

Environmental Data

GHG Emissions – Absolute

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| | Unit | 2021 | 2020 | 2019 | 2018 | 2017 |
|---|---------------------|--------|--------|--------|--------|--------|
| Total GHG direct, Scope 1 ¹ | mn t CO2 equivalent | 13.9 | 10.7 | 10.6 | 11.1 | 11.1 |
| of which from E&P | mn t CO2 equivalent | 3.2 | 3.5 | 4.2 | 3.6 | 3.5 |
| of which from R&M | mn t CO2 equivalent | 6.8 | 6.6 | 6.4 | 7.6 | 7.7 |
| of which from C&M | mn t CO2 equivalent | 3.9 | 0,64 | n.r. | n.r. | n.r. |
| CO ₂ | mn t | 12.9 | 9.9 | 9.4 | 10.0 | 10.2 |
| CH4 | t | 30,672 | 32,999 | 49,376 | 44,782 | 38,807 |
| N2O | t | 818 | 217 | 74 | 57 | 52 |
| Total GHG indirect, Scope 2 ² | mn t CO2 equivalent | 1.1 | 0.3 | 0.4 | 0.4 | 0.3 |
| Total GHG indirect, Scope 3 ^{3,5} | mn t CO2 equivalent | 156.4 | 118.0 | 126.0 | 108.0 | 108.0 |
| GHG emissions from processing and use of sold products (Scope 3, categories 10 and 11) | mn t CO2 equivalent | 130.0 | 112.2 | 119.8 | 100.4 | 107.2 |
| of which from oil to energy | mn t CO2 equivalent | 58.4 | 54.8 | 68.2 | 58.2 | 73.8 |
| of which from oil for non-energy use | mn t CO2 equivalent | 5.4 | 7.1 | 7.7 | 6.2 | 6.6 |
| of which from gas to energy | mn t CO2 equivalent | 54.5 | 48.0 | 41.8 | 34.4 | 25.9 |
| of which from gas for non-energy use | mn t CO2 equivalent | 2.6 | 2.3 | 2.0 | 1.5 | 0.9 |
| of which from chemicals | mn t CO2 equivalent | 9.0 | 0.01 | 0.01 | 0.01 | 0.01 |
| GHG emissions from purchased goods and services and capital goods (Scope 3, categories 1 and 2) | mn t CO2 equivalent | 13.5 | 5.5 | 6.3 | 7.2 | 1.3 |
| of which from purchased goods and services | mn t CO2 equivalent | 13.0 | 5.3 | 6.1 | 5.7 | 1.1 |
| of which from capital goods | mn t CO2 equivalent | 0.5 | 0.2 | 0.2 | 0.2 | 0.1 |
| GHG emissions from fuel- and energy-related activities not included in Scope 1 or 2 (Scope 3, category 3) | mn t CO2 equivalent | 0.5 | n.r. | n.r. | n.r. | n.r. |
| GHG emissions from waste generated in operations (Scope 3, category 5) | mn t CO2 equivalent | 0.3 | n.r. | n.r. | n.r. | n.r. |



| | Unit | 2021 | 2020 | 2019 | 2018 | 2017 |
|--|---------------------|------|------|------|------|------|
| GHG emissions from end-of-life treatment of sold products (Scope 3, category 12) | mn t CO2 equivalent | 12.1 | n.r. | n.r. | n.r. | n.r. |
| Biogenic CO2 emissions | mn t CO2 equivalent | 1.55 | 1.44 | 1.53 | 1.30 | 1.24 |

¹ Scope 1 refers to direct emissions from operations that are owned or controlled by the organization. We use emission factors from different sources, e.g., IPCC, API GHG Compendium, etc. Since 2016, OMV has been applying global warming potentials of the IPCC Fourth Assessment Report (AR4 – 100 years).

² Scope 2 refers to indirect emissions resulting from the generation of purchased or acquired electricity, heating, cooling, or steam. We use emission factors from different sources, e.g., national authorities, supplier-specific emission factors, etc. The data in the table refers to the market-based approach. Location-based is 1.0 mn t.

³ Scope 3 refers to other indirect emissions that occur outside the organization, including both Upstream and Downstream emissions. We use emission factors from different sources, e.g., IPCC, PlasticsEurope, Dbeis, etc. The data includes Scope 3 emissions from the use and processing of sold products. Pure "trading margin" sales as well as intracompany sales are excluded. Since 2015, Scope 3 emissions from purchased goods and services and capital goods are included. Since 2018, net import of refinery feedstock is included.

⁴ Only EU ETS emissions from November and December included

⁵ Borealis Scope 3 category 15 emissions are accounted as 21.0 mn t CO₂ equivalent, but not yet included in OMV's Group consolidation.

n.r. = not reported

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GHG Emissions – Intensities¹

| | Unit | 2021 | 2020 | 2019 | 2018 | 2017 |
|---|--|------|------|------|------|------|
| GHG intensity of operations | OMV Group Carbon Intensity Index ² | 82 | 81 | 78 | 86 | n.r. |
| Reduction achieved vs. 2010 | % | 18 | 19 | 22 | 14 | n.r. |
| GHG intensity of product portfolio | mn t GHG per mn t oil equivalent | 2.5 | 2.5 | 2.5 | 2.5 | 2.6 |
| GHG intensity of purchased goods and services and capital goods | mn t GHG per EUR bn | 0.78 | 1.14 | 0.89 | 0.90 | 0.79 |
| Carbon intensity of energy supply ³ | g CO ₂ /MJ | 66.4 | 66.9 | 68.3 | 70.0 | n.r. |
| Methane intensity | % | 0.6 | 0.7 | 1.1 | n.r. | n.r. |

¹ Excluding Borealis

² Direct CO₂ equivalent emissions produced to generate a certain business output using the following business-specific metric – Upstream: t CO₂ equivalent/toe produced, refineries: t CO₂ equivalent/t throughput (crude and semi-finished products without blended volumes), power: t CO₂ equivalent/MWh produced – consolidated into an OMV Group Carbon Intensity Operations Index, based on weighted average of the business segments' carbon intensity. The Carbon Intensity Index was developed in 2018.

³ The carbon intensity of energy supply is measured by assessing the intensity of their Scope 1 and 2 emissions plus Scope 3 emissions (in g CO₂) from the use of sold energy products, against the total energy value of all externally sold energy products (in MJ).

n.r. = not reported



GHG Emission – Reductions¹

| | Unit | 2021 | 2020 | 2019 | 2018 | 2017 |
|--|---------------------|--------|--------|---------|---------|---------|
| GHG reductions from projects per year | t CO2 equivalent | 79,470 | 77,900 | 154,522 | 374,000 | 174,000 |
| GHG reductions from projects to date (from 2009) | mn t CO2 equivalent | 2.0 | 1.9 | 1.8 | 1.7 | 1.2 |

¹ Excluding Borealis

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Other Air Emissions

| | Unit | 2021 | 2020 | 2019 | 2018 | 2017 |
|----------------------------|------|--------|--------|--------|--------|--------|
| S02 | t | 2,544 | 2,720 | 2,627 | 3,090 | 2,995 |
| NO _X | t | 10,302 | 7,701 | 7,441 | 11,231 | 12,730 |
| NMVOC | t | 12,259 | 10,898 | 11,011 | 9,400 | 8,689 |
| Particulate emissions | t | 635 | 172 | 124 | 138 | 145 |
| Ozone-depleting substances | t | 0.2 | 0.5 | 0.4 | 0.4 | 0.5 |

Flaring and Venting

| | Unit | 2021 | 2020 | 2019 | 2018 | 2017 |
|---------------------|------|---------|---------|---------|---------|---------|
| Hydrocarbons flared | t | 361,965 | 388,644 | 426,251 | 233,770 | 185,832 |
| Hydrocarbons vented | t | 14,672 | 17,909 | 34,282 | 37,420 | 32,834 |



Energy

| | Unit | 2021 | 2020 | 2019 | 2018 | 2017 |
|--|------|----------|-------|-------|-------|-------|
| Energy consumption ¹ | PJ | 176.5 | 131.1 | 117.4 | 127.4 | 130.8 |
| Fuel consumption within the organization | PJ | 176.6 | 141.4 | 128.6 | 152.5 | 157.5 |
| Self-generated non-fuel renewable energy | MWh | 14,309.0 | 87.4 | n.r. | n.r. | n.r. |
| Purchased electricity consumption ² | PJ | 16.6 | 8.6 | 2.9 | 3.5 | 2.9 |
| Heating, cooling, and steam consumption | PJ | 4.3 | 0.9 | 0.1 | 0.1 | 0.0 |
| Electricity sold ³ | PJ | 16.5 | 14.2 | 11.3 | 23.9 | 24.5 |
| Heating, cooling, and steam sold ⁴ | PJ | 4.0 | 3.1 | 2.9 | 2.7 | 3.3 |

¹ Refers to the total energy used for operations based on site calculations with specific data and methodology

² Includes only electricity purchased and consumed. Electricity consumed from own generation is included in fuel consumption.

³ Calculation methodology changed in 2020 to exclude electricity internally sold; prior years' data restated

 $^4\,$ Calculation methodology changed in 2020 to exclude heating, cooling, and steam sold internally n.r. = not reported

Water and Wastewater

| | Unit | 2021 | 2020 | 2019 | 2018 | 2017 |
|---|------------|---------|---------|---------|---------|---------|
| Water withdrawal | | | | | | |
| Water withdrawn ¹ | megaliters | 827,211 | 224,971 | 103,637 | 100,381 | 98,523 |
| thereof groundwater | megaliters | 34,903 | 25,443 | 24,117 | 23,964 | 24,530 |
| thereof freshwater (≤1,000 mg/l total dissolved solids) | megaliters | 34,805 | 22,996 | 23,836 | 23,716 | 24,144 |
| thereof other water (>1,000 mg/l total dissolved solids) ² | megaliters | 98 | 262 | 281 | 247 | 386 |
| thereof surface water | megaliters | 294,270 | 60,778 | 14,054 | 14,955 | 11,526 |
| thereof freshwater (\leq 1,000 mg/l total dissolved solids) ² | megaliters | 294,270 | 14,539 | 14,054 | 14,955 | 11,526 |
| thereof once-through cooling water | megaliters | 276,359 | 47,124 | 0 | 0 | 0 |
| thereof other water (>1,000 mg/l total dissolved solids) ² | megaliters | 0 | 0 | 0 | 0 | 0 |
| thereof water from public supply systems | megaliters | 3,825 | 1,755 | 1,360 | 1,477 | 1,509 |
| thereof freshwater (\leq 1,000 mg/l total dissolved solids) ² | megaliters | 3,825 | 1,092 | 1,360 | 1,477 | 1,509 |
| thereof other water (>1,000 mg/l total dissolved solids) ² | megaliters | 0 | 0 | 0 | 0 | 0 |
| thereof seawater | megaliters | 436,337 | 75,718 | 920 | 586 | 577 |
| thereof once-through cooling water | megaliters | 435,493 | 71,784 | 0 | 280,963 | 411,854 |
| thereof produced water | megaliters | 57,875 | 61,256 | 63,186 | 59,400 | 60,382 |
| Water withdrawn from all areas with water stress | megaliters | 3,550 | 1,479 | 1,230 | 1,775 | 2,524 |
| thereof groundwater | megaliters | 2,179 | 491 | 399 | 645 | 1,144 |

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| | Unit | 2021 | 2020 | 2019 | 2018 | 2017 |
|---|------------|---------|--------|------|-------|-------|
| thereof freshwater (≤1,000 mg/l total dissolved solids) ² | megaliters | 325 | 229 | 118 | 398 | 758 |
| thereof other water (>1,000 mg/l total dissolved solids) ² | megaliters | 98 | 262 | 281 | 247 | 386 |
| thereof surface water ² | megaliters | 0 | 0 | 0 | 0 | 0 |
| thereof freshwater (\leq 1,000 mg/l total dissolved solids) ² | megaliters | 0 | 0 | 0 | 0 | 0 |
| thereof other water (>1,000 mg/L mg/l total dissolved solids) ² | megaliters | 0 | 0 | 0 | 0 | 0 |
| thereof water from public supply systems | megaliters | 712 | 54 | 67 | 82 | 84 |
| thereof freshwater (\leq 1,000 mg/l total dissolved solids) ² | megaliters | 24 | 54 | 67 | 82 | 84 |
| thereof other water (>1,000 mg/l total dissolved solids) ² | megaliters | 0 | 0 | 0 | 0 | 0 |
| thereof seawater ² | megaliters | 0 | 0 | 0 | 0 | 0 |
| thereof produced water | megaliters | 659 | 607 | 764 | 1,048 | 1,297 |
| Water discharge | | | | | | |
| Water discharged by destination | megaliters | 758,033 | 25,464 | n.r. | n.r. | n.r. |
| thereof to groundwater | megaliters | 846 | 0 | n.r. | n.r. | n.r. |
| thereof freshwater (≤1,000 mg/l total dissolved solids) | megaliters | 0 | 0 | n.r. | n.r. | n.r. |
| thereof other water (>1,000 mg/l total dissolved solids) | megaliters | 846 | 0 | n.r. | n.r. | n.r. |
| thereof to surface water | megaliters | 303,325 | 16,474 | n.r. | n.r. | n.r. |
| thereof freshwater (≤1,000 mg/l total dissolved solids) | megaliters | 298,467 | 10,913 | n.r. | n.r. | n.r. |
| thereof once-through cooling water | megaliters | 276,363 | 47,124 | n.r. | n.r. | n.r. |
| thereof other water (>1,000 mg/l total dissolved solids) | megaliters | 4,857 | 5,561 | n.r. | n.r. | n.r. |
| thereof to seawater | megaliters | 438,920 | 4,581 | n.r. | n.r. | n.r. |
| thereof once-through cooling water | megaliters | 435,901 | 71,784 | n.r. | n.r. | n.r. |
| thereof to third party | megaliters | 14,937 | 4,409 | n.r. | n.r. | n.r. |
| thereof to others | megaliters | 5 | n.r. | n.r. | n.r. | n.r. |
| Water discharged by destination to all areas with water stress | megaliters | 2,467 | 61 | n.r. | n.r. | n.r. |
| thereof to groundwater | megaliters | 846 | 0 | n.r. | n.r. | n.r. |
| thereof freshwater (≤1,000 mg/l total dissolved solids) ² | megaliters | 0 | 0 | n.r. | n.r. | n.r. |
| thereof other water (>1,000 mg/l total dissolved solids) ² | megaliters | 0 | 0 | n.r. | n.r. | n.r. |
| thereof to surface water | megaliters | 938 | 0 | n.r. | n.r. | n.r. |
| thereof freshwater (≤1,000 mg/l total dissolved solids) ² | megaliters | 0 | 0 | n.r. | n.r. | n.r. |
| thereof other water (>1,000 mg/l total dissolved solids) ² | megaliters | 0 | 0 | n.r. | n.r. | n.r. |
| thereof to seawater | megaliters | 0 | 0 | n.r. | n.r. | n.r. |
| thereof to third party | megaliters | 678 | 61 | n.r. | n.r. | n.r. |
| thereof to others ² | megaliters | 5 | n.r. | n.r. | n.r. | n.r. |
| Water discharge – quality | | | | | | |
| Hydrocarbons (oil) discharged | t | 6 | 13 | n.r. | n.r. | n.r. |
| | | | | | | |



| | Unit | 2021 | 2020 | 2019 | 2018 | 2017 |
|---|------------|---------|---------|---------|--------|--------|
| Water consumption ³ | | | | | | |
| Water consumed | megaliters | 70,484 | 65,357 | 74,924 | 75,135 | 76,152 |
| Water consumed in all areas with water stress | megaliters | 1,140 | 647 | 1,158 | 1,691 | 2,428 |
| Water reuse | | | | | | |
| Water recycled and reused | megaliters | 319,618 | 315,327 | 251,959 | 7,041 | 6,859 |
| Produced water | | | | | | |
| Produced water generated | megaliters | 57,875 | 61,256 | 63,186 | 59,400 | 60,382 |
| Produced water injected | megaliters | 52,325 | n.r. | n.r. | n.r. | n.r. |
| Produced water discharged | megaliters | 3,060 | n.r. | n.r. | n.r. | n.r. |

¹ The increase compared to previous years is due to the inclusion of full-year water data provided by Borealis. At Borealis, most of the water that is withdrawn is used for once-through-cooling. Around 2/3 is brackish water. The cooling water that is discharged is of the same quality and only has a very slightly elevated temperature.

² Borealis figures are included in the total water withdrawal, water withdrawal from areas with water stress, water discharged to areas with water stress, and water consumption, but Borealis figures are not available at a detailed level.

³ Water consumption is calculated as water withdrawal minus water discharge. The figures above might not balance as other types of water, such as rainwater, are usually not included in water withdrawal. n.r. = not reported

Waste

| | Unit | 2021 | 2020 | 2019 | 2018 | 2017 |
|--|------|---------|---------|---------|---------|---------|
| Total waste ¹ | t | 799,048 | 634,885 | 633,722 | 583,831 | 460,247 |
| thereof non-hazardous waste | t | 431,420 | 241,221 | 323,268 | 315,219 | 224,008 |
| thereof non-hazardous waste to landfill | t | 106,494 | 108,792 | n.r. | n.r. | n.r. |
| thereof non-hazardous waste for recycling | t | 48,416 | 21,690 | n.r. | n.r. | n.r. |
| thereof non-hazardous waste for incineration | t | 26,300 | 6,021 | n.r. | n.r. | n.r. |
| thereof non-hazardous waste for other disposal options | t | 38,399 | 19,130 | n.r. | n.r. | n.r. |
| thereof other (preparation for reuse and other recovery options) | t | 211,853 | 85,589 | n.r. | n.r. | n.r. |
| thereof hazardous waste | t | 367,627 | 393,664 | 310,453 | 268,611 | 236,239 |
| thereof hazardous waste to landfill | t | 6,294 | 7,995 | n.r. | n.r. | n.r. |
| thereof hazardous waste for recycling | t | 277,074 | 308,580 | n.r. | n.r. | n.r. |
| thereof hazardous waste for incineration | t | 21,914 | 20,066 | n.r. | n.r. | n.r. |
| thereof hazardous waste for other disposal options | t | 59,704 | 48,222 | n.r. | n.r. | n.r. |
| thereof transboundary movement of hazardous waste (Basel convention) | t | 1,421 | 8,129 | n.r. | n.r. | n.r. |
| thereof other (preparation for reuse and other recovery options) | t | 1,221 | 672 | 20 | 0 | 0 |
| Waste directed to disposal | t | 539,985 | 204,120 | 308,523 | 360,357 | 258,086 |



| Unit | 2021 | 2020 | 2019 | 2018 | 2017 |
|------------------------------------|---------|---------|------|------|------|
| Waste diverted from disposal t | 259,063 | 430,765 | n.r. | n.r. | n.r. |
| Waste recovery or recycling rate % | 68% | 68% | 51% | 38% | 44% |

¹ Total waste amounts including those from one-time projects

n.r. = not reported

Spills

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| | Unit | 2021 | 2020 | 2019 | 2018 | 2017 |
|--|--------|--------|--------|--------|--------|---------|
| Spills | number | 2,232 | 2,390 | 2,047 | 2,184 | 2,403 |
| of which major (i.e., severity level 3 to 5) | number | 3 | 0 | 1 | 2 | 1 |
| Spills volume released | liters | 80,976 | 41,355 | 56,641 | 36,874 | 173,909 |

Environmental Expenditures¹

| | Unit | 2021 | 2020 | 2019 | 2018 | 2017 |
|---|--------|------|------|------|------|------|
| Environmental protection expenditures, excluding depreciation | mn EUR | 240 | 135 | 220 | 196 | 197 |
| Environmental investments for assets put into operation | mn EUR | 150 | 84 | 98 | 134 | 57 |

¹ Excluding Borealis