C4. Targets and performance

C4.1

(C4.1) Did you have an emissions target that was active in the reporting year?
Absolute target

C4.1a

(C4.1a) Provide details of your absolute emissions target(s) and progress made against those targets.

Target reference number
Abs 1

Year target was set
2020

Target coverage
Company-wide

Scope(s)
Scope 1
Scope 2

Scope 2 accounting method
Location-based

Scope 3 category(ies)
<Not Applicable>

Base year
2019

Base year Scope 1 emissions covered by target (metric tons CO2e)
368746

Base year Scope 2 emissions covered by target (metric tons CO2e)
903468

Base year Scope 3 emissions covered by target (metric tons CO2e)
<Not Applicable>

Total base year emissions covered by target in all selected Scopes (metric tons CO2e)
1272214

Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1
100

Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2
100

Base year Scope 3 emissions covered by target as % of total base year emissions in Scope 3 (in all Scope 3 categories)
<Not Applicable>

Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes
100

Target year
2030

Targeted reduction from base year (%)
46

Total emissions in target year covered by target in all selected Scopes (metric tons CO2e) [auto-calculated]
686995.56

Scope 1 emissions in reporting year covered by target (metric tons CO2e)
365125

Scope 2 emissions in reporting year covered by target (metric tons CO2e)
801077

Scope 3 emissions in reporting year covered by target (metric tons CO2e)
<Not Applicable>

Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)
1166202

% of target achieved relative to base year [auto-calculated]
18.1149452501873

Target status in reporting year
Underway

Is this a science-based target?
No, but we anticipate setting one in the next 2 years

Target ambition
<Not Applicable>

Please explain target coverage and identify any exclusions
We calculate and manage Scope 1 and 2 emissions on a company-wide basis, including both domestic and overseas subsidiaries of Kia. We have also set a mid-term target for 2030, and no emission source is missing from Scope 1 and 2.

Plan for achieving target, and progress made to the end of the reporting year
Kia officially declared its Net Zero goal by 2045. Accordingly, Kia established a reduction plan to achieve the target. Kia plans to reduce its greenhouse gas emissions by 97% compared to 2019 and seek ways to offset the remaining amount, making net emissions “0” at all stages. Kia plans to pursue this under the 3S: Sustainable Energy, Sustainable Mobility, and Sustainable Planet.

List the emissions reduction initiatives which contributed most to achieving this target
<Not Applicable>

Target reference number
Abs 2

Year target was set
2020

Target coverage
Company-wide

Scope(s)
Scope 1
Scope 2

Scope 2 accounting method
Location-based

Scope 3 category(ies)
<Not Applicable>

Base year
2019

Base year Scope 1 emissions covered by target (metric tons CO2e)
368746

Base year Scope 2 emissions covered by target (metric tons CO2e)
903468

Base year Scope 3 emissions covered by target (metric tons CO2e)
<Not Applicable>

Total base year emissions covered by target in all selected Scopes (metric tons CO2e)
1272214

Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1
100

Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2
100

Base year Scope 3 emissions covered by target as % of total base year emissions in Scope 3 (in all Scope 3 categories)
<Not Applicable>

Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes
100

Target year
2045

Targeted reduction from base year (%)
100

Total emissions in target year covered by target in all selected Scopes (metric tons CO2e) [auto-calculated]
0

Scope 1 emissions in reporting year covered by target (metric tons CO2e)
365125

Scope 2 emissions in reporting year covered by target (metric tons CO2e)
801077

Scope 3 emissions in reporting year covered by target (metric tons CO2e)
<Not Applicable>

Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)
1166202

% of target achieved relative to base year [auto-calculated]
8.33287481508614

Target status in reporting year
Underway

Is this a science-based target?
No, but we anticipate setting one in the next 2 years

Target ambition
<Not Applicable>

Please explain target coverage and identify any exclusions
We calculate and manage Scope 1 and 2 emissions on a company-wide basis, including both domestic and overseas subsidiaries of Kia. We have also set a mid-term target for 2030, and no emission source is missing from Scope 1 and 2.

Plan for achieving target, and progress made to the end of the reporting year
Kia officially declared its Net Zero goal by 2045. Accordingly, Kia established a reduction plan to achieve the target. Kia plans to reduce its greenhouse gas emissions by 97% compared to 2019 and seek ways to offset the remaining amount, making net emissions “0” at all stages. Kia plans to pursue this under the 3S: Sustainable Energy, Sustainable Mobility, and Sustainable Planet.

List the emissions reduction initiatives which contributed most to achieving this target
<Not Applicable>

Target reference number
Abs 3

Year target was set
2020

Target coverage
Company-wide

Scope(s)
Scope 3

Scope 2 accounting method
<Not Applicable>

Scope 3 category(ies)
Category 11: Use of sold products

Base year
2019

Base year Scope 1 emissions covered by target (metric tons CO2e)
<Not Applicable>

Base year Scope 2 emissions covered by target (metric tons CO2e)
<Not Applicable>

Base year Scope 3 emissions covered by target (metric tons CO2e)
61534489

Total base year emissions covered by target in all selected Scopes (metric tons CO2e)
61534489

Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1
<Not Applicable>

Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2
<Not Applicable>

Base year Scope 3 emissions covered by target as % of total base year emissions in Scope 3 (in all Scope 3 categories)
85

Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes
85

Target year
2035

Targeted reduction from base year (%)
56.6

Total emissions in target year covered by target in all selected Scopes (metric tons CO2e) [auto-calculated]

26705968.226

Scope 1 emissions in reporting year covered by target (metric tons CO2e)
<Not Applicable>

Scope 2 emissions in reporting year covered by target (metric tons CO2e)
<Not Applicable>

Scope 3 emissions in reporting year covered by target (metric tons CO2e)
56808900

Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)
56808900

% of target achieved relative to base year [auto-calculated]
13.5681587818904

Target status in reporting year
Underway

Is this a science-based target?
No, but we anticipate setting one in the next 2 years

Target ambition
<Not Applicable>

Please explain target coverage and identify any exclusions
The use of sold products generates 85% of Kia's Scope3 total emissions. Therefore, the use of sold products is subject to Kia's intensive management and reduction targets, and this standard also meets the level required by the SBTi. Therefore, Scope 3 targets only the use of sold products.

Plan for achieving target, and progress made to the end of the reporting year
Kia has set a Scope3 target for the use of sold products. Scope 3 emissions from using sold products are 85% of the total emissions, and Kia is making various efforts to reduce them. Kia plans to reduce greenhouse gas emissions in the short term by improving fuel efficiency. In the mid to long term, replace 100% with electric vehicles and take the lead in building electric infrastructure. As a result, Kia has established a target to reduce the Scope 3 target by using the products sold by 56.6% by 2035 compared to 2019

List the emissions reduction initiatives which contributed most to achieving this target
<Not Applicable>

C4.2c

(C4.2c) Provide details of your net-zero target(s).

Target reference number
NZ1

Target coverage
Company-wide

Absolute/intensity emission target(s) linked to this net-zero target
Abs1
Abs2
Abs3

Target year for achieving net zero
2045

Is this a science-based target?
No, but we anticipate setting one in the next 2 years

Please explain target coverage and identify any exclusions
KIA set a net zero goal considering all scopes 1, 2, and 3

Do you intend to neutralize any unabated emissions with permanent carbon removals at the target year?
Yes

Planned milestones and/or near-term investments for neutralization at target year
"KIA plans to achieve its Net Zero goal by 2045 compared to 2019. Accordingly, KIA plans to reduce greenhouse gas emissions by 97% by 2045 compared to 2019 through resource circulation, electrification conversion, supply chain management, and eco-friendly energy conversion (RE100). KIA also plans to find ways to offset the remaining 3% and achieve this. KIA's short-term investment plans to achieve Net Zero include improving facility efficiency, process efficiency, and expanding renewable energy."

Planned actions to mitigate emissions beyond your value chain (optional)

C4.3

C4.3a

(C4.3a) Identify the total number of initiatives at each stage of development, and for those in the implementation stages, the estimated CO2e savings.

	Number of initiatives	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
Under investigation	0	0
To be implemented*	4	2965
Implementation commenced*	27	1348
Implemented*	121	36892
Not to be implemented	0	0

C4.3b

(C4.3b) Provide details on the initiatives implemented in the reporting year in the table below.

Initiative category & Initiative type

Energy efficiency in production processes	Process optimization

Estimated annual CO2e savings (metric tonnes CO2e)
7657

Scope(s) or Scope 3 category(ies) where emissions savings occur
Scope 2 (location-based)

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)
842451998

Investment required (unit currency – as specified in C0.4)
428000000

Payback period
1-3 years

Estimated lifetime of the initiative
11-15 years

Comment
We reduced greenhouse gas emissions by carrying out various activities to optimize the process, such as installing sensors in the factory, adjusting timers, applying power-saving programs, and improving operations.

Initiative category & Initiative type

Energy efficiency in production processes	Process optimization

Estimated annual CO2e savings (metric tonnes CO2e)
1359

Scope(s) or Scope 3 category(ies) where emissions savings occur
Scope 1

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)
463880204

Investment required (unit currency – as specified in C0.4)
223361000

Payback period
1-3 years

Estimated lifetime of the initiative
11-15 years

Comment
We reduced greenhouse gas emissions by doing various activities to optimize the process, such as improving facilities, operations, and operating hours.

Initiative category & Initiative type

Energy efficiency in buildings	Lighting

Estimated annual CO2e savings (metric tonnes CO2e)
25

Scope(s) or Scope 3 category(ies) where emissions savings occur
Scope 2 (location-based)

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)
4392678

Investment required (unit currency – as specified in C0.4)
0

Payback period
<1 year

Estimated lifetime of the initiative
6-10 years

Comment
We reduced greenhouse gas emissions by replacing the lighting in KIA with high-efficiency lighting.

Initiative category & Initiative type

Energy efficiency in production processes	Machine/equipment replacement

Estimated annual CO2e savings (metric tonnes CO2e)
698

Scope(s) or Scope 3 category(ies) where emissions savings occur
Scope 2 (location-based)

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)
130360000

Investment required (unit currency – as specified in C0.4)
553045000

Payback period
4-10 years

Estimated lifetime of the initiative
11-15 years

Comment
We reduced greenhouse gas emissions through high-efficiency facility replacement, such as high-efficiency motors and cooling/heating units.

Initiative category & Initiative type

Energy efficiency in production processes	Reuse of steam

Estimated annual CO2e savings (metric tonnes CO2e)
20

Scope(s) or Scope 3 category(ies) where emissions savings occur
Scope 1

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)
2161152

Investment required (unit currency – as specified in C0.4)
0

Payback period
<1 year

Estimated lifetime of the initiative
11-15 years

Comment
We reduced greenhouse gases by installing a waste water heat recovery system at the Cultural Center.

Initiative category & Initiative type

Energy efficiency in production processes	Other, please specify (removal of facilities)

Estimated annual CO2e savings (metric tonnes CO2e)
3

Scope(s) or Scope 3 category(ies) where emissions savings occur
Scope 2 (location-based)

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)
0

Investment required (unit currency – as specified in C0.4)
0

Payback period
<1 year

Estimated lifetime of the initiative
<1 year

Comment
We reduced greenhouse gas emissions by removing ceramic heaters.

Initiative category & Initiative type

Energy efficiency in production processes	Other, please specify (removal of facilities)

Estimated annual CO2e savings (metric tonnes CO2e)
42

Scope(s) or Scope 3 category(ies) where emissions savings occur
Scope 1

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)
4800000

Investment required (unit currency – as specified in C0.4)
0

Payback period
<1 year

Estimated lifetime of the initiative
<1 year

Comment
We reduced greenhouse gas emissions by removing welding machines and exhaust systems.

Initiative category & Initiative type

Low-carbon energy consumption	Other, please specify (low-carbon energy mix)

Estimated annual CO2e savings (metric tonnes CO2e)
27086

Scope(s) or Scope 3 category(ies) where emissions savings occur
Scope 2 (location-based)

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)
16758486600

Investment required (unit currency – as specified in C0.4)
4326

Payback period
1-3 years

Estimated lifetime of the initiative
<1 year

Comment
KIA's Slovak plant purchases and uses 100% of its electricity as renewable energy, and the renewable energy source is checked every year through a certificate.

C4.3c

(C4.3c) What methods do you use to drive investment in emissions reduction activities?

Method	Comment
Dedicated budget for low-carbon product R&D	Kia has expanded and reflected R&D investment costs for fuel efficiency improvement and development of eco-friendly vehicles (electric vehicles, hydrogen vehicles, etc.) by linking eco-friendly vehicle development with business strategy to increase the energy efficiency of products.
Dedicated budget for energy efficiency	Kia requires all its business sites to set greenhouse gas and energy reduction targets. Kia reviews and evaluates its current performance annually. Since it is a matter reported to the management, including the CEO, it has become a means of promoting investment in emission reduction activities from a regulatory perspective

C4.5a

(C4.5a) Provide details of your products and/or services that you classify as low-carbon products.

Level of aggregation
Product or service

Taxonomy used to classify product(s) or service(s) as low-carbon
Other, please specify (K-Taxonomy)

Type of product(s) or service(s)

Other	Other, please specify (Greenhouse Gas Reduction by EV)

Description of product(s) or service(s)
KIA conducted a business transformation towards 100% electrification to contribute to a low-carbon society. Accordingly, KIA is actively participating in developing electric vehicles and has developed the EV6, KIA's first exclusive electric vehicle. As EV6 was commercialized, greenhouse gas emissions have been reduced as much as EV6 sales. The amount of reduction was calculated by comparing the carbon footprint with an internal combustion engine vehicle (Sportage), equivalent to the EV6.

Have you estimated the avoided emissions of this low-carbon product(s) or service(s)
Yes

Methodology used to calculate avoided emissions
Other, please specify (methodology for projects that reduce fossil fuel use due to EV adoption)

Life cycle stage(s) covered for the low-carbon product(s) or services(s)
Cradle-to-grave

Functional unit used
tCO2e

Reference product/service or baseline scenario used
As a comparative product, we set the internal combustion engine vehicle (Sportage) with the same functions and specifications as the electric vehicle and calculate the amount of greenhouse gas reduction through the difference between the greenhouse gas emission from the carbon footprint and the emission from the electric vehicle.

Life cycle stage(s) covered for the reference product/service or baseline scenario
Cradle-to-grave

Estimated avoided emissions (metric tons CO2e per functional unit) compared to reference product/service or baseline scenario
306439

Explain your calculation of avoided emissions, including any assumptions
Kia strives to realize its social responsibility through eco-friendly businesses. Accordingly, to analyze the impact of EV6 on society, Kia compared the EV6 with the Sportage, an internal combustion engine vehicle of the same class, and calculated the amount of greenhouse gas reduction generated by the sale of one EV6 based on the comparison result. Regarding the greenhouse gas reduction calculation, we calculated the carbon footprint of both the EV6 and the Sportage, considering the amount of greenhouse gas reduction generated from comparing emissions based on the carbon footprint. * Greenhouse gas reduction = Internal combustion vehicle (Sportage) emissions - Electric vehicle emissions

Revenue generated from low-carbon product(s) or service(s) as % of total revenue in the reporting year
0.9

C5.2

(C5.2) Provide your base year and base year emissions.

Scope 1

Base year start
January 1 2019

Base year end
December 31 2019

Base year emissions (metric tons CO2e)
368746

Comment

Scope 2 (location-based)

Base year start
January 1 2019

Base year end
December 31 2019

Base year emissions (metric tons CO2e)
903468

Comment

Scope 2 (market-based)

Base year start
January 1 2019

Base year end
December 31 2019

Base year emissions (metric tons CO2e)
838399

Comment

Scope 3 category 1: Purchased goods and services

Base year start
January 1 2019

Base year end
December 31 2019

Base year emissions (metric tons CO2e)
10147910

Comment

Scope 3 category 2: Capital goods

Base year start
January 1 2019

Base year end
December 31 2019

Base year emissions (metric tons CO2e)
507

Comment

Scope 3 category 3: Fuel-and-energy-related activities (not included in Scope 1 or 2)

Base year start
January 1 2019

Base year end
December 31 2019

Base year emissions (metric tons CO2e)
53747

Comment

Scope 3 category 4: Upstream transportation and distribution

Base year start
January 1 2019

Base year end
December 31 2019

Base year emissions (metric tons CO2e)
0

Comment

Scope 3 category 5: Waste generated in operations

Base year start
January 1 2019

Base year end
December 31 2019

Base year emissions (metric tons CO2e)
3069

Comment

Scope 3 category 6: Business travel

Base year start
January 1 2019

Base year end
December 31 2019

Base year emissions (metric tons CO2e)
7773

Comment

Scope 3 category 7: Employee commuting

Base year start
January 1 2019

Base year end
December 31 2019

Base year emissions (metric tons CO2e)
20020

Comment

Scope 3 category 8: Upstream leased assets

Base year start
January 1 2019

Base year end
December 31 2019

Base year emissions (metric tons CO2e)
0

Comment

Scope 3 category 9: Downstream transportation and distribution

Base year start
January 1 2019

Base year end
December 31 2019

Base year emissions (metric tons CO2e)
651247

Comment

Scope 3 category 10: Processing of sold products

Base year start
January 1 2019

Base year end
December 31 2019

Base year emissions (metric tons CO2e)
0

Comment

Scope 3 category 11: Use of sold products

Base year start
January 1 2019

Base year end
December 31 2019

Base year emissions (metric tons CO2e)
61534489

Comment

Scope 3 category 12: End of life treatment of sold products

Base year start
January 1 2019

Base year end
December 31 2019

Base year emissions (metric tons CO2e)
56080

Comment

Scope 3 category 13: Downstream leased assets

Base year start
January 1 2019

Base year end
December 31 2019

Base year emissions (metric tons CO2e)
0

Comment

Scope 3 category 14: Franchises

Base year start
January 1 2019

Base year end
December 31 2019

Base year emissions (metric tons CO2e)
0

Comment

Scope 3 category 15: Investments

Base year start
January 1 2019

Base year end
December 31 2019

Base year emissions (metric tons CO2e)
81181

Comment

Scope 3: Other (upstream)

Base year start
January 1 2019

Base year end
December 31 2019

Base year emissions (metric tons CO2e)
0

Comment

Scope 3: Other (downstream)

Base year start
January 1 2019

Base year end
December 31 2019

Base year emissions (metric tons CO2e)
0

Comment

C6. Emissions data

C6.1

(C6.1) What were your organization's gross global Scope 1 emissions in metric tons CO2e?

Reporting year

Gross global Scope 1 emissions (metric tons CO2e)
365125

Start date
<Not Applicable>

End date
<Not Applicable>

Comment

C6.2

(C6.2) Describe your organization's approach to reporting Scope 2 emissions.

Row 1

Scope 2, location-based
We are reporting a Scope 2, location-based figure

Scope 2, market-based
We are reporting a Scope 2, market-based figure

Comment

C6.3

(C6.3) What were your organization's gross global Scope 2 emissions in metric tons CO2e?

Reporting year

Scope 2, location-based
801077

Scope 2, market-based (if applicable)
773991

Start date
<Not Applicable>

End date
<Not Applicable>

Comment

C6.4

(C6.4) Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1 and Scope 2 emissions that are within your selected reporting boundary which are not included in your disclosure?
No

C6.5

(C6.5) Account for your organization's gross global Scope 3 emissions, disclosing and explaining any exclusions.

Purchased goods and services

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
9670587

Emissions calculation methodology
Average product method

Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

Please explain
"KIA conducts LCA on some cars and, based on this, calculates greenhouse gas emissions for purchased products and services. The greenhouse gas emission is calculated by considering the production of each vehicle type and the greenhouse gas emission coefficient before and during the manufacturing stage of the relevant vehicle type. * Emissions of purchased products and services = Vehicle sales × (Pre-manufacturing stage emission coefficient + Manufacturing stage emission coefficient)."

Capital goods

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
6

Emissions calculation methodology
Average product method

Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

Please explain
"We calculate Scope 3 emissions for equipment purchased by KIA and greenhouse gas emissions in the pre-manufacturing and manufacturing stages of equipment production. * Capital Goods Emissions = Equipment Purchases × (Pre-manufacturing Stage Emission coefficient + Manufacturing Stage Emission coefficient)."

Fuel-and-energy-related activities (not included in Scope 1 or 2)

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
83293

Emissions calculation methodology
Fuel-based method

Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

Please explain
"We calculate greenhouse gas emissions from the production of fuel purchased and used by KIA. * Fuel and energy emissions not included in Scope 1 or 2 = amount of fuel purchased × emission coefficient for the fuel production stage."

Upstream transportation and distribution

Evaluation status
Not relevant, calculated

Emissions in reporting year (metric tons CO2e)
0

Emissions calculation methodology
Distance-based method

Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

Please explain
KIA is performing LCA on some cars. The emission coefficient of the manufacturing stage is set in consideration of the emission for upstream transportation and logistics. Therefore, those emissions are zero as we report upstream transportation and logistics emissions in Category 1 (Purchased Products and Services).

Waste generated in operations

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
12952

Emissions calculation methodology
Waste-type-specific method

Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

Please explain
""KIA estimates the greenhouse gas emissions generated from its waste treatment process and the greenhouse gas emissions generated by incineration and landfill. * Waste emission = (landfill amount × landfill emission coefficient) + (incineration amount × incineration emission coefficient)."

Business travel

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
2218

Emissions calculation methodology
Distance-based method

Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

Please explain
"KIA manages the means of transportation for business trips and calculates greenhouse gas emissions by air, KTX, bus, general train, and private vehicle. When calculating greenhouse gas emissions, we directly calculated the distance traveled by means of transportation based on internal data and by considering the emission coefficient of each transportation means for the calculated travel distance. * Business trip emissions = ∑ (movement distance by means of transportation × emission coefficient by means of transportation)."

Employee commuting

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
200225

Emissions calculation methodology
Distance-based method

Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

Please explain
"KIA manages employee commuting and calculates greenhouse gas emissions based on distance traveled. * Commuter emissions = number of commuters × distance traveled by commuting × emission coefficient."

Upstream leased assets

Evaluation status
Not relevant, calculated

Emissions in reporting year (metric tons CO2e)
0

Emissions calculation methodology
Asset-specific method

Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

Please explain
KIA includes upstream rental assets when calculating Scope 1 and 2 emissions. Therefore, Scope 3 GHG emissions from upstream rental properties are zero.

Downstream transportation and distribution

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
643569

Emissions calculation methodology
Distance-based method

Percentage of emissions calculated using data obtained from suppliers or value chain partners
100

Please explain
"KIA contracts with a logistics company to transport cars, KIA calculates and provides annual greenhouse gas emissions generated from automobile transportation by the relevant logistics company. For reference, the greenhouse gas emissions generated by logistics companies during the transportation of KIA products are calculated considering transport weight, transportation distance, etc. "

Processing of sold products

Evaluation status
Not relevant, explanation provided

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
As Kia sells the final product to its customers, the sold product is not processed separately. Therefore, since no processing takes place, greenhouse gas emissions are zero.

Use of sold products

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
56808900

Emissions calculation methodology
Methodology for direct use phase emissions, please specify (Calculation considering fuel economy and product lifespan)

Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

Please explain
“KIA manages car sales to manage Scope 3 emissions and estimates and reports the greenhouse gas emissions generated by the sold cars in use. Greenhouse gas emissions generated while using automobiles are calculated by estimating vehicle fuel efficiency, lifespan, and total distance traveled. The emission calculation results are as follows. * Emissions from the use of sold products = sales by vehicle × fuel economy by vehicle × total distance traveled”

End of life treatment of sold products

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
54729

Emissions calculation methodology
Average product method

Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

Please explain
"KIA conducts LCA on some cars, and based on this, calculates greenhouse gas emissions for car disposal. The greenhouse gas emission is calculated by considering the sales volume by vehicle type and the greenhouse gas emission coefficient at the stage of disposal of the relevant vehicle model. * Disposal of sold products = vehicle sales by vehicle type × Disposal emission coefficient by vehicle type."

Downstream leased assets

Evaluation status
Not relevant, calculated

Emissions in reporting year (metric tons CO2e)
0

Emissions calculation methodology
Lessor-specific method

Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

Please explain
KIA reports all greenhouse gas emissions from energy sources used in its rental buildings included in Scope 1 and 2. Therefore, Scope 3 GHG emissions by downstream rental properties are zero.

Franchises

Evaluation status
Not relevant, calculated

Emissions in reporting year (metric tons CO2e)
0

Emissions calculation methodology
Franchise-specific method

Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

Please explain
KIA reports all service centers' and branches' greenhouse gas emissions in Scope 1 and 2. Therefore, the Scope 3 GHG emissions by the franchise are zero.

Investments

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
86825

Emissions calculation methodology
Investment-specific method

Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

Please explain
"KIA calculates greenhouse gas emissions of companies whose share that KIA holds by multiplying the company's emissions by the shareholding ratio. * Investment Emissions = Emissions of Investment Companies × Shareholding Ratio."

Other (upstream)

Evaluation status
Not relevant, explanation provided

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
N/A

Other (downstream)

Evaluation status
Not relevant, explanation provided

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
N/A

C6.10

(C6.10) Describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tons CO2e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.

Intensity figure
1.7e-8

Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)
1166202

Metric denominator
unit total revenue

Metric denominator: Unit total
69862366000000

Scope 2 figure used
Location-based

% change from previous year
16

Direction of change
Decreased

Reason for change
KIA's 2021 sales intensity was reduced by 16% compared to 2020. The main reason for the decrease is because its greenhouse gas emissions were reduced by 1% compared to the previous year through various reduction activities, such as process optimization for direct greenhouse gas reduction, high-efficiency equipment replacement, high-efficiency lighting replacement, waste heat recovery, Welding machine, and exhaust system removal, etc., but the sales increased by 18% compared to the previous year. As a result, KIA's sales intensity decreased by 16% compared with the year earlier. Details of the calculation results are as follows. - 2020 sales intensity: 2020 emissions (1,180,676 tCO2e) ÷ 2020 sales (59,168,096,000,000 KRW) = 0.000000020 tCO2e/KRW - 2021 sales intensityt: 2021 emissions (1,166,202 tCO2e) ÷ 2021 sales (69,862,366,000,000 KRW) = 0.000000017 tCO2e/KRW - Change of 2021 intensity compared to 2020 (%) = { 2021 sales intensity (0.000000017 tCO2e/KRW) ÷ 2020 sales intensity (0.000000020 tCO2e/KRW) - 1} × 100 = -16%