# Supporting Data





## Input/Output 2024 Europe

## Input

## Wood and fiber

Wood <sup>1</sup>	ktonnes ar	5,148
Market virgin pulp	ktonnes ar	109
Other pulp	ktonnes ar	15
Recovered paper	ktonnes ar	5,252
Paper or board purchased	ktonnes ar	1,070
Plastic films, other plastic item (BIB)	ktonnes	31
Starch (all types)	ktonnes ar	299
Inorganic raw materials	ktonnes ar	277
Other organic raw materials	ktonnes ar	195

## Output

#### Production

Papers (all grades)	ktonnes	5,994
Corrugated packaging*	ktonnes	4,987
Board and laminated boards*	ktonnes	350
Converted board*	ktonnes	106
Sacks*	ktonnes	-
Other packaging	ktonnes	29

## Direct emissions to air

CO <sub>2</sub> fossil	ktonnes	1,742
CO <sub>2</sub> biogenic	ktonnes	3,524
Dust/Particulates from fuels	ktonnes	0.18
SO <sub>x</sub> from processes	ktonnes	0.75
NO <sub>x</sub> from processes	ktonnes	2.8

#### Energy

Energy from fossil fuels	υ	30,277
Energy from purchased biofuels	υ	5,096
Electricity from grid	GWh	2,149

## Energy output

Electricity to third party	GWh	412
Thermal energy to third party	υ	1,017
Biomass sold	υ	610

#### Waste

Hazardous waste	ktonnes	11.3
Non-hazardous waste sent to landfill	ktonnes	116
Non-hazardous waste recovered	ktonnes	482
Non-hazardous waste sent to other disposal method	ktonnes	22.9

#### Water

Water intake<sup>2</sup>

Mm³

102

## Discharges to water

Water released	Mm <sup>3</sup>	92
COD	ktonnes	26
BOD	ktonnes	10
Total suspended solids	ktonnes	4.6
Total N	ktonnes	0.53
Total P	ktonnes	0.06

<sup>1</sup> Wood and sawmill chips as delivered to the mill
 <sup>2</sup> Water intake includes rainwater and waste water from another operation
 \* Partly produced with SKG paper or board ktonnes ar: kilotonnes as received

The table reports total energy consumption of the site, taking into account the fuels used to produce electricity and/or thermal energy sold externally.

## Input/Output 2024 The Americas

## Input

## Wood and fiber

Wood <sup>1</sup>	ktonnes ar	862
Market virgin pulp	ktonnes ar	2
Other pulp	ktonnes ar	2
Recovered paper	ktonnes ar	1,464
Paper or board purchased	ktonnes ar	265
Plastic films, other plastic item (BIB)	ktonnes	5
Starch (all types)	ktonnes ar	67
Inorganic raw materials	ktonnes ar	32
Other organic raw materials	ktonnes ar	62

## Output

#### Production

Papers (All grades)	ktonnes	1,600
Corrugated packaging*	ktonnes	1,596
Board and laminated boards*	ktonnes	101
Converted board*	ktonnes	77
Sacks*	ktonnes	73
Other packaging	ktonnes	5

## Direct emissions to air

CO <sub>2</sub> fossil	ktonnes	805
CO <sub>2</sub> biogenic	ktonnes	609
Dust/Particulates from fuels	ktonnes	0.18
SO <sub>x</sub> from processes	ktonnes	1.51
NO <sub>x</sub> from processes	ktonnes	1.28

### Energy

Energy from fossil fuels	υ	12,304
Energy from purchased biofuels	υ	2,330
Electricity from grid	GWh	919

## Energy output

Electricity to third party	GWh	-
Thermal energy to third party	υ	-
Biomass sold	υ	-

#### Waste

Hazardous waste	ktonnes	1.96
Non-hazardous waste sent to landfill	ktonnes	197
Non-hazardous waste recovered	ktonnes	34
Non-hazardous waste sent to other disposal method	ktonnes	0.89

#### Water

Water intake<sup>2</sup> Mm<sup>3</sup>

27

## Discharges to water

Water released	Mm <sup>3</sup>	23
COD	ktonnes	8.4
BOD	ktonnes	1.59
Total suspended solids	ktonnes	2.37
Total N	ktonnes	0.42
Total P	ktonnes	0.02

1 2

Wood and sawmill chips as delivered to the mill Water intake includes rainwater and waste water from another operation Partly produced with SKG paper or board ktonnes ar: kilotonnes as received

The table reports total energy consumption of the site, taking into account the fuels used to produce electricity and/or thermal energy sold externally.

Integrated Corrugated Operations

Paper and Board Mills

Other Operations

Other Packaging Operations TOTAL OPERATIONS

## SMURFIT KAPPA Environmental data 2024 Operations total, Europe

			Operacions			
Production	ktonnes	6,344	4,721	401	1,896	13,362
Energy						
Electricity						
Co-generated	GWh	2,049	-	-	-	2,049
Self-generated	GWh	0	-	-	-	0
Hydropower	GWh	4	-	-	-	4
Solar electricity generated on site	GWh	11	7	0	-	17
Net grid supply	GWh	1,364	517	84	4	1,968
Total electricity	GWh	3,428	523	84	4	4,039
Fuel usage						
Biofuels	LT	31,249	144	1	-	31,393
Fossil fuels	LT	24,861	3,918	121	85	28,984
Total fuels	LT	56,109	4,062	122	85	60,377
Water withdrawal						
Surface	Mm <sup>3</sup>	85.1	0			85.1
Ground	Mm <sup>3</sup>	12.2	0.2	0		12.4
Grid	Mm <sup>3</sup>	0.8	1.3	0.1	0	2.2
Total water <sup>1</sup>	Mm <sup>3</sup>	100.4	1.5	0.1	0	102
Discharges						
To air						
CO <sub>2</sub> fossil direct Scope 1	ktonnes	1,430	225	7	6	1,668
CO <sub>2</sub> fossil indirect Scope 2	ktonnes	125	93	16	0	234
CO <sub>2</sub> biogenic	ktonnes	3,364	15	0	-	3,380
Dust (particulate matter, PM)	tonnes	174	2	0	0	176
NO <sub>x</sub> as NO <sub>2</sub>	tonnes	2,733	77	3	4	2,818
SO <sub>x</sub> as SO <sub>2</sub>	tonnes	724	24	2	4	754
To water						
Process water	Mm <sup>3</sup>	53.0	0.5	0	-	53.6
Cooling water	Mm <sup>3</sup>	37.9	0.1	-	-	38.0
COD <sup>2</sup>	tonnes	24,957	1,502			26,459
BOD <sup>2</sup>	tonnes	9,688	468			10,157
Total suspended solids <sup>2</sup>	tonnes	4,190	430			4,620
Total nitrogen <sup>2</sup>	tonnes	509	24			534
Total phosphorous <sup>2</sup>	tonnes	58	1			59
Waste						
Total non-hazardous waste	tonnes	555,868	49,190	7,418	9,014	621,490
Landfill	tonnes	109,699	2,898	335	3,345	116,277
Recovery	tonnes	434,865	35,039	6,744	5,669	482,317
Other	tonnes	11,303	11,253	339	-	22,896
Hazardous waste	tonnes	6,829	4,021	451	22	11,323

387

1,494

503

552

890

2,046

## SMURFIT KAPPA Environmental data 2024 Operations total, The Americas

		Paper and Board Mills	Other Operations	TOTAL OPERATIONS
Production	ktonnes	1,600	3,932	5,532
Energy				
Electricity				
Co-generated	GWh	287	-	287
Self-generated	GWh	2	0	2
Hydropower	GWh	-	-	-
Solar electricity generated on site	GWh	0	1	1
Net Grid supply	GWh	667	256	923
Total electricity	GWh	955	257	1,212
Fuel usage				
Biofuels	LT	5,794	220	6,014
Fossil fuels	LT	10,685	1,629	12,314
Total fuels	LT	16,479	1,849	18,328
Water withdrawal				
Surface	Mm <sup>3</sup>	20.4	0.1	20.5
Ground	Mm <sup>3</sup>	3.8	0.5	4.2
Grid	Mm <sup>3</sup>	1.3	0.4	1.7
Total water <sup>1</sup>	Mm <sup>3</sup>	26	0.9	26.9
Discharges				
To air				
CO <sub>2</sub> fossil direct Scope 1	ktonnes	706	100	805
CO <sub>2</sub> fossil indirect Scope 2	ktonnes	172	74	245
CO <sub>2</sub> biogenic	ktonnes	586	23	609
Dust (particulate matter, PM)	tonnes	176	3	179
NO <sub>x</sub> as NO <sub>2</sub>	tonnes	1,241	41	1,282
SO <sub>x</sub> as SO <sub>2</sub>	tonnes	1,469	43	1,512
To water				
Process water	Mm <sup>3</sup>	22.4	0.2	22.7
Cooling water	Mm <sup>3</sup>	0.3	0	0.3
COD <sup>2</sup>	tonnes	8,017	381	8,398
BOD <sup>2</sup>	tonnes	1,515	82	1,596
Fotal suspended solids <sup>2</sup>	tonnes	2,331	34	2,365
Total nitrogen <sup>2</sup>	tonnes	416.1	7.3	423.3
Total phosphorous <sup>2</sup>	tonnes	23.9	0.2	24.1
Waste				
Total non-hazardous waste	tonnes	202,578	29,399	231,977
Landfill	tonnes	180,686	16,545	197,231
Recovery	tonnes	21,390	12,467	33,856

 $^{\rm 1}$  Total water includes rainwater and waste water from another organization.  $^{\rm 2}$  Sum of available data.

tonnes

tonnes

Other

Hazardous waste

All operations

## SMURFIT KAPPA Environmental data Total group operations

		2024	2023	2022	2021	2020
Energy						
Electricity						
Co-generated <sup>1</sup>	GWh	2,336	2,248	2,419	2,196	2,192
Self-generated	GWh	2	-	-	1	1
Hydropower	GWh	4	4	3	5	5
Solar electricity generated on site	GWh	18	7	5	1	1
Net grid supply	GWh	2,891	2,829	2,890	2,907	2,841
Total electricity	GWh	5,251	5,088	5,317	5,109	5,040
Fuel usage						
Biofuels	LT	37,407	37,528	37,506	37,363	36,965
Fossil fuels	LT	41,298	40,131	42,282	40,847	41,058
Fotal fuels	LT	78,705	77,659	79,787	78,210	78,023
Water withdrawal						
Surface	Mm <sup>3</sup>	105.6	109.0	117.8	116.6	120.9
Ground	Mm <sup>3</sup>	16.6	16.0	16.8	17.0	17.0
Grid	Mm <sup>3</sup>	3.8	3.9	4.3	4.0	4.0
Total water <sup>2</sup>	Mm³	128.9	131.7	141.1	140.1	144.3
Discharges						
To air						
CO <sub>2</sub> fossil direct Scope 1	ktonnes	2,473	2,415	2,541	2,500	2,545
CO <sub>2</sub> fossil indirect Scope 2	ktonnes	479	467	508	553	566
CO <sub>2</sub> biogenic	ktonnes	3,989	4,000	4,195	4,176	4,073
Dust (particulate matter, PM)	tonnes	355	397	341	344	383
NO <sub>x</sub> as NO <sub>2</sub>	tonnes	4,099	4,155	4,297	4,128	4,400
SO <sub>x</sub> as SO <sub>2</sub>	tonnes	2,266	1,972	2,108	2,176	2,395
To water						
Process water	Mm <sup>3</sup>	76.2	81.2	82.0	77.0	80.0
Cooling water	Mm <sup>3</sup>	38.3	40.0	44.9	49.3	50.8
COD <sup>2</sup>	tonnes	34,856	39,500	41,750	41,398	40,100
BOD <sup>2</sup>	tonnes	11,753	14,644	14,297	14,849	15,399
Fotal suspended solids <sup>2</sup>	tonnes	6,985	7,858	8,715	8,431	7,775
Total nitrogen <sup>2</sup>	tonnes	957	940	897	1,088	901
Total phosphorous <sup>2</sup>	tonnes	83	80	92	99	87
Waste						
Total non-hazardous waste	tonnes	853,467	867,215	955,799	915,257	856,862
Landfill	tonnes	313,508	370,935	452,757	426,106	442,038
Recovery	tonnes	516,174	478,944	488,476	475,022	405,801
Other	tonnes	23,786	17,336	14,566	14,129	9,022
Hazardous waste	tonnes	13,369	12,604	12,815	8,774	10,046

## SMURFIT KAPPA Social data

## Social citizenship (full-time employees)

	2024	2023	2022	2021	2020
Total number of employees <sup>1</sup>	46,674	46,982	48,058	48,045	46,688
of whom female (%) <sup>2</sup>	21.20%	20.60%	20%	20%	19%
Employees leaving the company <sup>3</sup>	5,028	5,221	5,421	4,919	4,017
of whom resignation and retirement (%)	62%	67%	74%	69%	64%
Employees joining the company <sup>3</sup>	4,709	4,679	5,705	5,778	4,189
Age distribution (%)					
<20 years	1%	1%	1%	1%	1%
21-30 years	16%	16%	17%	17%	16%
31-40 years	25%	24%	24%	25%	25%
41-50 years	26%	26%	27%	27%	27%
51-60 years	26%	26%	26%	26%	26%
>60 years	6%	6%	5%	5%	5%
Employees turnover (%)	12.0%	12.5%	12.7%	11.7%	9.8%
Length of service, above 11 years (%)	45%	45%	46%	46%	47%
Female in management (%)	26.7%	25.1%	23.5%	22%	22%
Parental leave	1443 employees took a parental leave, and 1254 returned from parental leave	1372 employees took a parental leave, and 1133 returned from parental leave	1423 employees took a parental leave, and 1201 returned from parental leave	1225 employees took parental leave, and 1015 returned from parental leave	1152 employees took parental leave, and 900 returned from parental leave
Of whom female <sup>4</sup>	382 female employees took parental leave, and 273 returned	421 female employees took parental leave, and 265 returned	383 female employees took parental leave, and 260 returned	371 female employees took parental leave, and 238 returned	
Average training hours per employee	24	22	21	18.7	15
By gender⁴	22.9 Male / 28.7 Female	22.2 Male / 21.4 Female	20.9 Male/ 22.5 Female	18.6 Male/ 18.9 Female	

<sup>1</sup> Based on full-time equivalent of employees and contractors.

<sup>2</sup> Based on Nul-time equivalent of employees and contractors.
 <sup>2</sup> Based on SK employees only (excluding contractors).
 <sup>3</sup> This data has been derived from Hyperion Financial Management data system (HFM). Since 2018, all countries have registered in HFM, and data accuracy has improved. This has led to an increase in the joiners and leavers data compared with 2017.
 <sup>4</sup> New indicator since 2021.

\* The amount of contractors and sub-contractors in our business is relatively small. Contractors and sub-contractors are mainly supporting us in major construction and maintenance projects and represent our external suppliers.

## SMURFIT KAPPA Social data

## Health and safety

	2024	2023	2022	2021	2020
Lost time accidents (LTA) (SK employees)	243	279	277	270	232
Lost time accidents (LTA) (contractors)	32	45	58	63	37
Days lost due to accidents (DLA) (SK employees)	10,822	9,858	8,890	9,090	9,413
Accident severity rate (ASR) (%) (SK Emloyees)	12.76%	11.56%	10.08%	10.39%	11.19%
LTA frequency rate (FR)* (SK Employees)	0.29	0.33	0.31	0.31	0.28
Total recordable injury rate	0.46	0.53	0.51	0.59	0.60
Number of restricted workday cases (RWC) (SK Employees)	58	68	68	107	104
Number of medical treatment cases (MTC) (SK Employees)	86	106	109	137	165
Number of medical treatment cases (MTC) (Contractors) <sup>1</sup>	9	11	12	9	
Total recordale injuries (LTA/RWC/MTC)	387	453	454	514	501
Fatalities					
Own employees	0	0	0	0	0
Contractors <sup>2</sup>	0	0	0	0	1
Subcontractors <sup>2</sup>	3	0	1	1	1

 $^{1}$  New indicator since 2021.

- <sup>2</sup> (Sub)Contractors have been split into Contractors and Subcontractor since 2021.
  \* The amount of contractors and sub-contractors in our business is relatively small. Contractors and sub-contractors are mainly supporting us in major construction and maintenance projects and represent our external suppliers.

## SMURFIT KAPPA Sourcing data Sustainable sourcing and sustainable fiber data

## Sustainable sourcing data

	2024	2023	2022	2021	2020
Number of audit activities <sup>1</sup>					
Suppliers of key materials	61	286	66	9	21
Tactical and other suppliers	162	1,170	55	13	25
Satisfactory scores					
Suppliers of key materials	51	179	50	8	20
Tactical and other suppliers	121	641	37	11	24

#### Sustainable fiber

	2024	2023	2022	2021	2020
Wood supplied from certified forests <sup>2</sup>	58.6%	56.8%	56.9%	56.2%	57.3%
Wood supplied from non-controversial sources <sup>2</sup>	41.4%	43.2%	43.1%	43.8%	42.7%
Paper produced as certified <sup>2</sup>	93.1%	92.8%	93.0%	92.8%	92.7%
Packaging sold as certified <sup>2</sup>	95.8%	95.5%	94.3%	93.5%	93.8%
External papers purchased through CoC certified supply chains <sup>2</sup>	99.7%	99.5%	99.2%	99.5%	99.2%
Recycled fiber in global production	76.4%	76.5%	76.2%	75.6%	75.4%

<sup>1</sup> Note: An "audit activity" could be an initial- or re-approval audit, a follow up on improvement plan, an internal audit, or an assessment by an external platform. Since October 2022, we have started to implement an online platform in our German organization for supplier assessments. Also we have started audits at our paper mills, being suppliers to our converting entities. <sup>2</sup> FSC, PEFC, or SFI CoC-certified and FSC-controlled wood.

## Protected areas and biodiversity

# Smurfit Kappa operations within or adjacent to legally protected area or to areas of high biodiversity value

AstriaSeveral is adjacent to a protect of any a solution of a protect of a pro	Location	Type plant	Specifics	Status	Area
Czech regubiic     Marwa     Paper mili     Site adjacent to a protected area     Natura 2000     Udoil Marwice CZ0813474       France	Austria				
MoranaPaper millSite adjacent to a protected areaNatura 2000Üdol Moravice C26013474FranceArfa d'AvignonPaper millSite adjacent to a protected areaNatura 2000La Rhône and FR301590AquitaineCorrugated alteSite adjacent to a protected areaNatura 2000Vallee du Ciron FR7200693AquitaineCorrugated alteSite adjacent to a protected areaNatura 2000Vallee du Ciron FR7200693Apper millSite adjacent to a protected areaNatura 2000Vallee du Bosse LeyrePaper millSite adjacent to a protected areaZNEFF type 2 Natura 2000Vallees du Borande et du BorsteBettacchCorrugated siteSite adjacent to a protected areaNatura 2000Vallees du Borande et du BorsteBettacchCorrugated siteSite adjacent to a protected areaNatura 2000Materia Site Site Site Site adjacent co a protected areaHerzbergCorrugated siteSite adjacent to a protected areaNatura 2000Sitebacr der, Rhume DE4228331HerzbergCorrugated site, so adjacent to a protected areaNatura 2000Sitebacr der, Rhume DE4228332St. LeonCorrugated site, so adjacent to a protected areaNatura 2000Sitebacr der, Rhume SiteSiteSiteSiteSiteSiteSiteSiteSiteSite	Nettingsdorf	Paper mill	Site adjacent to a protected area	Natura 2000	Hangwälder Ritzlhof AT3147000
France         Site adjacent to a protected area         Natura 2000         Le Rhône avel PR330150           Aquitaine         Corrugated site         Site adjacent to a protected area         Natura 2000         Valled du Ciron FR7200653           Aquitaine         Corrugated site         Site adjacent to a protected area         Natura 2000         Valles du Byanche et de la pastite           Facture         Paper mill         Site party located in the protected area         ZNEFF type 1         Zone inondable de la bassite.coyre           Dillarsch         Site adjacent to a protected area         ZNEFF type 2 Natura 2000         Valless du grande et de la patite Layre R7200731           Germany         Site adjacent to a protected area         Natura 2000         Agrarnam und Bergbaaf/oplendischaft           Horpsenheim         Baard converting site         Site adjacent to a protected area         Natura 2000         Sieber, oder, Rhume DE 4223331           Horpsenheim         Corrugated site         Site adjacent to a protected area         Natura 2000         Sieber, oder, Rhume DE 4223332           Siteen do corrugated site         Site adjacent to a protected area         Natura 2000         Sieber, oder, Rhume DE 4223331           Horpsenheim         Corrugated site         Site adjacent to a protected area         Natura 2000         Sieber, oder, Rhume DE 4223332           Situentstrue	Czech republic				
Affa d'Avignon         Paper nill         Site adjacent to a protected area         Natura 2000         Le Rhône avait FR3301530           Aquitaine         Corrugated site         Site adjacent to a protected area         Natura 2000         Valée du Ciron FR7200693           Aquitaine         Corrugated site         Site adjacent to a protected area         Natura 2000         Valée du Ciron FR7200693           Prefure         Paper nill         Site adjacent to a protected area         Natura 2000         Valée du Sarande et de la petite Leyree           Prefure         Paper nill         Site adjacent to a protected area         Natura 2000         Valée du Sarande et de la petite Leyree           Corrusante         User on und Berghauf-folgelandichaft         Leyree FR7200721         Natura 2000         Matterse Fruch siddlich Heppetite           Corrusante         Site adjacent to a protected area         Natura 2000         Matterse Fruch siddlich Heppetite           Heppetitelin         Board converting site         Site adjacent to a protected area         Natura 2000         Sieber, oder, Rhume DE 4228351           Heppetitelin         Corrugated site         Site adjacent to a protected area         Natura 2000         Sieber, oder, Rhume DE 4228351           Leenburg         Corrugated site         Site adjacent to a protected area         Natura 2000         Sieber, oder, Rhume DE 4228351 <td>Morava</td> <td>Paper mill</td> <td>Site adjacent to a protected area</td> <td>Natura 2000</td> <td>Údolí Moravice CZ0813474</td>	Morava	Paper mill	Site adjacent to a protected area	Natura 2000	Údolí Moravice CZ0813474
Aquitaine         Corrugated site         Site adjacent to a protected area         Natura 2000         Valiée du Ciron FR7200693           Aquitaine         Aguitaine         Zone inondable de la base Leyre         Zone inondable de la base Leyre           Facture         ZINEFF type 2 Natura 2000         Caleise da la grande et de la petite Leyre           Ederamy         LPO ZICO         Valiées de la grande et de la petite Leyre           Delitasch         Corrugated site         Site adjacent to a protected area         Natura 2000         Agrarsam und Bergbanglegelendschaft.           Heppenheim         Bourd converting site         Site adjacent to a protected area         Natura 2000         Sieber, deir, Bhume DE 4228331           Harzenrug         Sactivites locard mill, paint         Site adjacent to a protected area         Natura 2000         Sieber, deir, Bhume DE 4228332           Leenburg         Corrugated site         Site adjacent to a protected area         Natura 2000         Sieber, deir, Bhume DE 4228331           Site adjacent to a protected area         Natura 2000         Sieber, deir, Bhume DE 4228312           Site adjacent to a protected area         Natura 2000         Sieber, deir, Bhume DE 4228312           Site adjacent to a protected area         Natura 2000         Sieber, deir, Bhume DE 4228312           Site adjacent to a protected area         Natura 2000 <t< td=""><td>France</td><td></td><td></td><td></td><td></td></t<>	France				
Facture         Stepartylocated in the protected area         ZNEFF type 1         Zone inondable de labase. Leyre           Paper mill         Site partylocated in the protected area         FO ZICO         Vallées de la grande et de la petite de la petite de la petite de la grande et de la grande et de la petite de	Alfa d'Avignon	Paper mill	Site adjacent to a protected area	Natura 2000	Le Rhône aval FR9301590
Paper mill         Paper mill         Expeript located in the protected area         ZMEFF type 2 Natura 2000         Vallees de la grande et de la petite Leyre           IPO ZICO         Vallees de la grande et de la petite Leyre         AN1           Germany         IPO ZICO         Vallees de la grande et de la petite Leyre           Delitzsch         Corruagted site         Site adjacent to a protected area         Natura 2000         Agarraum und Regaund/gelandschaft           Heppenheim         Board converting site         Site adjacent to a protected area         Natura 2000         Bielser, DEA Sidlich Heppenheim           Herzberg         Sativites (Board mill) corrung ted site, and corrugated site, and corrugate	Aquitaine	Corrugated site	Site adjacent to a protected area	Natura 2000	Vallée du Ciron FR7200693
Pattern Paper mill         Stepartiylocated in the protect data         Inter Yappa Yakadi 2000         Leyre FR7200721           LP0 ZICO         Valless de la grande et de la petitle Layre         AN1           Germany         Inter or protect data         Natura 2000         Ágrarmun und Bergbard/oplandschaft.           Beltrsch         Corrungted site         Site adjacent to a protected area         Natura 2000         Ágrarmun und Bergbard/oplandschaft.           Hapenheim         Bord converting site         Site adjacent to a protected area         Natura 2000         Élever, eff. 2002           Harzberg         Corrugated site, and converting plant         Site adjacent to a protected area         Natura 2000         Elever, eff. 2002           Luenburg         Corrugated site, and converting plant         Site adjacent to a protected area         Natura 2000         Elever, eff. 2002           Site Laon         Corrugated site         Site adjacent to a protected area         Natura 2000         Elever, eff. 2002           Wersen         Paper mill         Site adjacent to a protected area         Natura 2000         Elever, eff. 2002           Teyler         Paper mill         Site adjacent to a protected area         Natura 2000         Elever, eff. 2002           Teyler         Paper mill         Site adjacent to a protected area         Natura 2000         Machina La				ZNIEFF type 1	Zone inondable de la basse Leyre
Leng Lip 2/CO         Valles de la grande et de la petite Lega           Ramay         Ramay         Site adjacent to a protected area         Natura 2000         Agraramu und Bergbaufolgelandschaft del Delfizsch DE4439452           Happenheim         Board converting site         Site adjacent to a protected area         Natura 2000         Diltarer Proches Judich Hoppenheim           Harzberg         3 activites (board mill, converting jehnt)         Beard converting site         Site adjacent to a protected area         Natura 2000         Sieber, oder, Rhume DE 422331           Luenburg         3 activites (board mill, converting jehnt)         Beard activites (board mill, converting jehnt)         Natura 2000         Sieber, oder, Rhume DE 422331           Luenburg         Corrugated site, and converting jehnt)         Site adjacent to a protected area         Natura 2000         Beard Hohem Elbufer von Tesperhude bis Lauenburg mit angr, FL DE2628352           Site Leon         Corrugated site         Site adjacent to a protected area         Natura 2000         Karlsdoor DE2717341           Wreaen         Peper mill         Site adjacent to a protected area         Natura 2000         Karlsdoor DE2717341           Merene         Peper mill         Site adjacent to a protected area         Natura 2000         Karlsdoor DE2717341           Nature 2000         Corrugated site         Site adjacent to a protected area         Natu	Facture	Paper mill	Site partly located in the protected area	ZNIEFF type 2 Natura 2000	
Germany         Delitzsch       Corruagted site       Site adjacent to a protected area       Natura 2000       Agrarraum und Berghaufolgelandschaft bel Delitzsch DE 4433452         Happenheim       Board converting site       Site adjacent to a protected area       Natura 2000       Delitzsch         Harzberg       Sactivities (board mill, corrugated site, and converting plant)       Site adjacent to a protected area       Natura 2000       Sieber, oder, Rhume DE 4228331         Lawenburg       Corrugated site, and converting plant)       Site adjacent to a protected area       Natura 2000       Delimeth Hohen Elbufer von Tespenheim Delimethorm (Elbufer von Tespenheim Bistendigen elbufer von Tespenheim Bistendigen				LPO ZICO	Vallées de la grande et de la petite Leyre
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St. Leon     Corrugated site     Site adjacent to a protected area     Natura 2000     Karlsdorf DE6717341       Wrexen     Paper mill     Site adjacent to a protected area     Natura 2000     Gebiet DE4420304       Vogelschutzgebiet Egge DE4419401     Vogelschutzgebiet Egge DE4419401     Vogelschutzgebiet Egge DE4419401       The Netherlands     Faper mill     Site adjacent to a protected area     Natura 2000     Rijntakken NL2014038       Veluwe NL3009017     Site adjacent to a protected area     Natura 2000     Voluwe NL3009017       Spain     Veluwe NL3009017     Voluwe NL3009017       Vigo     Corrugated site     Site adjacent to a protected area     Natura 2000     Urkiola Natural Park ES213009       Vigo     Corrugated site     Site adjacent to a protected area     Natura 2000     Gándaras de Budiño ES1140011       Sweden     Site adjacent to a protected area     Natura 2000     Abullahagen SE0430119       Eslóv     Corrugated site     Site adjacent to a protected area     Natura 2000     Abullahagen SE0430119	Lauenburg	Corrugated site	Site adjacent to a protected area	Natura 2000	
Wreen       Paper mill       Steadjacent to a protected area       Natura 2000       Cogelschutzgebiet Egge DE4419401         The Netherlands       The Netherlands       Rijntakken NL2014038       Rijntakken NL2014038         Paper mill       Bagern till angenet to a protected area       Natura 2000       Rijntakken NL2014038         Paper mill       Bagern till angenet to a protected area       Natura 2000       Natura 0000         Spain       Steadjacent to a protected area       Natura 2000       Urkiola Natural Park ES213009         Nigo       Corrugated site       Site adjacent to a protected area       Natura 2000       Gándaras de Budiño ES1140011         Sweden       Steadjacent to a protected area       Natura 2000       Abullahagen SE0430119         Elsöv       Corrugated site       Site adjacent to a protected area       Natura 2000       Abullahagen SE0430119         Weltkitverkaren       Corrugated site       Site adjacent to a protected area       Natura 2000       Abullahagen SE0430119	St. Leon	Corrugated site	Site adjacent to a protected area	Natura 2000	
The Netherlands         Parenco       Rijntakken NL2014038       Rijntakken NL2014038         Spain       Veluwe NL3009017       Veluwe NL3009017         Nervión       Paper mill       Site adjacent to a protected area       Natura 2000       Urkiola Natural Park ES213009         Vigo       Corrugated site       Site adjacent to a protected area       Natura 2000       Gándaras de Budiño ES1140011         Sweden       Site adjacent to a protected area       Natura 2000       Abullahagen SE0430119         Kelltilverkaren       Corrugated site       Site adjacent to a protected area       Natura 2000	Wreven	Paner mill	Site adjacent to a protected area	Natura 2000	Gebiet DE4420304
Parenco         Rijntakken NL2014038           Veluwe NL3009017           Spain           Nervión         Paper mill         Site adjacent to a protected area         Natura 2000         Urkiola Natural Park ES213009           Vigo         Corrugated site         Site adjacent to a protected area         Natura 2000         Gándaras de Budiño ES1140011           Sweden         Eslöv         Corrugated site         Site adjacent to a protected area         Natura 2000         Abullahagen SE0430119           Welltilverkaren         Corrugated site         Site adjacent to a protected area         Natura 2000         Abullahagen SE0430119					Vogelschutzgebiet Egge DE4419401
Parenco     Paper mill     Site adjacent to a protected area     Natura 2000       Spain       Nervión     Paper mill     Site adjacent to a protected area     Natura 2000       Vigo     Corrugated site     Site adjacent to a protected area     Natura 2000       Sweden       Eslöv     Corrugated site     Site adjacent to a protected area     Natura 2000       Velue     Natura 2000     Gándaras de Budiño ES1140011       Sweden     Site adjacent to a protected area     Natura 2000     Abullahagen SE0430119       Veluiverkaren     Corrugated site     Site adjacent to a protected area     Natura 2000     Abullahagen SE0430119	The Netherlands				
Spain     Veluwe NL3009017       Nervión     Paper mill     Site adjacent to a protected area     Natura 2000     Urkiola Natural Park ES213009       Vigo     Corrugated site     Site adjacent to a protected area     Natura 2000     Gándaras de Budiño ES1140011       Sweden     Eslöv     Corrugated site     Site adjacent to a protected area     Natura 2000     Abullahagen SE0430119       Weltiverkaren     Corrugated site     Site adjacent to a protected area     Natura 2000     Abullahagen SE0430119	Parenco	Paper mill	Site adjacent to a protected area	Natura 2000	Rijntakken NL2014038
Nervión       Paper mill       Site adjacent to a protected area       Natura 2000       Urkiola Natural Park ES213009         Vigo       Corrugated site       Site adjacent to a protected area       Natura 2000       Gándaras de Budiño ES1140011         Sweden       Eslöv       Corrugated site       Site adjacent to a protected area       Natura 2000       Abullahagen SE0430119         Welltilverkaren       Corrugated site       Site adjacent to a protected area       Natura 2000       Abullahagen SE0430119					Veluwe NL3009017
Vigo       Corrugated site       Site adjacent to a protected area       Natura 2000       Gándaras de Budiño ES1140011         Sweden       Eslöv       Corrugated site       Site adjacent to a protected area       Natura 2000       Abullahagen SE0430119         Welltilverkaren       Corrugated site       Site adjacent to a protected area       Natura 2000       Abullahagen SE0430119	Spain				
Sweden       Site adjacent to a protected area       Natura 2000       Abullahagen SE0430119         Welltilverkaren       Corrugated site       Site adjacent to a protected area       Natura 2000       Abullahagen SE0430119	Nervión	Paper mill	Site adjacent to a protected area	Natura 2000	Urkiola Natural Park ES213009
Eslöv       Corrugated site       Site adjacent to a protected area       Natura 2000       Abullahagen SE0430119         Welltilverkaren       Corrugated site       Site adjacent to a protected area       Natura 2000       Abullahagen SE0430119	Vigo	Corrugated site	Site adjacent to a protected area	Natura 2000	Gándaras de Budiño ES1140011
Welltilverkaren     Corrugated site     Site adjacent to a protected area     Natura 2000     Abullahagen SE0430119	Sweden				
	Eslöv	Corrugated site	Site adjacent to a protected area	Natura 2000	Abullahagen SE0430119
Piteå     Paper mill     Site adjacent to a protected area     Natura 2000     Svensbyfjärden SE0820711	Welltilverkaren	Corrugated site	Site adjacent to a protected area	Natura 2000	Abullahagen SE0430119
	Piteå	Paper mill	Site adjacent to a protected area	Natura 2000	Svensbyfjärden SE0820711

## Protected areas and biodiversity

## Smurfit Kappa operations within or adjacent to legally protected area or to areas of high biodiversity value

Some other sites are adjacent to sites protected by national or local status:

Location	Type plant	Specifics	Status	Area
Belgium				
Turnhout	Corrugated site	Site adjacent to a protected area	National legislation	Nature reserve "Frans Segers"
Denmark				
Kolding	Corrugated site	Site adjacent to a protected area	National legislation	Kolding Havn
Ecuador				
Ecuador sacks	Sack plant	Site adjacent to a protected area	Local legislation	Cerro blanco forest (White forest hill)
France				
Dore	Corrugated site	Site located in a protected area	Local legislation	parc naturel régional Livradois-Forez
Germany				
Ноуа	Paper mill	Site adjacent to a protected area	National legislation	2 : Wiedsee & Bürgerpark
Lübeck	Corrugated site	Site adjacent to a protected area	National legislation	Schellbruch
Schneverdingen	Corrugated site	Site located in a protected area	Local legislation	Water reserve
The Netherlands				
R. Eindhoven	Corrugated site	Site located in a protected area	Local legislation	Philips de Jongh park
United kingdom				
Townsend Hook	Paper mill	Site adjacent to a protected area	Local legislation	Holborough and Burham Marshes SSSI

Water courses where Smurfit Kappa withdraws or releases water that are classified 'Sensitive' or 'Protected': Piteå paper mill in Sweden discharges process water in the estuary Vargödraget, which is classified as protected area Natura 2000 (SE 0820330)

## Recycling and fiber sourcing

Recycling at paper mills and recovered materials at recycling operations, Global

		FY2019	FY2023		CY2024	
Production						
Total production	Tons	15,218,523	12,8	20,853	13,02	21,711
Virgin Wood Fiber Procured						
United States	Tons	35,655,428	25,7	19,745	25,19	98,505
Canada	Tons	1,731,436	1,27	7,428	1,76	0,219
Brazil	Tons	1,858,118	2,56	54,348	2,57	0,361
Total	Tons	39,244,982	29,5	61,521	29,52	29,085
Fiber Sourced			Virgin	Recycled	Virgin	Recycled
All	Tons		59%	41%	60%	40%
Consumer mills	Tons		74%	26%	77%	23%
Corrugated mills	Tons		56%	44%	55%	45%
Recycled Fiber Used						
North American recycled tons used by WestRock	Tons	5,432,613	4,75	57,773	4,57	0,757
Percentage of total recycled fiber tons managed	Tons	67%	7	5%	77%	
Volume of Fiber Managed						
Recycled tons used by WestRock	Tons	5,432,613	4,75	57,773	4,570,757	
Sold externally	Tons	2,669,387	1,56	60,382	1,34	4,405
Percentage of total fiber tons managed	Tons	67%	7	5%	7	7%
Volume of Recyclables Managed						
Fiber	Tons	8,102,000	6,318,155		5,91	5,162
Plastic	Tons	59,000	29	,920	28	,408
Aluminum	Tons	7,600	3,	322	3,	233
Other non-fiber	Tons	37,100	43	,311	108	3,023
Total	Tons	8,205,700	6,39	4,708	6,05	4,826

These tables include CY2024 legacy WestRock data for the full year ended December 31, 2024. They also include prior year data for FY2019 and FY2023 based on legacy WestRock's fiscal years ending September 30. FY2019 and FY2023 data in these tables has not been restated, with the exception of GHGs, to reflect recent acquisitions and divestitures.

All indicators measured using the Metric System will be stated as 'ktonnes'. All indicators that reference 'tons' are measured as U.S. short tons. All waste-related and fiber tons are dry tons except for virgin wood fiber, which is measured in green tons.

## Energy

All operations							
		FY2019	FY20	)23	CY20	24	
Energy Used							
Total renewable energy used	MMBTU	212,547,241	166,526,977		159,105,584		
Total non-renewable used	MMBTU	109,302,860	108,532,191		104,41	104,415,339	
Total energy used	MMBTU	321,850,101	294,136,172		284,911,157		
Purchase fuel energy efficiency	MMBTU / ton	12.70	13.17		12.62		
Electricity, steam and heat purchased	MMBTU	22,943,540	24,007,727		25,167,585		
Electricity, steam and heat sold	MMBTU	(2,099,762)	(4,930,723)		(3,777,351)		
Energy Mix	MMBTU	Percentage	MMBTU	Percentage	MMBTU	Percentage	
Renewable	212,547,241	66%	166,526,976	61%	159,105,584	60%	
Non-renewable	109,302,860	34%	108,532,190	39%	104,415,339	40%	
-Natural gas	87,251,187	81%	86,067,120	84%	86,013,345	89%	
-Coal	18,688,096	17%	14,017,875	14%	9,748,199	10%	
-Fuel oil	2,078,263	2%	1,887,915	2%	1,316,148	1%	

#### Emissions

All operations

		FY2019	FY2023	CY2024
GHG Emissions				
Scope 1 - Direct emissions	CO <sub>2</sub> e (ktonnes)	6,411	5,997	5,674
Scope 2 - Indirect emissions - location	CO <sub>2</sub> e (ktonnes)	1,863	1,684	1,746
Scope 2 - Indirect emissions - market	CO <sub>2</sub> e (ktonnes)	2,968	2,327	2,300
Total emissions: Scopes 1 and 2 market-based	CO <sub>2</sub> e (ktonnes)	9,379	8,324	7,974
GHG emissions intensity	tCO2e /ton	0.56	0.58	0.55
Biogenic emissions	CO <sub>2</sub> (ktonnes)	19,952	16,451	15,358
Scope 3 relevant emissions (Categories 1, 2, 3, 4, 9, 10, 12)	CO <sub>2</sub> e (ktonnes)	11,399	9,653	9,452
Air emissions, paper mills only				
NO <sub>x</sub>	Tons	24,205	21,142	19,778
so <sub>x</sub>	Tons	9,838	7,556	5,799

## Water

	FY2019	FY2023	CY2024
megaliters	575,342	525,124	470,201
megaliters	505,139	483,366	445,060
megaliters	70,202	41,758	25,141
megaliters/ton	0.038	0.041	0.036
megaliters	335,669	320,440	312,248
megaliters	128,930	118,842	129,812
megaliters	110,054	85,842	28,141
1000 lbs	21,873	19,526	18,457
1000 lbs	28,530	29,751	27,002
	megaliters megaliters megaliters/ton megaliters megaliters megaliters megaliters megaliters 1000 lbs	megaliters575,342megaliters505,139megaliters70,202megaliters/ton0.038megaliters/ton0.038megaliters335,669megaliters128,930megaliters110,0541000 lbs21,873	megaliters         575,342         525,124           megaliters         505,139         483,366           megaliters         70,202         41,758           megaliters/ton         0.038         0.041           megaliters/ton           megaliters           megaliters           megaliters           megaliters           megaliters           128,930           megaliters           1000 lbs           21,873

## Waste

Paper mills				
		FY2019	FY2023	CY2024
Mill Waste Generation				
Landfill	Tons	913,541	708,378	694,211
Waste-to-energy	Tons	250,534	247,340	227,237
Beneficial use	Tons	216,409	233,141	269,335
Significant spills	Tons		-	-
Environmental management systems ISO14001- certified sites	Tons		22	22

## Safety and training

All employees				
		FY2019	FY2023	CY2024
Safety				
OSHA rate (recordable injuries per 100 employees)		1.68	1.52	1.34
LWD rate (number of LWD per 100 employees)		15.04	18.47	22.43
Life-changing events total (count)		36	5	15
-Amputation			3	11
-Burn			1	0
-Degloving			0	0
-Fractures			1	2
-Fatalities			0	2
Training				
Total training hours			557,244	602,035
Training hours per employee			11	14
Traning spend				
Total training spend	USD		\$3,215,208	\$1,901,319
Training spend per employee	USD		61	44

## Employees

All employees			
		FY2023	CY2024
New Hires			
Total		22,897	14,001
	Male	16,959	10,456
Gender	Female	5,938	3,545
	North America	9,606	8,368
	Asia/Pacific	118	170
Region	EMEA	652	361
	Latin America	12,521	5,102
	Under 30	8,641	5,953
Age group	30-50	11,522	6,687
	Over 50	2,734	1,361
Turnover			
Total		17,863	15,934
	Male	13,469	11,823
Gender	Female	4,394	4,111
	North America	12,355	9,706
	Asia/Pacific	190	209
Region	EMEA	688	625
	Latin America	4,630	5,394
	Under 30	5,607	5,278
Age group	30-50	8,223	7,311
	Over 50	4,033	3,345
All Employees			
Gender	Male	42,140	40,665
Gender	Female	12,735	12,352
	North America	36,490	34,870
Decise	Asia/Pacific	1,453	1,419
Region	EMEA	5,480	5,368
	Latin America	11,452	11,360
	Under 30	9,132	8,578
Age group	30-50	27,653	27,079
	Over 50	18,090	17,360
Employee type	Hourly	39,276	38,125
Employee type	Salaried	15,599	14,892