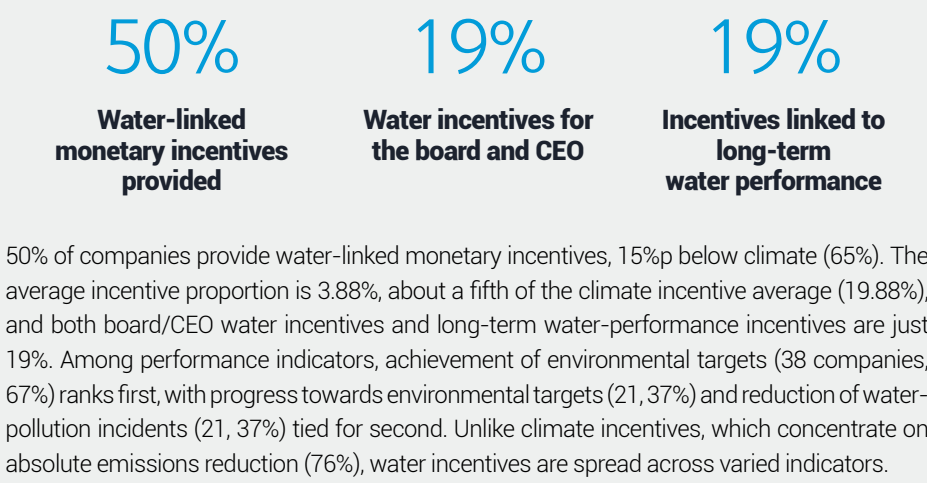
Board-level oversight of water



Management-level water responsibility



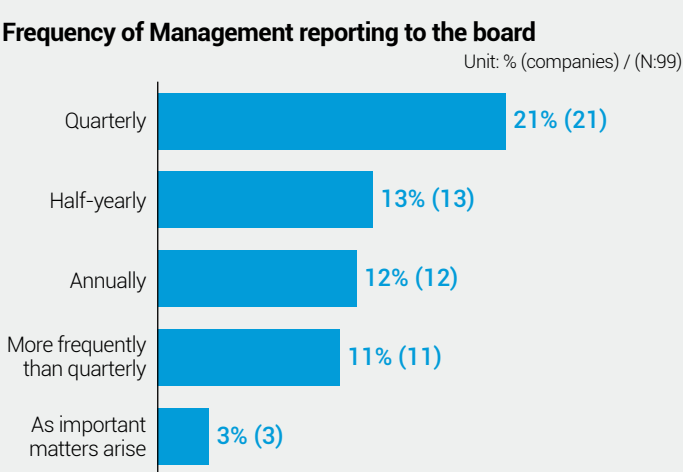
Board and management monetary incentives



Scope of the board's water-related management and oversight

(N:88, multiple choices)

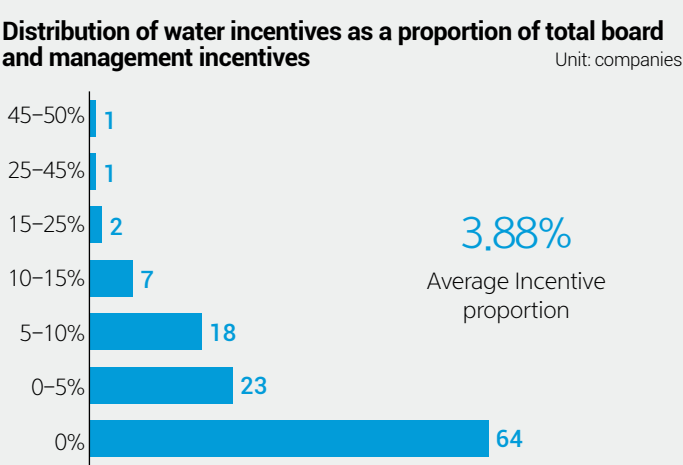
Board water-related management and oversight item	Com-panies	Share (%)
Monitoring progress towards corporate targets	63	72%
Overseeing the setting of corporate targets	61	69%
Reviewing and guiding the assessment process for DIRO	53	60%
Approving and/or overseeing employee incentives	44	50%
Overseeing and guiding major capital expenditures	44	50%
Approving corporate policies and/or commitments	38	43%
Monitoring the implementation of the business strategy	38	43%



Scope of the management's water-related management and oversight

(N:99, multiple choices)

Management water-related management and oversight item	Com-panies	Share (%)
Assessing environmental DIRO	66	67%
Setting corporate environmental targets	66	67%
Measuring progress towards environmental corporate targets	53	54%
Managing environmental DIRO	48	48%
Providing employee incentives related to environmental performance	47	47%
Monitoring compliance with corporate environmental policies and/or commitments	44	44%
Setting corporate environmental policies and/or commitments	41	41%
Implementing the business strategy related to environmental issues	40	40%



Performance indicators used to assess water incentives

(N:57, multiple choices)

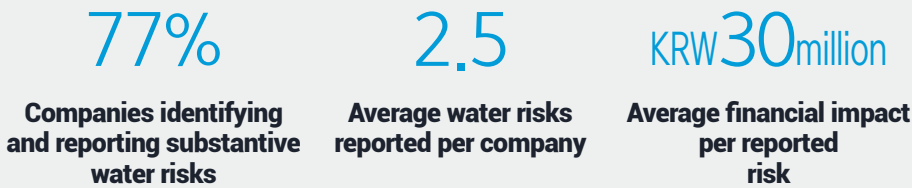
Water incentive performance indicator	Com-panies	Share (%)
Achievement of environmental targets	38	67%
Progress towards environmental targets	21	37%
Reduction of water pollution incidents	21	37%
Reduction/elimination of environmental incidents/notices of violation	16	28%
Reduction or phase out of hazardous substances	15	26%
Strategy and financial planning	14	25%
Employee awareness campaign or training on environmental issues	11	19%
Performance against an environmental sustainability index	9	16%

Water risk-management processes



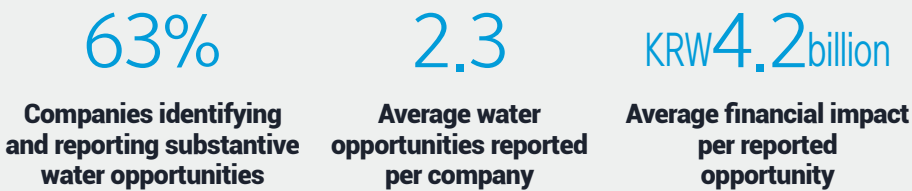
66% of respondents have water risk-management processes, 27%p below climate (93%). 49% have integrated water risks into a multi-disciplinary organization-wide process, 29 points below climate (78%), and only 37% assess water risks across the entire value chain, half the climate level (69%). Water risk management is generally less mature than climate, with the largest gaps in value-chain coverage and company-wide integration. Raising it to the level of the climate framework is a key task for Korean companies.

Substantive water risks



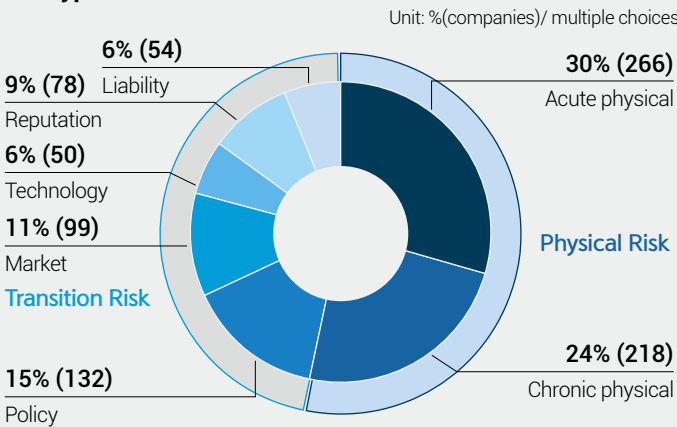
77% of respondents identified and reported substantive water risks, 88 in total (an average of 2.5 per company). Both the identification rate and the number reported are below climate risks (93%, 642 risks), so awareness of water risks is at an earlier stage. The average financial impact per reported risk is KRW 30 million, a tiny fraction of climate risks (KRW 11.4 billion), suggesting water risks financial impact is not yet sufficiently quantified. Among physical risk types, flooding (51) and water stress (48) are high, while among transition risks, changes to domestic legislation (43) is highest.

Substantive water opportunities



63% (73) of respondents identified substantive water opportunities, 165 in total (an average of 2.3 per company). The identification rate is 27%p below climate opportunities (90%, 440), but the average financial impact per opportunity is KRW 4.2 billion, 140 times that of water risks (KRW 30 million). By type, reduced water use/consumption (27) is most common, followed by recycling use (12) and cost savings (11). Recycling use is largest at a long-term maximum of KRW 2.7226 trillion, while new product/service development through R&D (3) holds a medium-term maximum of KRW 121.5 billion.

Risk types included in risk assessment



Detailed water-related risk type

(multiple choices)

Risk types	Risk types and criteria considered	companies
Physical	Flood (coastal, fluvial, pluvial, ground water)	51
Physical	Water stress	48
Transition	Changes to national legislation	43
Physical	Drought	39
Transition	Changing customer behavior	39
Physical	Heavy precipitation (rain, hail, snow/ice)	38
Transition	Non-compliance with regulations	35
Physical	Heat waves	33

Financial effect by water-related risk type

Unit: KRW 100m / multiple choices

Water-related Risk type	Companies	Companies quantifying financial effect	Reporting year	Average Financial Effect					
				(Est.) short-term		(Est.) medium-term		(Est.) long-term	
				Min	Max	Min	Max	Min	Max
(Physical) Water stress	20	14	-	23	28	351	9,789	105	1,039
(Physical) Drought	12	10	-	94	241	3,024	5,797	7,812	9,208
(Transition) Non-compliance with legislation	10	7	-	3.4	1,748	8,382	13,857	0.33	0.36
(Physical) Flooding (coastal, fluvial, pluvial, groundwater)	10	6	-	25	76	42	129	97	283
(Transition) Increased pricing of water	6	5	-	105	142	130	320	332	572
(Transition) Changes to national legislation	5	3	-	0.60	1.05	32	32	0.10	0.50

Financial effect by water-related opportunity type

Unit: KRW 100m / multiple choices

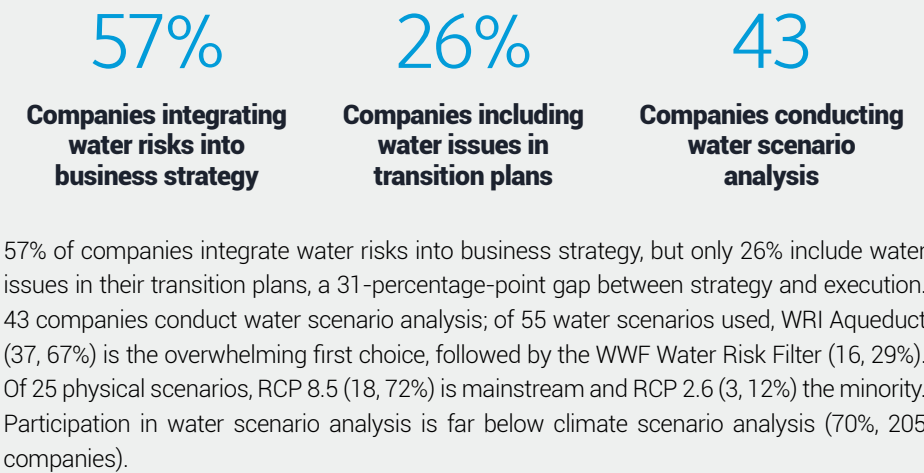
Water-related Opportunity type	Companies	Companies quantifying financial effect	Reporting year	Average Financial Effect					
				(Est.) short-term		(Est.) medium-term		(Est.) long-term	
				Min	Max	Min	Max	Min	Max
Reduced water usage and consumption	27	18	2,366	112	114	238	241	43	45
Use of recycling	12	10	1.38	1,655	2,753	3,360	5,572	6,822	27,226
Cost savings	11	10	24	290	322	853	1,032	2,972	3,723
Water recovery from sewage treatment	4	4	7.95	4.63	97	285	331	-	-
Development of new products or services through R&D and innovation	3	3	0.13	111	131	834	1,215	168	168
Increased sales of existing products and services	3	2	4,452	-	166	-	-	-	-



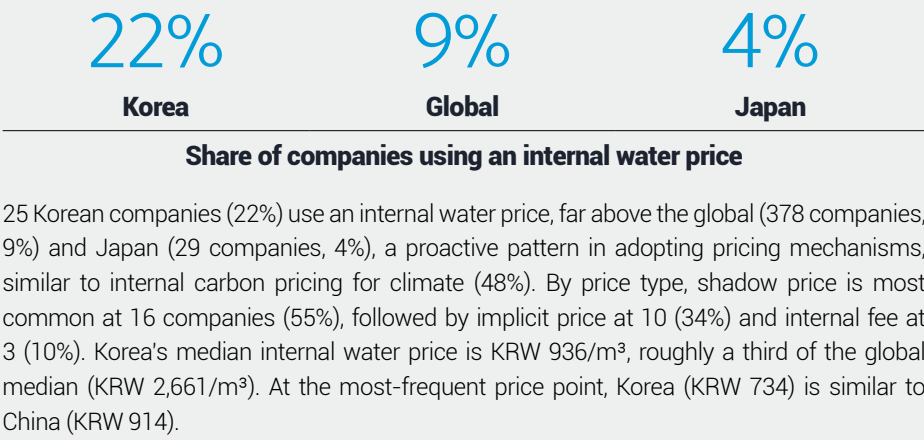
Water-related regulatory violations and investment



Transition plans and scenario analysis



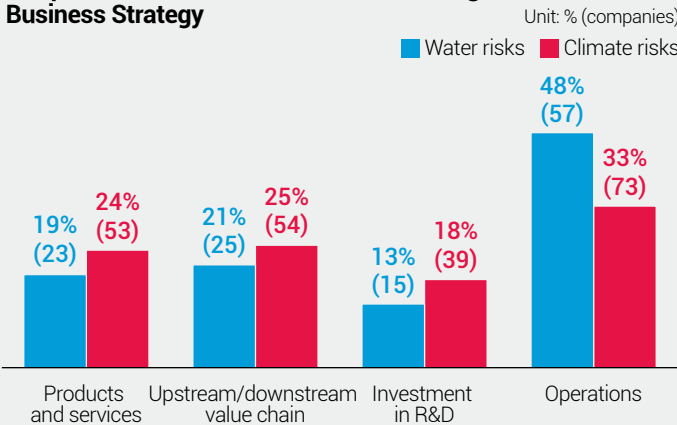
Internal water price



Water-Related CAPEX/OPEX Growth Rate

Category		Korea		Global		Japan	
		No. of Companies	Avg. Rate (%)	No. of Companies	Avg. Rate (%)	No. of Companies	Avg. Rate (%)
CAPEX	Year-on-Year Growth Rate	36	94.98	1242	55.77	184	110.40
	Expected Avg. Annual Change Rate over Next 5 Years	53	51.99	1364	73.69	178	132.75
OPEX	Year-on-Year Growth Rate	49	6.16	1425	21.74	197	28.83
	Expected Avg. Annual Change Rate over Next 5 Years	52	3.14	1416	14.66	169	20.14

Comparison of Water and Climate Risk Integration Rates into Business Strategy



Types of Scenario Analysis Used

Scenarios Used	No. of Companies	Share (%)
Water Scenario	55	
WRI Aqueduct	37	67%
WWF Water Risk Filter	16	29%
Other	2	4%
Physical Scenario	25	
RCP 8.5	18	72%
RCP 2.6	3	12%
Other	4	16%

Types of Internal Water Pricing

Unit: KRW/m³

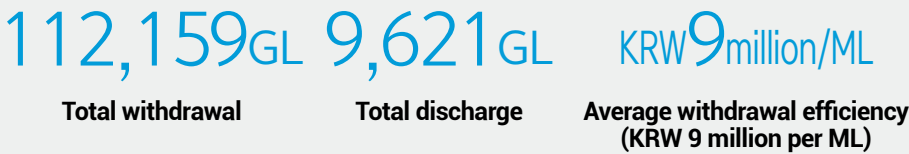
Category	Shadow Price	Implicit price	Internal fee
No. of Companies	16	10	3
Share (%)	55%	34%	10%
Avg. Minimum	1,346	1,174	500
Avg. Maximum	2,439	1,379	820
Avg. Mean	1,893	1,277	660

Internal water price (shadow price) by country

Unit: KRW/m³
Exchange rate: KRW 1,427.5

Country	Average internal water price			Most-frequent price point
	Min	Max	Median	
Korea	148	6,501	936	734
Global	0.07	176,079,270	2,661	132
Japan	54	311,436	2,057	54
China	19	7,580	787	914
USA	57	176,079,270	1,398	57
EU	49	142,750,000	730,898	1,381

Withdrawal and discharge

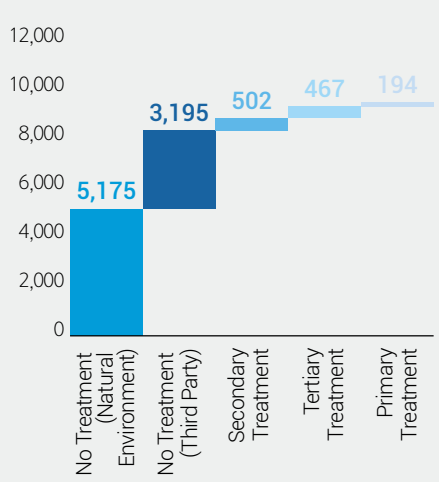


For 2024, total withdrawal by Korean respondents is 112,159 GL and total discharge 9,621 GL. Excluding unclassified withdrawal-source data, third-party sources account for an overwhelming 93% share, followed by brackish water/seawater at 6% and fresh surface water at 1%. By destination: brackish water/seawater (5,273 GL, 55%), third-party (3,871 GL, 40%) and fresh surface water (467 GL, 5%). By industry, Materials (103,483 GL) is 92%, followed by Utilities (5,195 GL), Consumer Discretionary (1,417 GL) and IT (1,141 GL). Untreated discharge is largest (5,175 GL, 54%), mostly Utilities' cooling water, while tertiary (467 GL) and secondary (502 GL) treatment expand.

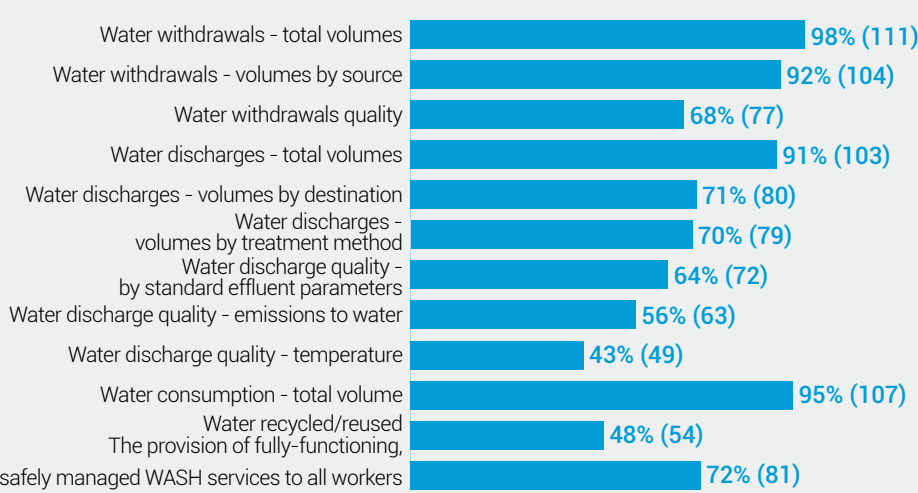
Water Flow (Withdrawal → Discharge)

Cate-gory	Source	Total Volume (GL)	Share (%)
Withdrawal Source	Third-Party Sources	85,889	93%
	Brackish/Seawater	5,160	6%
	Fresh Surface Water	587	1%
	Groundwater (Renewable)	537	1%
	Groundwater (Non-Renewable)	10	0.01%
Discharge Destination	Brackish/Seawater	5,273	55%
	Third-Party Destinations	3,871	40%
	Fresh Surface Water	467	5%
	Groundwater	8	0.09%

Water Discharge Volume by Treatment Level



Measurement and monitoring by water indicator (over 75% coverage) (N=113)



Water Withdrawal Volume by Industry and Source

Industry	Total Water Withdrawal	Third Party Sources	Brackish/ Seawater	Fresh Surface Water	Groundwater (Renewable)	Groundwater (Non-Renewable)	Produced/ Entrained Water	Not Disaggregated
Materials (14)	103,482,666	83,643,585	316	189,417	415,680	31	-	19,233,637
Consumer Discretionary (43)	1,417,183	872,302	8	244,504	74,667	10,163	5,433	210,105
IT (25)	1,140,921	681,532	7,114	36,416	6,505	-	1,406	407,948
Health Care (3)	537,286	512,883	-	-	24,403	-	-	-
Industrials (11)	270,397	146,101	-	46,667	9,385	1	-	68,243
Utilities (4)	5,195,289	17,228	5,152,779	24,765	517	-	-	-
Consumer Staples (9)	67,964	12,402	-	828	5,714	2	1,898	47,121
Energy (2)	46,871	2,489	-	44,360	21	-	-	-
Communication Services (2)	577	577	-	-	-	-	-	-
Total	112,159,154	85,889,100	5,160,217	586,956	536,893	10,198	8,737	19,967,053

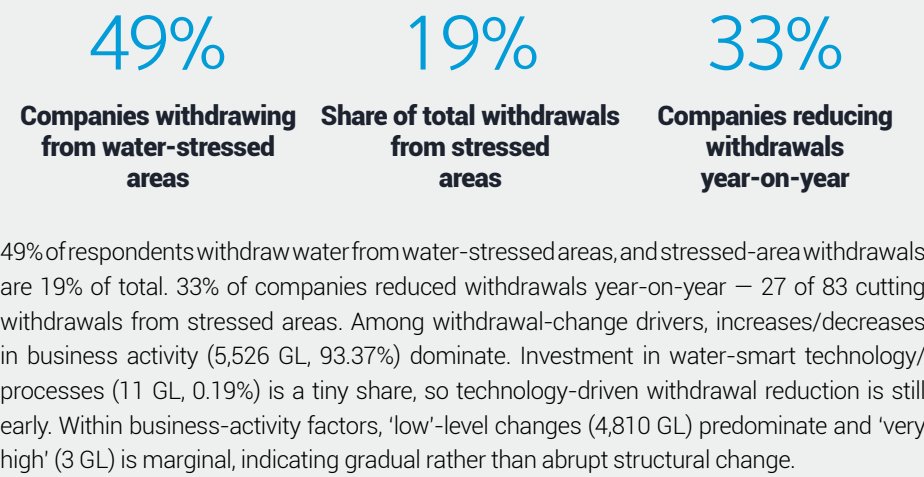
Water Discharge Volume by Industry and Destination

Industry	Total Water Discharge	Fresh Surface Water	Brackish/Seawater	Groundwater	Third-Party
Utilities (4)	5,162,257	1,365	5,160,368	-	523
Materials (14)	3,087,087	12,969	95,376	-	2,978,743
IT (25)	485,188	169,089	-	-	316,099
Health Care (3)	381,200	20,340	-	-	360,860
Consumer Discretionary (43)	401,769	200,888	2,248	8,461	190,173
Industrials (11)	68,680	57,383	-	-	11,297
Energy (2)	20,766	-	14,984	-	5,783
Consumer Staples (9)	11,739	4,984	-	16	6,739
Communication Services (2)	2,679	1,597	43	75	964
Total	9,621,366	468,614	5,273,019	8,552	3,871,181

Water Discharge Volume by Industry and Treatment Level

Industry	Total Water Discharge	No Treatment (Natural)	No Treatment (Natural)	Secondary Treatment	Tertiary Treatment	Primary Treatment Only	Other
Utilities (4)	5,163,154	5,152,779	164	8,868	1,314	28	-
Materials (14)	3,086,958	23	2,946,572	60,210	47,048	33,105	-
IT (25)	615,977	3	49,699	155,531	261,536	23,517	125,692
Health Care (3)	381,200	20,340	103,430	254,253	3,178	-	-
Consumer Discretionary (43)	310,779	925	83,478	14,353	75,800	136,222	-
Industrials (11)	68,563	17	10,386	9	57,446	704	-
Energy (2)	20,767	-	37	3,111	17,460	159	-
Consumer Staples (9)	11,858	817	1,087	5,695	3,698	561	-
Communication Services (2)	326	-	191	135	-	-	-
Total	9,659,582	5,174,906	3,195,043	502,166	467,479	194,296	125,692

Water stress



Water-related targets



Analysing achievement by company-wide (direct-operations) indicator, reduction of withdrawals per revenue (11 companies) reached 279%, 2.8 times the target. By contrast, increasing the recycling/reuse rate (8 companies) had the lowest rate at 16%, showing structural difficulty in realising circular-water targets, attributed to technical barriers in meeting water-quality standards and of investing in industrial-water recycling infrastructure. Absolute reduction of total withdrawals (6 companies) and water-pollution recycling/reuse (5 companies) also achieved around 50%, confirming that absolute-reduction targets are harder to meet than intensity-based targets.

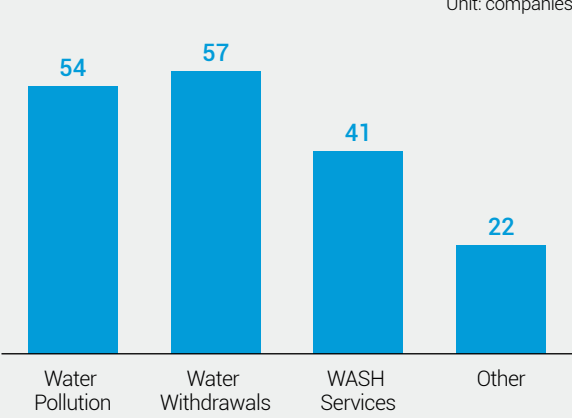
Drivers of Water Withdrawal Changes in Water-Stressed Areas

Unit: ML

Driver	Withdrawal Volume (ML)	Share (%)	Year-on-Year Change					
			Much Lower	Lower	About the same	Higher	Much Higher	First Year of Measurement
Increase/decrease in business activity	5,526,110	93.37%	-	4,810,875	107,466	603,861	3,605	303
Unknown	241,902	4.09%	-	-	241,902	-	-	-
Maximum potential volume reduction already achieved	101,975	1.72%	-	-	101,975	-	-	-
Increase/decrease in efficiency	21,914	0.37%	363	5,133	16,244	175	-	-
Investment in water-smart technology/process	11,262	0.19%	2,230	-	2,105	-	6,927	-
Other	10,280	0.17%	-	-	10,280	-	-	-
Facility expansion	3,576	0.06%	-	-	3,354	-	222	-
Change in accounting methodology	1,568	0.03%	-	-	1,568	-	-	-
Total	5,918,586		2,593	4,816,008	484,893	604,035	10,754	303

Water Target Setting Status by Category

Unit: companies



Water Target Achievement Rate by Coverage

Unit: ML

Target Coverage	Avg. Volume (GL)			% Achieved vs. Base Year
	Base Year	Reporting Year	Target Year	
Org-wide (Direct Operations)	1,522	1,556	1,585	54%
Site/facility	4	8	9	80%
Country/area/region	0	10	10	101%
Business division	76,854,464	74,204,426	80,837,530	-67%
Org-wide (incl. Suppliers)	0	0	0	0%
Business activity	5,947	4,900	4,500	72%
Total	76,861,938	74,210,899	80,843,633	-67%

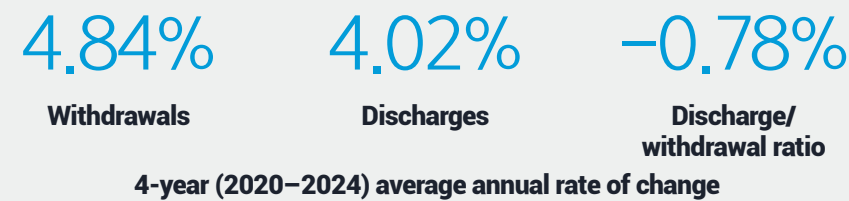
Achievement Rate by Indicator: Organization-Wide (Direct Operations) Targets

Target Indicator	No. of Companies	Share (%)	Avg. Volume (GL)			% of Target Achieved Relative to Base Year
			Base Year	Reporting Year	Target Year	
Water pollution : Reduction in concentration of pollutants	16	16%	1,817	1,564	1,488	77%
Water, Sanitation, and Hygiene (WASH) services : Increase in the proportion of employees using safely managed drinking water services	13	13%	3,541	2,439	2,616	119%
Water withdrawals: Reduction in withdrawals per revenue	11	11%	17,728	10,104	14,995	279%
Water withdrawals: Increase in water use met through recycling/reuse	8	8%	132	251	882	16%
Water withdrawals: Reduction in total water withdrawals	6	6%	25,808,723	26,176,652	26,526,305	51%
Water withdrawals: Reduction in withdrawals per unit of production	6	6%	4	3	3	68%
Water pollution : Increase in water use met through recycling/reuse	5	5%	14,336	40,521	70,175	47%
Water pollution : Increase in the proportion of wastewater that is safely treated	4	4%	623	254	110	72%
Water pollution : Reduction in water discharge volumes	3	3%	35,743	35,600	32,936	5%

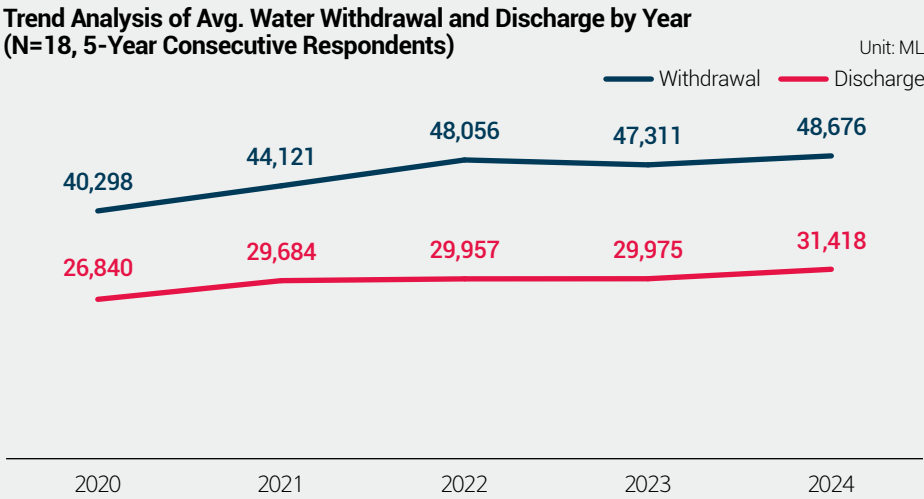
Five-Year Water-Data Tracking

(Reporting Years 2020–2024)

Withdrawals and discharges

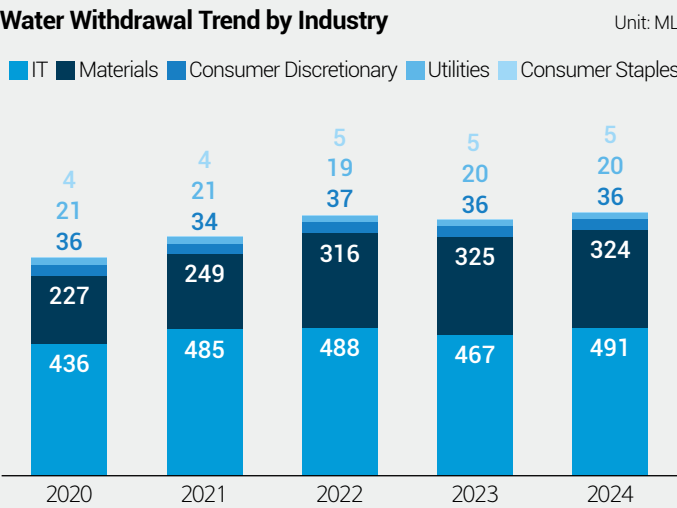


In the five-year (reporting years 2020–2024) tracking of domestic companies' water data, discharges (+4.02%) grew more slowly than withdrawals (+4.84%), so the discharge-to-withdrawal ratio fell by an annual average of 0.78%. Over four years, withdrawals rose 21% (725,367 ML → 876,167 ML) and discharges 17% (483,125 ML → 565,517 ML). By year, after a surge in both (+9% / +11%) in 2021, there was a temporary dip in 2023 (-2%) and a renewed rise in 2024 (+3%). This is attributed to fluctuations in domestic semiconductor and materials production feeding directly through to water use.



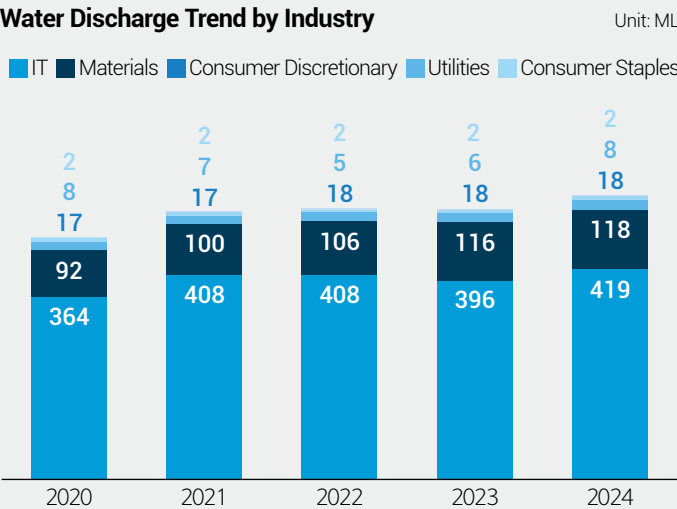
Annual Trend of Withdrawal and Discharge Change Rate

Reporting Year	Withdrawal		Discharge	
	Total Volume	Change (%)	Total Volume	Change (%)
2020	725,367	-	483,125	-
2021	794,181	3,823(9%)	534,309	2,844(11%)
2022	865,006	3,935(9%)	539,219	273(1%)
2023	851,607	-744(-2%)	539,546	18(0.1%)
2024	876,167	1,364(3%)	565,517	1443(5%)



Top 5 Companies: Water Withdrawal Comparison

Rank	Company	Withdrawal Volume (GL)		YoY Change (%)
		2020	2024	
1	POSCO	136	209	53%
2	Samsung Electronics	142	189	33%
3	SK Hynix	93	113	21%
4	LG Display	94	99	5%
5	LG Chem Ltd	52	72	40%



Top 5 Companies: Water Discharge Comparison

Rank	Company	Discharge Volume (GL)		YoY Change (%)
		2020	2024	
1	Samsung Electronics	109	152	39%
2	LG Display	84	94	12%
3	SK Hynix	81	93	16%
4	POSCO	63	84	33%
5	Samsung Display Co.,Ltd	53	37	-30%

Water Discharge-to-Withdrawal Ratio Trend by Industry

Industry	2020	2021	2022	2023	2024	CAGR (%)
IT	83%	84%	84%	85%	85%	1%
Materials	41%	40%	33%	36%	36%	-3%
Consumer Discretionary	48%	51%	49%	50%	51%	1%
Utilities	37%	31%	27%	34%	41%	3%
Consumer Staples	41%	46%	45%	46%	48%	4%

Top 5 Companies: Discharge-to-Withdrawal Ratio Comparison

Rank	Company	Discharge-to-Withdrawal Ratio (%)		CAGR (%)
		2020	2024	
1	Lotte Chemical Corp	34%	26%	-6.0%
2	POSCO	46%	40%	-3.4%
3	Kia Corporation	71%	63%	-2.8%
4	SK Hynix	87%	83%	-1.2%
5	KT&G	25%	25%	-0.5%



Integrated 5-Year Withdrawal and Discharge Table for All 18 Companies (2020-2024)

Unit: ML

Company	Industry	Withdrawal (GL)						Company	Industry	Discharge (GL)					
		2020	2021	2022	2023	2024	% Change from 2020			2020	2021	2022	2023	2024	% Change from 2020
Total		725,367	794,181	865,006	851,607	876,167	21%	Total		483,125	534,309	539,219	539,546	565,517	17%
POSCO	Materials	136,377	135,828	197,407	208,818	208,517	53%	POSCO	Materials	63,383	65,117	71,740	81,229	84,224	33%
Samsung Electronics	IT	142,294	166,662	172,811	177,361	188,541	33%	Samsung Electronics	IT	109,201	130,955	136,118	142,995	152,109	39%
SK Hynix	IT	93,077	104,044	111,639	106,548	112,981	21%	SK Hynix	IT	80,742	87,602	90,789	87,350	93,358	16%
LG Display	IT	94,140	108,122	106,813	95,778	99,082	5%	LG Display	IT	83,713	102,163	99,427	88,403	93,679	12%
LG Chem Ltd	Materials	51,539	66,882	74,781	73,423	72,189	40%	LG Chem Ltd	Materials	15,414	21,573	21,190	22,543	21,918	42%
Lotte Chemical Corp	Materials	39,398	46,642	43,920	42,692	43,745	11%	Lotte Chemical Corp	Materials	13,274	13,105	12,802	12,524	11,494	-13%
Samsung Display Co.,Ltd	IT	62,515	59,020	49,232	38,920	40,569	-35%	Samsung Display Co.,Ltd	IT	53,004	49,150	42,428	36,539	37,095	-30%
Samsung Electro-Mechanics Co., Ltd.	IT	19,708	20,834	19,700	20,919	22,324	13%	Samsung Electro-Mechanics Co., Ltd.	IT	15,157	15,300	15,256	16,952	17,291	14%
Hyundai Motor Co	Consumer Discretionary	20,535	17,834	19,940	20,583	19,092	-7%	Hyundai Motor Co	Consumer Discretionary	9,102	8,387	9,149	9,522	9,307	2%
SK Siltron Co., Ltd.	IT	14,928	16,275	16,608	15,881	15,694	5%	SK Siltron Co., Ltd.	IT	14,371	15,504	15,241	14,561	15,569	8%
LG Innotek	IT	9,593	9,715	11,376	11,593	11,951	25%	LG Innotek	IT	7,799	7,751	9,057	9,612	10,087	29%
Kia Corporation	Consumer Discretionary	9,551	10,293	10,776	9,980	10,824	13%	Kia Corporation	Consumer Discretionary	6,744	7,178	6,893	6,834	6,833	1%
Korea East-West Power	Utilities	12,545	12,489	11,062	10,295	10,173	-19%	Korea East-West Power	Utilities	2,432	2,197	1,406	1,522	1,232	-49%
Korea Western Power	Utilities	8,601	8,977	8,257	8,334	10,107	18%	Korea Western Power	Utilities	5,318	4,528	3,851	4,875	7,123	34%
Hankook Tire & Technology Co., Ltd.	Consumer Discretionary	5,993	6,155	5,980	5,706	5,585	-7%	Hankook Tire & Technology Co., Ltd.	Consumer Discretionary	1,545	1,736	1,720	1,810	1,829	18%
LG Household & Health Care	Consumer Staples	3,726	3,573	3,884	3,971	4,031	8%	LG Household & Health Care	Consumer Staples	1,652	1,793	1,882	1,998	2,096	27%
KT&G	Consumer Staples	766	743	733	699	648	-15%	KT&G	Consumer Staples	194	179	183	171	161	-17%
Coway Co., Ltd.	Consumer Discretionary	82	92	86	105	113	39%	Coway Co., Ltd.	Consumer Discretionary	82	92	86	105	113	39%



Korea Leaders

5





A-List (Climate Change)¹

Kaon Group
Kia
Lock&Lock
Mirae Asset Securities
Samsung C&T
Samsung E&A
Samsung Electro-Mechanics
Samyang
Shinhan Financial Group
SOLiD
AmorePacific
Ilji Tech
Chang Shin
KT&G
Kolon Industries
Hankook Tire & Technology
Hanwha
Hyundai E&C
Hyundai Glovis
Hyundai Mobis
Hyundai Department Store
Hyundai Wia
Hyundai Motor
HD Hyundai Construction Equipment
HD Hyundai Infracore

1. In Korean alphabetical order
2. By induction year, then Korean alphabetical order
3. By grade, then Korean alphabetical order

CDP Korea Hall of Fame

Award Category	Company ²	Year Inducted
Platinum Club	SK hynix	2013
	Samsung Electro-Mechanics	2014
	Samsung C&T	2016
	Shinhan Financial Group	2018
	Hyundai E&C	2018

CDP Korea Awards – Climate Change Winners

Award Category		Company ³
Carbon Management Honors Club		KT&G
		Hyundai Wia
		Hyundai Motor
		IBK (Industrial Bank of Korea)
		LG Uplus
Carbon Management Sector Honors	Financials	IBK (Industrial Bank of Korea)
		KB Financial Group
		IM Financial Holdings
	Industrials	Samsung E&A
		Hanwha
		Hyundai Glovis
		HD Hyundai Construction Equipment
	Consumer Discretionary	Kia
		Hyundai Wia
		Hyundai Motor
		LG Electronics
	Energy & Utilities	Korea Gas Corp
	Materials	Kolon Industries
		Hyundai Steel
	Communication Services	LG Uplus
	Consumer Staples	KT&G
		EMART
	IT	LG Innotek
		LG Display
Carbon Management Special Award	New / voluntary participation	Shinsegae
		Moorim P&P
		HL D&I Halla

A-List (Climate Change)¹

IBK (Industrial Bank of Korea)
JB Financial Group
KB Financial Group
LG H&H
LG Uplus
LG Innotek
NH Investment & Securities
SK Gas
SK Networks
SK Discovery
SK Square
SK Siltron
SK chemicals

1. In Korean alphabetical order
2. By grade, then Korean alphabetical order
3. The CDP Korea Awards select winners based on assessment scores calculated by CDP's global headquarters; the program applies only in Korea.
4. CDP Korea Awards winners are determined fairly through review by the CDP Korea Committee (see the list at the back of the report).



CDP Korea Awards – Selection Criteria^{3,4}

Climate Change

Hall of Fame

- Minimum: Leadership A- or above
- Mandatory: third-party verified by CDP
- Companies in the Carbon Management Honors Club for 5 consecutive years
 - Platinum Club: Hall of Fame status for 4+ years
 - Gold Club: Hall of Fame status for 1–3 years

Carbon Management Honors Club

- Top 5 companies with Leadership A and CDP third-party verification (ties → joint award)

Carbon Management Sector Honors

- The top 3 companies per sector with Leadership A- or above and CDP third-party verification (Top 2 for sectors with <5 respondents; top 4 for sectors with ≥15)

Carbon Management Special Award³

- Selection principle: Annual award theme determined based on global climate policy trends and industry response status (May be omitted if no eligible company)
- 2025 Theme: Expanding domestic climate disclosure and encouraging voluntary participation.
 - Eligible: Companies not among CDP's requested companies but voluntarily disclosing via CDP, and first-time responders among requested companies
 - Criteria: Top 3 companies among the above with Management B or above

A–List (Climate Change)¹

Kia
Lotte Fine Chemical
Samsung SDI
Samsung Biologics
Samsung Electro–Mechanics
Samsung Electronics
AmorePacific
KT&G
Cosmax
Korea South–East Power
Korea Midland Power
Hyundai Rotem
Hyundai Motor
LG Display
SK Discovery
SK Siltron
SK chemicals
SK hynix

1. In Korean alphabetical order
2. By grade, then Korean alphabetical order
3. The CDP Korea Awards select winners based on assessment scores calculated by CDP’s global headquarters; the program applies only in Korea.
4. CDP Korea Awards winners are determined fairly through review by the CDP Korea Committee (see the list at the back of the report).

CDP Korea Awards — Water Security Winners

Award Category		Company ²
Grand Prize		Hyundai Motor
Best Excellence Award		AmorePacific SK hynix
Sector Excellence Award	Industrials	Hyundai Rotem HL D&I Halla
	Consumer Discretionary	Kia Kumho Tire
	Energy & Utilities	SK Discovery
	Materials	Lotte Fine Chemical SK chemicals
	Health Care	Samsung Biologics
	Consumer Staples	KT&G Cosmax
		Samsung Electro–Mechanics Samsung Electronics SK Siltron
Special Award	Award of Merit	K–water

CDP Korea Awards — Selection Criteria^{3,4}

Water Security

Grand Prize

- Top 1 company with Leadership A or above (ties broken by highest score in lower band)

Best Excellence Award

- Top 2 companies with Leadership A or above (excl. Grand Prize winner)

Sector Excellence Award

- Top 2 companies per sector with Leadership A– or above (Top 1 for sectors with <10 respondents; top 3 for sectors with ≥20)

Special Award

- Selected separately by CDP Korea Committee review, for contributions to water management performance and Korea’s water ecosystem (may be omitted if no eligible company)

Overview

The CDP scoring system is designed to evaluate companies’ environmental disclosures systematically, to provide a roadmap towards best practice, and to give investors a comparable indicator of environmental stewardship across companies. Scores are based solely on the response data a company submits to CDP; external information and a company’s own website or sustainability report are not taken into account. From 2024, the climate change, forests and water security questionnaires were combined into a 13-module Integrated Corporate Questionnaire: a single disclosure covers multiple environmental issues, while separate scores are produced for climate change, forests and water security. Financial-services companies receive an additional Module 12 and, in 2025, will be given forests and water-security disclosure scores for the first time.

CDP assesses responses across four levels:

- Disclosure : completeness of the response.
- Awareness: the company’s awareness of environmental issues, risks and their business impact.
- Management: the company’s activities, policies and strategies to address environmental issues.
- Leadership: environmental management and the identification, sharing and spread of best practice, plus leadership.

A company must meet a minimum threshold at a lower level before progressing to a higher one — a design that prevents a high rating on the strength of isolated excellence and encourages balanced improvement. Unanswered questions score zero, with a larger penalty for unanswered Key Data Points.

CDP assigns one of eight grades from D– to A for each environmental issue. Each question is scored against a predefined scoring matrix and methodology, from which a score percentage is calculated for each of the four bands (Disclosure, Awareness, Management, Leadership). Disclosure and Awareness use a simple ratio (points scored / points available); Management and Leadership apply weights according to each question’s importance. A percentage-based score is computed per category and summed to determine the final grade. Moving to a higher band requires meeting the minimum threshold; otherwise, the higher-band score is not awarded.

Beyond minimum score thresholds, CDP operates an Essential Criteria system: conditions that must be satisfied for points to be recognized at a given band. Even if a score exceeds the threshold, points are withheld unless all essential criteria for that band are met. For instance, Awareness entry requires 80%+ in Disclosure plus all Awareness essential criteria. Previously applied only to A List entry, essential criteria expanded in 2024 to cover all bands (Awareness, Management, Leadership) within Climate Change, with new A List requirement added.

Rating Determination

Essential Criteria



Non-evaluation
handling and disclaimer

This establishes a consistent reporting baseline per band, ensuring disclosure of core data and key response elements—prioritizing consistently robust environmental management over isolated best practices.

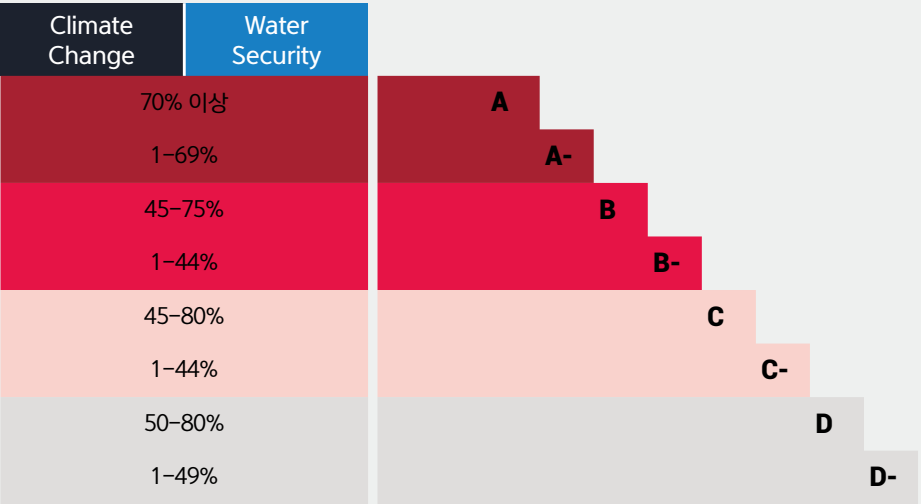
For Forests and Water Security, essential criteria currently apply only at Leadership and A List, with expansion to lower bands planned.

A company that is asked to disclose to CDP but does not is marked 'Did not disclose', indicating it provided insufficient information to be scored. A company that submits after the scoring deadline, or is otherwise ineligible, is marked 'Not Scored' and excluded from evaluation. A CDP score reflects the activities and positions a company disclosed in its CDP response. It is not a comprehensive measure of a company's sustainability or 'greenness', nor a specific measure of environmental footprint; it indicates the level of action the company took during the reporting year to assess and manage its environmental impacts. CDP publishes its methodology to show companies how scores are derived but reserves the right to adjust criteria or weightings throughout the scoring period based on emerging risk-management strategies, best practice, response-data quality and scoring outcomes.

Stage thresholds

The provisional thresholds applied to each CDP scoring stage and environmental issue are set out in the source. They applied to scoring for the 2025 disclosure cycle, and CDP may adjust them up to the point of score release after reviewing the distribution of responses (final bands of the CDP scoring system).

CDP Scoring System — Final Bands



CDP Media Contacts
media@cdp.net

CDP Worldwide
4th Floor,
60 Great Tower Street,
London EC3R 5AD
United Kingdom

Tel: +44 (0)20 3818 3900
www.cdp.net
info@cdp.net

CDP Korea Committee
— Secretariat (KoSIF)

Jee-in Jang
Chair

Chun-seung Yang
Standing Vice Chair

Jong-oh Lee
Secretary General

Tae-han Kim
Director

Da-yeon Lee
Principal Researcher

Jung-seok Kim
Principal Researcher

Hyun-jung Kim
Senior Researcher

Na-hyun Nam
Senior Researcher

Seung-youn Seo
Senior Researcher

Sul-gi Oh
Senior Researcher

Hae-in Lee
Researcher

Si-hyeon Kim
Researcher

KoSIF Office
3F, 650-1 Nonhyeon-ro, Gangnam-gu,
Seoul, Republic of Korea
Tel: +82 (0)70 8821 2289

CDP Korea Committee

Jee-in Jang
Chair (Former President, Korea Accounting Institute)

Chun-seung Yang
Standing Vice Chair

CDP Climate Change
Seung-jin Kang
Adjunct Professor, Tech University of Korea

Byung-ok Ahn
Adjunct Professor, Seoul National University;
Former Vice Minister of Environment

Je-chul Yoo
Advisor, Jin&Lee Law Office;
Professor, Joongbu University;
Former Vice Minister of Environment

Byung-wook Lee
Former Professor, Sejong University;
Former Vice Minister of Environment

Eui-chan Jeon
Chair Professor, Sejong University

Seok-woo Jung
Professor, Korea University

Hae-bong Cheoung
CEO, Eco-Frontier

Tak Hur
Professor Emeritus, Konkuk University

CDP Water Security
Yeon-cheol Yoo
Secretary General, UN Global Compact Network Korea

Gil-jae Lee
Research Fellow, Seoul National University;
Former Vice President, K-water

Kun-yong Chung
Professor, Seoul National University
of Science and Technology

Hae-bong Cheoung
CEO, Eco-Frontier

