Environmental Data for 2018–2022

We are continuously working to enhance our reporting practices and provide a consolidated view of select performance indicators organized around the pillars of our CSR strategy, including the environment.

Environment

Description	Unit	2018	2019	2020	2021	2022
Climate ^{1,2}						
Scope 1 [‡]	Metric tons CO ₂ e (MTCO ₂ e)	321,190	325,158	326,030	350,244	351,834
Stationary (fossil fuels) [†]	MTCO ₂ e	_	232,370	234,461	257,256	256,544
Mobile (fossil fuels) [†]	MTCO ₂ e	_	67,905	66,688	66,243	65,815
Refrigerants [†]	MTCO ₂ e	_	24,883	24,882	26,746	29,475
Scope 2, market [‡]	MTCO ₂ e	486,151	441,927	373,278	311,121	254,395
Scope 2, location [‡]	MTCO ₂ e	473,215	452,160	436,939	443,181	416,928
Scope 1 + 2, market [‡]	MTCO ₂ e	807,341	767,085	699,308	661,365	606,229
Scope 1 + 2 reduction since 2018 (Target: 50.4% by 2030)	%	_	5.0	13.4	18.1	24.9
Scope 3‡	MTCO ₂ e	_	_	_	12,791,743	12,568,651
Purchased goods and services (category 1) [‡]	MTCO ₂ e	_	_	_	8,430,136	8,332,494
Capital goods category 2)‡	MTCO ₂ e	_	_	_	395,372	321,795
Upstream/downstream energy and water-related activities (category 3)‡	MTCO ₂ e	_	_		157,392	142,240
Upstream transportation and distribution (category 4) [‡]	MTCO ₂ e	_	_	_	1,361,472	1,346,259
Waste generated in operations (category 5) [‡]	MTCO ₂ e	_	_	_	93,099	82,807
Business travel (category 6) [‡]	MTCO ₂ e	_	_	_	52,695	125,280
Colleague commuting and work from home (category 7)‡	MTCO ₂ e	_	_	_	418,621	417,373
Upstream leased assets (category 8)	MTCO ₂ e	_	_	_	0	0
Downstream transportation and distribution (category 9) ³	MTCO ₂ e	_	_	_	_	_
Processing of sold products (category 10)	MTCO ₂ e	_	_	_	Not relevant	Not relevant

Environment (continued)

Description	Unit	2018	2019	2020	2021	2022
Use of sold products (category 11) [‡]	MTCO ₂ e	_	_	_	1,824,340	1,741,229
End-of-life treatment, sold products (category 12) [‡]	MTCO ₂ e	_	_	_	58,617	59,174
Downstream leased assets (category 13)	MTCO ₂ e	_	_	_	Not relevant	Not relevant
Franchises (category 14)	MTCO ₂ e	_	_	_	Not relevant	Not relevant
Investments (category 15)	MTCO ₂ e	_	_	_	Not relevant	Not relevant
Value chain emissions (Scope 1 + 2, market, + 3)	MTCO ₂ e	_	_	_	13,453,108	13,174,881
Scope 1 GHG intensity [†]	MTCO ₂ e / M \$USD revenue	_	12.7	10.1	8.9	7.8
Scope 2 GHG intensity [†]	MTCO ₂ e / M \$USD revenue	_	17.3	11.6	7.9	5.7
Scope 1 + 2 GHG intensity	MTCO ₂ e / M \$USD revenue	_	30.0	21.7	16.9	13.5
Scope 3 GHG intensity	MTCO ₂ e / M \$USD revenue	_	_	_	326	280
Value chain GHG intensity	MTCO ₂ e / M \$USD revenue	_	_	_	343	293
Customer shared GHG allocation (Scope 1 + 2 + upstream 3) ⁴	MTCO ₂ e / M \$USD revenue	_	_	_	295	253
Carbon avoidance offsets outside value chain ^{†5}	MTCO ₂ e	_	_	_	382	1,019
Energy ^{1,2}						
Total energy use [‡]	MWh	_	2,669,924	2,673,842	2,822,163	2,840,226
Renewable energy	MWh	_	39,470	157,646	351,841	446,304
Renewable electricity [‡]	MWh	_	39,470	157,646	351,841	446,304
Onsite generation [‡]	MWh	_	10,920	11,708	10,814	9,545
Contract (VPPA, green tariff, supply) [‡]	MWh	_	24,919	123,465	218,659	209,398
Energy attribute certifications ^{‡6}	MWh	_	3,632	22,473	122,368	227,361
Non-renewable energy [‡]	MWh	_	2,630,454	2,516,196	2,470,322	2,393,922
Fossil fuels (gas, oil, diesel)‡	MWh	_	1,424,800	1,442,624	1,522,012	1,529,019
Municipal steam + hot water [‡]	MWh	_	58,752	60,261	59,001	55,483
Non-renewable electricity [‡]	MWh	_	1,146,902	1,013,311	889,309	809,420
Energy intensity	MWh / M \$USD revenue	_	105	83	72	63
Renewable electricity	%	_	3	13	28	36
Sites powered by 100% renewable electricity	#	_	3	37	72	153
Renewable energy	%	_	1	6	12	15
Fossil fuel-free facilities ⁷	#	_	0	0	1	20
Onsite renewable generation [‡]	MWh	_	13,970	14,759	13,985	12,924
Onsite renewable generation capacity	MW	_	6.0	7.0	7.3	7.7
Sites with onsite renewable generation or energy storage	#	_	6	7	9	10

Environment (continued)

Description	Unit	2018	2019	2020	2021	2022
Water						
Water withdrawal excluding non-contact cooling water [†]	Million m ³	_	_	_	7.4	7.1
Water withdrawal including non-contact cooling water	Million m³	_	_	_	20.1	19.8
Ground water [†]	Million m ³	_	_	_	0.8	1.2
Fresh surface water [†]	Million m ³	_	_	_	12.7	12.7
Non-contact cooling water	Million m ³	_	_	_	12.7	12.7
Municipal (potable) [†]	Million m ³	_	_	_	6.6	5.9
Water recycling and reuse [†]	Million m ³	_	_	_	0.002	0.022
Water consumption [†]	Million m ³	_	_	_	1.9	2.2
Consumption in water scarce areas ^{†8}	Million m ³	_	_	_	0.0	0.1
Water discharges†	Million m ³	_	_	_	18.2	17.6
Groundwater injection†	Million m ³	_	_	_	0.1	0.1
Surface water [†]	Million m ³	_	_	_	12.8	13.5
Non-contact cooling water [†]	Million m ³	_	_	_	12.7	12.7
Municipal [†]	Million m ³	_	_	_	5.4	4.1
Water consumption intensity	m³ / M \$USD revenue	_	_	_	47.9	48.8

Environment (continued)

Description	Unit	2018	2019	2020	2021	2022
Waste						
Non-hazardous waste	Metric tons	_	_	_	88,935	86,198
Reused	Metric tons	_	_	_	10,840	10,661
Compost	Metric tons	_	_	_	1,200	834
Recycle	Metric tons	_	_	_	36,048	31,636
Offsite wastewater treatment	Metric tons	_	_	_	2,843	2,252
Non-thermal energy recovery [†]	Metric tons	_	_	_	305	305
Thermal waste to energy [†]	Metric tons	_	_	_	15,906	13,407
Incineration	Metric tons	_	_	_	2,964	2,964
Landfill	Metric tons	_	_	_	18,829	24,140
Non-hazardous waste intensity	Metric tons / M \$USD revenue	_	_	_	2.3	1.9
Reuse/recycling/compost	%	_	_	_	54	50
Waste to landfill diversion	%	_	_	_	79	72
Certified zero waste sites ⁹	#	_	_	_	7	14
Hazardous and biohazardous waste	Metric tons	_	_	_	47,270	40,856
Reuse	Metric tons	_	_	_	2,645	3,486
Recycle	Metric tons	_	_	_	1.06	1.05
Offsite wastewater treatment	Metric tons	_	_	_	6,643	6,645
Waste to energy [†]	Metric tons	_	_	_	20,642	20,505
Incineration	Metric tons	_	_	_	15,993	8,977
Landfill	Metric tons	_	_	_	1,346	1,240



†This indicator or set of indicators is being included in this report for the first time.

[‡]This 2022 indicator has gone through a limited assurance process.

- 1. Environmental data in this table covers all worldwide operations, including manufacturing facilities, warehouses, offices, laboratories, commercial fleets, and consolidated subsidiaries. The scope of environment data presented in this report includes operations that we control. Where data is not available, estimations based on regional energy intensity factors or other existing data is used.
 - Historical data may be subject to revision due to data source restatements and updates to methodology. There may be differences in baseline and subsequent reporting year values due to changes in the business that require baseline adjustments conducted in accordance with the Greenhouse Gas Protocol.
 - Environmental data is baseline adjusted using reporting boundaries per the World Resources Institute (WRI) Greenhouse Gas (GHG) Protocol Corporate Reporting Standard (the revenue component of intensity values is not baseline adjusted).
- 2. Data presented herein includes restated environmental data for the 2018 to 2021 reporting year(s) to reflect the baseline adjustment related to the acquisition of PPD on December 8, 2021, and several methodology improvements including but not limited to:
 - Updated economic environmental input-output factors from UK Department for Business, Energy & Industrial Strategy
 - Inclusion of primary supplier data for upstream/downstream transportation and distribution
 - Inclusion of country level detail for use of sold products
 - Operational data collection improvements
- 3. Spend-based analysis is currently unable to separate upstream and downstream transportation and distribution. Figures presented in upstream transportation and distribution represent both upstream and downstream emissions.
- 4. Value includes Scope 1, 2 and Scope 3 (categories 1, 2, 3, 4, 5, 6, 7, and 8). Emissions from other categories are already captured in the customer's Scope 1, 2, and downstream Scope 3 and therefore not included.
- This indicator does not include 88 and 130 MTCO₂e of carbon removal credits that were purchased and retired in 2021 and 2022, respectively, using technologies such as biochar. In accordance with the SBTi Net-Zero Standard, carbon offsets and credits are not considered in the emission values presented in this report.
- 6. Environmental attribute certificates retired include unbundled Green-e certified Renewable Energy Certifications (REC), EECS AIB Guarantees of Origin, and International RECs to match electricity usage in the US/Canada, Europe, China, India, and South Africa.
- 7. A fossil fuel-free facility is defined as having greater than 99% of total energy consumed from renewable energy sources.
- 8. Water scarce areas were identified using the WWF Water Risk Filter tool.
- 9. Zero waste is defined as the diversion of less than 10% of waste to landfill, incineration, or waste-to-energy facilities, excluding regulated wastes.

