

# Key Performance Indicators

## Energy Consumption within the Companies of Schwarz Group

	FY	Lidl	Kaufland	PreZero	Schwarz Produktion	Schwarz Dienstleistungen	Schwarz Group
<b>Total energy consumption in MWh<sup>1,2,3</sup></b>	2020	6,363,509	2,967,565	426,656	459,412	68,046	10,285,187
	2021	7,044,475	3,103,458	461,798	479,205	77,546	11,166,481
	<b>2022</b>	<b>7,836,676</b>	<b>3,062,612</b>	<b>1,574,811</b>	<b>516,844</b>	<b>83,497</b>	<b>13,074,441</b>
from renewable sources	2020	3,278,802	329,001	78,847	1,285	231	3,688,166
	2021	4,645,134	455,124	84,603	2,714	117	5,187,691
	<b>2022</b>	<b>6,227,174</b>	<b>2,271,982</b>	<b>408,170</b>	<b>320,999</b>	<b>38,460</b>	<b>9,266,786</b>
from non-renewable sources	2020	3,084,707	2,638,564	347,808	458,127	67,815	6,597,021
	2021	2,399,341	2,648,333	377,195	476,491	77,429	5,978,790
	<b>2022</b>	<b>1,609,501</b>	<b>790,630</b>	<b>1,166,641</b>	<b>195,845</b>	<b>45,038</b>	<b>3,807,655</b>
<b>Electricity</b>	2020	5,247,782	2,211,663	237,607	298,165	40,226	8,035,442
	2021	5,802,596	2,270,256	172,543	299,943	46,201	8,591,539
	<b>2022</b>	<b>6,232,177</b>	<b>2,281,513</b>	<b>431,248</b>	<b>323,767</b>	<b>38,661</b>	<b>9,307,366</b>
from renewable sources	2020	3,278,802	329,001	78,847	1,285	231	3,688,166
	2021	4,645,134	455,124	52,282	2,714	117	5,155,371
	<b>2022</b>	<b>6,226,508</b>	<b>2,271,640</b>	<b>348,196</b>	<b>320,999</b>	<b>38,460</b>	<b>9,205,803</b>
Outsourcing	2020	3,190,939	324,764	78,847	0	0	3,594,551
	2021	4,503,064	448,811	52,282	0	0	5,004,157
	<b>2022</b>	<b>6,004,360</b>	<b>2,261,638</b>	<b>274,800</b>	<b>317,331</b>	<b>11,891</b>	<b>8,870,020</b>
Self-consumption from self-generation	2020	87,863	4,237	0	1,285	231	93,616
	2021	142,070	6,313	0	2,714	117	151,214
	<b>2022</b>	<b>222,147</b>	<b>10,002</b>	<b>73,396</b>	<b>3,669</b>	<b>638</b>	<b>309,853</b>

1 | In principle, for reasons of control relevance, we report all energy key performance figures in the unit megawatt-hour (MWh).

2 | Discrepancies from the publication in the Sustainability Report FY 2020/21 are a result of retrospective corrections due to additional data availability.

3 | Due to values being rounded, there may be slight discrepancies in the totals.

	FY	Lidl	Kaufland	PreZero	Schwarz Produktion	Schwarz Dienstleistungen	Schwarz Group
from non-renewable sources	2020	1,968,980	1,882,661	158,759	296,881	39,995	4,347,276
	2021	1,157,462	1,815,132	120,260	297,230	46,084	3,436,168
	<b>2022</b>	<b>5,669</b>	<b>9,872</b>	<b>83,052</b>	<b>2,768</b>	<b>202</b>	<b>101,564</b>
Outsourcing	2020	1,968,980	1,882,661	158,759	293,684	39,995	4,344,080
	2021	1,157,462	1,812,805	120,260	294,751	46,084	3,431,362
	<b>2022</b>	<b>5,669</b>	<b>3,553</b>	<b>24,548</b>	<b>0</b>	<b>202</b>	<b>33,972</b>
Self-consumption from self-generation	2020	0	0	0	3,196	0	3,196
	2021	0	2,327	0	2,479	0	4,806
	<b>2022</b>	<b>0</b>	<b>6,319</b>	<b>58,505</b>	<b>2,768</b>	<b>0</b>	<b>67,591</b>
District heating	2020	76,928	90,192	285	0	1,667	169,073
	2021	83,648	96,079	1,385	0	4,049	185,161
	<b>2022</b>	<b>80,756</b>	<b>85,384</b>	<b>3,782</b>	<b>0</b>	<b>5,677</b>	<b>175,599</b>
Natural gas	2020	583,851	527,769	22,366	148,086	5,890	1,287,963
	2021	607,791	579,912	21,670	156,224	2,465	1,368,062
	<b>2022</b>	<b>545,817</b>	<b>516,250</b>	<b>54,235</b>	<b>165,848</b>	<b>1,524</b>	<b>1,283,673</b>
Other gases <sup>4</sup>	2020	0	0	303	0	0	303
	2021	0	679	246	6,228	0	7,153
	<b>2022</b>	<b>217</b>	<b>770</b>	<b>2,339</b>	<b>5,869</b>	<b>0</b>	<b>9,195</b>
Heating oil <sup>5</sup>	2020	0	37,454	771	0	0	38,225
	2021	3,999	41,267	9,227	3,001	0	57,494
	<b>2022</b>	<b>10,595</b>	<b>38,674</b>	<b>20,210</b>	<b>5,803</b>	<b>0</b>	<b>75,282</b>
Wood pellets	2020	0	0	0	0	0	0
	2021	0	0	1,551	0	0	1,551
	<b>2022</b>	<b>0</b>	<b>0</b>	<b>1,616</b>	<b>0</b>	<b>0</b>	<b>1,616</b>

4 | Includes propane and LPG.

5 | Conversion of liters into MWh with a combined factor from IPCC 2006 and GHG Protocol Cross Sector Tools (heating oil: 0.010561).

	FY	Lidl	Kaufland	PreZero	Schwarz Produktion	Schwarz Dienstleistungen	Schwarz Group
Emergency power systems and sprinkler systems – heating oil	2020	0	0	0	0	0	0
	2021	0	0	0	0	0	0
	<b>2022</b>	<b>4,355</b>	<b>3,953</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,308</b>
Emergency power systems and sprinkler systems – diesel	2020	0	0	0	0	0	0
	2021	0	0	0	0	0	0
	<b>2022</b>	<b>15,988</b>	<b>2,914</b>	<b>33</b>	<b>0</b>	<b>0</b>	<b>18,936</b>
Emergency power systems and sprinkler systems – biodiesel	2020	0	0	0	0	0	0
	2021	0	0	0	0	0	0
	<b>2022</b>	<b>667</b>	<b>342</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,009</b>
Emergency power systems and sprinkler systems – HVO	2020	0	0	0	0	0	0
	2021	0	0	0	0	0	0
	<b>2022</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Hard coal	2020	0	0	0	0	0	0
	2021	0	0	403	0	0	403
	<b>2022</b>	<b>0</b>	<b>0</b>	<b>924</b>	<b>0</b>	<b>0</b>	<b>924</b>
Mobile combustion <sup>6,7,8</sup>	2020	454,947	100,487	165,323	13,160	20,262	754,181
	2021	546,441	115,264	254,773	13,810	24,831	955,119
	<b>2022</b>	<b>946,103</b>	<b>132,813</b>	<b>1,060,424</b>	<b>15,557</b>	<b>37,635</b>	<b>2,192,532</b>
from renewable sources	2020	0	0	0	0	0	0
	2021	0	0	30,769	0	0	30,769
	<b>2022</b>	<b>0</b>	<b>0</b>	<b>58,358</b>	<b>0</b>	<b>0</b>	<b>58,358</b>
from non-renewable sources	2020	454,947	100,487	165,323	13,160	20,262	754,181
	2021	546,441	115,264	224,004	13,810	24,831	924,349
	<b>2022</b>	<b>946,103</b>	<b>132,813</b>	<b>1,002,065</b>	<b>15,557</b>	<b>37,635</b>	<b>2,134,174</b>

6 | Fuels for own company cars and internal logistics.

7 | Conversion of liters into MWh with combined factor from IPCC 2006, GHG Protocol Cross Sector Tools and CDP Technical Note: Conversion of fuel data to MWh (gasoline: 0.009585/Diesel: 0.010561/Biodiesel: 0.006711).

8 | Conversion of kg into MWh with combined factor from IPCC 2006, GHG Protocol Cross Sector Tools, CDP Technical Note: Conversion of fuel data to MWh and DEFRA 2021 (CNG/LNG: 0.01481/LPG: 0.014599).

## Percentage of Renewable Energy<sup>1</sup>

FY	Lidl	Kaufland	PreZero	Schwarz Produktion	Schwarz Dienstleistungen	Schwarz Group
2020	62.5 %	14.9 %	33.2 %	0.4 %	0.6 %	45.9 %
2021	80.1 %	20.0 %	30.3 %	0.9 %	0.3 %	60.0 %
<b>2022</b>	<b>99.9 %</b>	<b>99.6 %</b>	<b>80.7 %</b>	<b>99.1 %</b>	<b>99.5 %</b>	<b>98.9 %</b>

<sup>1</sup> | The data shows the percentage in regard to total electricity consumed (incl. self-generated electricity from combined heat and power plant), not just the percentage in regard to total electricity purchased.

## Total Energy Consumption per Employee

in MWh/employee

FY	Lidl	Kaufland	PreZero	Schwarz Produktion	Schwarz Dienstleistungen	Schwarz Group
2020	19	22	102	132	12	21
2021	19	22	39	125	12	21
<b>2022</b>	<b>20</b>	<b>20</b>	<b>58</b>	<b>126</b>	<b>10</b>	<b>23</b>

## Self-generation of Renewable Energies from Photovoltaic Systems

Schwarz Group	Unit	2020	2021	2022	2021/22 delta
<b>Buildings with photovoltaic systems</b>	Number	1,305	1,886	<b>2,485</b>	+31.8 %
<b>Photovoltaic systems area</b>	m <sup>2</sup>	988,768	1,608,018	<b>2,442,361</b>	+51.9 %
corresponds to... soccer pitches <sup>1</sup>	Number	138	225	<b>342</b>	+51.9 %
<b>Photovoltaic systems performance<sup>2</sup></b>	kWp	-	271,834	<b>485,471</b>	+78.6 %
<b>Buildings with solar power systems for heat generation</b>	Number	113	120	<b>126</b>	+5.0 %
<b>Electricity self-generated renewable energies from PV systems<sup>3</sup></b>	MWh	129,443	194,869	<b>295,769</b>	+51.8 %
of which renewable energies fed into electricity grid	MWh	35,828	43,655	<b>213,070</b>	+388.1 %

<sup>1</sup> | When converting the area into the comparison figure of equivalent soccer pitches, an average soccer pitch area of 7,150 m<sup>2</sup> was used for the calculation.

<sup>2</sup> | Was collected for the first time for FY 21. Therefore, there are no values for FY 20.

<sup>3</sup> | Incl. generation of electricity from biogas plant.

## Volumes of Greenhouse Gas Emissions<sup>1-5</sup>

		FY	Lidl	Kaufland	PreZero	Schwarz Produktion	Schwarz Dienstleistungen	Schwarz Group <sup>6</sup>
<b>Total</b>	<b>Gross volume of GHG emissions in tons of CO<sub>2</sub> equivalent</b>	2020	122,497,672	33,647,255	959,195	1,620,319	461,526	159,185,967
		2021	125,136,389	33,823,862	2,096,148	1,717,156	380,594	163,154,150
		<b>2022</b>	<b>127,560,353</b>	<b>34,242,781</b>	<b>3,012,193</b>	<b>2,005,294</b>	<b>303,894</b>	<b>165,323,139</b>
<b>Scope 1</b>	<b>Direct GHG emissions in tons of CO<sub>2</sub> equivalent (scope 1)</b>	2020	400,598	403,467	322,091	32,314	6,774	1,165,244
		2021	435,420	405,507	411,105	36,053	8,389	1,296,473
		<b>2022</b>	<b>547,589</b>	<b>400,569</b>	<b>1,005,784</b>	<b>36,835</b>	<b>9,778</b>	<b>2,000,556</b>
	<b>Volatile gases</b>	2020	169,624	269,590	100,910	133	0	540,257
		2021	174,382	256,490	155,646	2,129	0	588,647
		<b>2022</b>	<b>157,518</b>	<b>260,975</b>	<b>214,569</b>	<b>70</b>	<b>0</b>	<b>633,131</b>
	<b>Mobile combustion</b>	2020	116,093	26,460	42,854	3,375	5,700	194,482
		2021	141,257	31,018	55,682	3,543	7,940	239,440
		<b>2022</b>	<b>280,504</b>	<b>33,724</b>	<b>250,900</b>	<b>3,981</b>	<b>9,501</b>	<b>578,609</b>
	<b>Stationary combustion</b>	2020	114,881	107,417	178,327	28,806	1,074	430,505
		2021	119,781	118,000	199,776	30,380	449	468,386
		<b>2022</b>	<b>109,568</b>	<b>105,871</b>	<b>540,316</b>	<b>32,783</b>	<b>278</b>	<b>788,815</b>

1 | Analyzed sources for the emission factors: International organizations (e.g., IEA, IPCC), LCA databases (e.g., Ecoinvent), diff. national institutions (e.g., DBEIS/DEFRA), and industrial associations and organizations (e.g., PlasticsEurope, FEFCO).

2 | Discrepancies in the climate footprint 2020 and 2021 from the Sustainability Report FY 2020/21 are a result of retrospective corrections due to additional data availability.

3 | Due to values being rounded, there may be slight discrepancies in the totals.

4 | Due to immateriality, the emissions of GHG categories 3.8, 3.13, 3.14, and 3.15 are not accounted.

5 | Due to the inorganic growth of the companies of Schwarz Group and methodological adjustments, we are currently working on a new calculation for our base year FY 2019 and the previous years (FY 2020–2021). A direct comparison with the previous years therefore can currently not be undertaken.

6 | In order to avoid duplicate accounting of emissions in the joint carbon footprint of the companies of Schwarz Group, the product emissions for products from Schwarz Produktion that appear both in the Schwarz Produktion carbon footprint and in the retail divisions' carbon footprints are only considered once for aggregation into the group carbon footprint. This also means that the individual totals of the divisions do not correspond to the values of Schwarz Group in the corresponding categories.

7 | Scope-2 emissions according to the market-based approach were used for the total calculation of (operational) GHG emissions.

	FY	Lidl	Kaufland	PreZero	Schwarz Produktion	Schwarz Dienstleistungen	Schwarz Group <sup>6</sup>		
Scope 2	Indirect GHG emissions in tons of CO <sub>2</sub> equivalent (scope 2) including electricity acc, to market-based approach	2020	560,910	697,561	25,036	138,132	10,249	1,431,887	
		2021	501,040	566,103	40,135	137,472	10,535	1,255,284	
		<b>2022</b>	<b>17,207</b>	<b>21,783</b>	<b>25,299</b>	<b>0</b>	<b>1,449</b>	<b>65,738</b>	
	Indirect GHG emissions in tons of CO <sub>2</sub> equivalent (scope 2) including electricity acc, to location-based approach	2020	1,614,048	961,771	33,663	117,885	16,464	2,743,830	
		2021	1,607,305	892,446	41,898	102,072	16,954	2,660,675	
		<b>2022</b>	<b>1,549,862</b>	<b>801,726</b>	<b>87,755</b>	<b>99,229</b>	<b>13,285</b>	<b>2,551,857</b>	
	District heating	2020	16,122	22,169	112	0	410	38,813	
		2021	16,782	23,616	340	0	995	41,734	
		<b>2022</b>	<b>16,420</b>	<b>20,987</b>	<b>930</b>	<b>0</b>	<b>1,395</b>	<b>39,733</b>	
	Electricity acc, to market-based approach	2020	544,788	675,392	24,924	138,132	9,839	1,393,074	
		2021	484,259	542,486	39,794	137,472	9,539	1,213,550	
		<b>2022</b>	<b>787</b>	<b>796</b>	<b>24,370</b>	<b>0</b>	<b>53</b>	<b>26,006</b>	
	Electricity acc, to location-based approach	2020	1,597,926	939,602	33,551	117,885	16,054	2,705,017	
		2021	1,590,523	868,829	41,557	102,072	15,959	2,618,941	
		<b>2022</b>	<b>1,533,442</b>	<b>780,738</b>	<b>86,826</b>	<b>99,229</b>	<b>11,890</b>	<b>2,512,125</b>	
	Scope 1 and 2	Direct & indirect GHG emissions in tons of CO <sub>2</sub> equivalent (scope 1 & 2) <sup>7</sup>	2020	961,507	1,101,028	347,127	170,446	17,022	2,597,131
			2021	936,461	971,609	451,239	173,524	18,924	2,551,757
			<b>2022</b>	<b>564,796</b>	<b>422,353</b>	<b>1,031,084</b>	<b>36,835</b>	<b>11,227</b>	<b>2,066,294</b>

1 | Analyzed sources for the emission factors: International organizations (e.g., IEA, IPCC), LCA databases (e.g., Ecoinvent), diff. national institutions (e.g., DBEIS/DEFRA), and industrial associations and organizations (e.g., PlasticsEurope, FEFCO).

2 | Discrepancies in the climate footprint 2020 and 2021 from the Sustainability Report FY 2020/21 are a result of retrospective corrections due to additional data availability.

3 | Due to values being rounded, there may be slight discrepancies in the totals.

4 | Due to immateriality, the emissions of GHG categories 3.8, 3.13, 3.14, and 3.15 are not accounted.

5 | Due to the inorganic growth of the companies of Schwarz Group and methodological adjustments, we are currently working on a new calculation for our base year FY 2019 and the previous years (FY 2020–2021). A direct comparison with the previous years therefore can currently not be undertaken.

6 | In order to avoid duplicate accounting of emissions in the joint carbon footprint of the companies of Schwarz Group, the product emissions for products from Schwarz Produktion that appear both in the Schwarz Produktion carbon footprint and in the retail divisions' carbon footprints are only considered once for aggregation into the group carbon footprint. This also means that the individual totals of the divisions do not correspond to the values of Schwarz Group in the corresponding categories.

7 | Scope-2 emissions according to the market-based approach were used for the total calculation of (operational) GHG emissions.

	FY	Lidl	Kaufland	PreZero	Schwarz Produktion	Schwarz Dienstleistungen	Schwarz Group <sup>6</sup>	
Scope 3	Indirect GHG emissions in tons of CO <sub>2</sub> equivalent (scope 3)	2020	121,536,165	32,546,227	612,068	1,449,873	444,503	155,012,438
		2021	124,199,928	32,852,253	1,644,909	1,543,632	361,670	158,736,778
		<b>2022</b>	<b>126,995,557</b>	<b>33,820,429</b>	<b>1,981,109</b>	<b>1,968,460</b>	<b>292,667</b>	<b>163,256,845</b>
	Cat. 3.1 Purchased goods and services	2020	106,511,793	28,054,956	21,208	1,179,892	172,379	134,365,302
		2021	103,302,743	28,270,516	42,563	1,237,528	172,139	131,161,551
		<b>2022</b>	<b>104,374,649</b>	<b>28,824,608</b>	<b>63,618</b>	<b>1,671,808</b>	<b>143,726</b>	<b>133,279,045</b>
	Cat. 3.2 Capital goods	2020	0	0	84,262	0	0	84,262
		2021	0	0	85,066	0	0	85,066
		<b>2022</b>	<b>0</b>	<b>0</b>	<b>146,491</b>	<b>0</b>	<b>0</b>	<b>146,491</b>
	Cat. 3.3 Fuel and energy-related emissions	2020	544,706	288,762	18,706	39,738	5,680	897,593
		2021	555,533	281,513	28,174	37,623	6,202	909,046
		<b>2022</b>	<b>592,520</b>	<b>266,224</b>	<b>85,173</b>	<b>39,458</b>	<b>5,614</b>	<b>988,989</b>
	Cat. 3.4 Upstream transportation and distribution	2020	3,519,008	2,081,843	21,454	218,353	0	5,840,657
		2021	6,991,819	1,948,915	29,459	255,098	0	9,225,291
		<b>2022</b>	<b>6,923,733</b>	<b>2,082,850</b>	<b>59,443</b>	<b>242,479</b>	<b>0</b>	<b>9,308,505</b>
	Cat. 3.5 Waste generated in operations	2020	273,263	84,854	0	5,171	0	363,288
		2021	280,927	82,832	0	5,192	0	368,951
		<b>2022</b>	<b>279,334</b>	<b>74,571</b>	<b>0</b>	<b>5,000</b>	<b>0</b>	<b>358,905</b>

1 | Analyzed sources for the emission factors: International organizations (e.g., IEA, IPCC), LCA databases (e.g., Ecoinvent), diff. national institutions (e.g., DBEIS/DEFRA), and industrial associations and organizations (e.g., PlasticsEurope, FEFCO).

2 | Discrepancies in the climate footprint 2020 and 2021 from the Sustainability Report FY 2020/21 are a result of retrospective corrections due to additional data availability.

3 | Due to values being rounded, there may be slight discrepancies in the totals.

4 | Due to immateriality, the emissions of GHG categories 3.8, 3.13, 3.14, and 3.15 are not accounted.

5 | Due to the inorganic growth of the companies of Schwarz Group and methodological adjustments, we are currently working on a new calculation for our base year FY 2019 and the previous years (FY 2020–2021). A direct comparison with the previous years therefore can currently not be undertaken.

6 | In order to avoid duplicate accounting of emissions in the joint carbon footprint of the companies of Schwarz Group, the product emissions for products from Schwarz Produktion that appear both in the Schwarz Produktion carbon footprint and in the retail divisions' carbon footprints are only considered once for aggregation into the group carbon footprint. This also means that the individual totals of the divisions do not correspond to the values of Schwarz Group in the corresponding categories.

7 | Scope-2 emissions according to the market-based approach were used for the total calculation of (operational) GHG emissions.

	FY	Lidl	Kaufland	PreZero	Schwarz Produktion	Schwarz Dienstleistungen	Schwarz Group <sup>6</sup>	
Scope 3	Cat. 3.6 Business travel	2020	43,704	12,772	5,119	1,061	3,555	66,212
		2021	62,957	22,990	5,866	1,921	5,783	99,517
		<b>2022</b>	<b>95,301</b>	<b>22,324</b>	<b>14,470</b>	<b>2,819</b>	<b>10,526</b>	<b>145,440</b>
	Cat. 3.7 Employee commuting	2020	409,703	163,734	7,595	4,172	6,821	592,025
		2021	444,720	172,447	14,214	4,597	7,931	643,909
		<b>2022</b>	<b>463,876</b>	<b>179,612</b>	<b>32,550</b>	<b>4,872</b>	<b>9,895</b>	<b>690,805</b>
	Cat. 3.9 Downstream transportation and distribution	2020	34,210	0	7,163	0	0	41,373
		2021	41,056	0	237	0	0	41,292
		<b>2022</b>	<b>34,229</b>	<b>625</b>	<b>168</b>	<b>0</b>	<b>0</b>	<b>35,022</b>
	Cat. 3.10 Processing of sold products	2020	0	0	63,539	0	0	63,539
		2021	0	0	84,443	0	0	84,443
		<b>2022</b>	<b>0</b>	<b>0</b>	<b>110,931</b>	<b>0</b>	<b>0</b>	<b>110,931</b>
Cat. 3.11 Use of sold products	2020	10,048,568	1,825,405	4	0	256,069	12,130,046	
	2021	12,369,050	2,036,629	0	0	169,616	14,575,295	
	<b>2022</b>	<b>14,082,145</b>	<b>2,343,700</b>	<b>3,148</b>	<b>0</b>	<b>122,906</b>	<b>16,551,899</b>	
Cat. 3.12 End-of-life treatment of sold products	2020	151,210	33,901	383,018	1,486	0	568,143	
	2021	151,123	36,410	1,354,887	1,672	0	1,542,417	
	<b>2022</b>	<b>149,771</b>	<b>25,913</b>	<b>1,465,117</b>	<b>2,023</b>	<b>0</b>	<b>1,640,813</b>	

1 | Analyzed sources for the emission factors: International organizations (e.g., IEA, IPCC), LCA databases (e.g., Ecoinvent), diff. national institutions (e.g., DBEIS/DEFRA), and industrial associations and organizations (e.g., PlasticsEurope, FEFCO).

2 | Discrepancies in the climate footprint 2020 and 2021 from the Sustainability Report FY 2020/21 are a result of retrospective corrections due to additional data availability.

3 | Due to values being rounded, there may be slight discrepancies in the totals.

4 | Due to immateriality, the emissions of GHG categories 3.8, 3.13, 3.14, and 3.15 are not accounted.

5 | Due to the inorganic growth of the companies of Schwarz Group and methodological adjustments, we are currently working on a new calculation for our base year FY 2019 and the previous years (FY 2020–2021). A direct comparison with the previous years therefore can currently not be undertaken.

6 | In order to avoid duplicate accounting of emissions in the joint carbon footprint of the companies of Schwarz Group, the product emissions for products from Schwarz Produktion that appear both in the Schwarz Produktion carbon footprint and in the retail divisions' carbon footprints are only considered once for aggregation into the group carbon footprint. This also means that the individual totals of the divisions do not correspond to the values of Schwarz Group in the corresponding categories.

7 | Scope-2 emissions according to the market-based approach were used for the total calculation of (operational) GHG emissions.



## Emissions Intensity of the Companies of Schwarz Group

	FY	Lidl	Kaufland	PreZero	Schwarz Produktion	Schwarz Dienstleistungen	Schwarz Group
Total emissions in t of CO <sub>2</sub> equivalent per employee	2020	359	247	228	466	81	324
	2021	336	235	177	448	58	303
	<b>2022</b>	<b>330</b>	<b>229</b>	<b>111</b>	<b>489</b>	<b>37</b>	<b>287</b>
Total emissions in t CO <sub>2</sub> equivalent per m <sup>2</sup> sales area	2020	9.9	6.9	-	-	-	-
	2021	9.7	6.6	-	-	-	-
	<b>2022</b>	<b>9.5</b>	<b>6.2</b>	-	-	-	-

## Water Consumption within the Companies of Schwarz Group in Cubic Meters

	2020	2021	2022	2021/22 delta
Total water consumption	11,204,916	12,658,586	<b>14,603,761</b>	+15.4 %
Water consumption per employee	22.8	23.5	<b>25.4</b>	+7.9 %