

## About This Report

MPC and MPLX's 2023 Sustainability Report reflects our long-standing commitment to transparency and accountability around the environmental, social and governance dimensions of our business. We have publicly reported on these matters since 2011, and this report communicates our sustainability strategy and performance in reference to the Sustainability Accounting Standards Board (SASB) metrics and Global Reporting Initiative (GRI) Standards, as well as other recognized reporting frameworks.

🔗 Please visit the following websites for additional information on our sustainability priorities.

MPC – [marathonpetroleum.com/sustainability](https://marathonpetroleum.com/sustainability)

MPLX – [mplx.com/sustainability](https://mplx.com/sustainability)

## Reporting Frameworks and Disclosures

### SASB

This report is informed by the oil and gas industry metrics from the Sustainability Accounting Standards Board (SASB) standards.

### GRI

This report has been prepared with reference to the Global Reporting Initiative (GRI) Sector Standard for Oil and Gas.

### IPIECA

This report is consistent with International Petroleum Industry Environmental Conservation Association (Ipieca) Sustainability Reporting Guidance for the Oil and Gas Industry (2020) and includes core reporting elements for each presented indicator.

### TCFD

We annually publish a separate risk assessment report that follows guidelines set forth by the Financial Stability Board Task Force on Climate-related Financial Disclosures (TCFD).

🔗 Click [here](#) for our latest Perspectives on Climate-Related Scenarios report.

### CDP Reporting

We participate annually in the CDP Climate Change and Water Security reports.

🔗 Click [here](#) for our most recent Climate Change response in accordance with the CDP reporting schedule.

🔗 Click [here](#) for our most recent Water Security response in accordance with the CDP reporting schedule.

### Reporting Framework Cross-Reference

🔗 See [Reporting Framework Cross-Reference](#) for mapping of our most significant reporting topics to SASB and GRI standards, as well as Ipieca indicators. See also our SASB and GRI tables provided separately on our [website](#).

## Scope of Report

The information and data in this report covers all MPC entities, including MPLX LP, for the calendar year 2023, unless otherwise indicated.

## Data Quality

The development of ESG reporting requires the use of estimate, judgments and assumptions that may affect the reported figures at the date of publication during the reporting period. Due to rounding, numbers presented throughout the performance data table may not add up to the totals provided, and percentages may not precisely reflect the rounded numbers. Prior-year data may have been updated to reflect better data availability, consistency, etc. Data included has been reviewed by MPC's Audit, Assurance and Advisory Services organization. In addition, we engaged an independent third party, LRQA, to provide independent assurance of our Scope 1, Scope 2 and Scope 3 - Category 11 GHG emissions and Scope 1 and Scope 2 GHG emissions intensity data.

🔗 Click [here](#) to view the external assurance statement from LRQA relating to our GHG data.

## Performance Data

### Company Performance

	Unit of Measure	SASB Map	GRI Map	Ipieca Map	2019	2020	2021	2022	2023
<b>ECONOMIC PERFORMANCE<sup>(1)</sup></b>									
Sales and Other Operating Revenue	\$ millions	-	201-1a.i	-	123,949	69,779	119,983	177,453	148,379
Income from Operations	\$ millions	-	-	-	5,576	(12,247)	4,300	21,469	14,514
Net Income Attributable to MPC	\$ millions	-	201-1a.iii	-	2,637	(9,826)	9,738	14,516	9,681
Capital Expenditures and Investments (excludes acquisitions)	\$ millions	-	-	-	6,133	2,754	1,815	2,788	2,554
Environmental Expenditures (capital and expense) <sup>(2)(3)</sup>	\$ millions	-	-	-	1,213	630	991	1,226	1,476
<b>OPERATIONAL PERFORMANCE<sup>(4)</sup></b>									
MPC Manufacturing Inputs	million boe	-	-	-	1,817	1,627	1,682	1,741	1,769
Refining Manufacturing Inputs	million boe	EM-RM-000.A	-	-	1,142	940	1,012	1,068	1,054
MPLX Gas Plant Manufacturing Inputs	million boe	-	-	-	675	687	670	673	714
Crude Oil Refining Capacity	thousand bpcd	EM-RM-000.B	-	-	3,067	2,874	2,887	2,898	2,950
Natural Gas Gathering Volumes	million cubic feet per day	EM-MD-000.A	-	-	5,967	5,331	5,131	5,684	6,257
MPLX Crude and Refined Products Transported	thousand bpd	-	-	-	5,114	4,712	5,453	5,660	5,812
MPLX Crude Oil Transported	thousand bpd	EM-MD-000.A	-	-	3,228	2,998	3,380	3,549	3,772
MPLX Refined Products Transported	thousand bpd	EM-MD-000.A	-	-	1,886	1,714	2,073	2,111	2,040
Total addressable market for 2023	\$ billions	EM-RM-410a.2	-	-	2.8	3.7	8.4	10.2	9.3
Total market share <sup>(5)</sup>	%	EM-RM-410a.2	-	-	2	2	5	4.5	5.4

## Environmental Performance

	Unit of Measure	SASB Map	GRI Map	Ipeca Map	2019	2020	2021	2022	2023
<b>GREENHOUSE GAS EMISSIONS<sup>(4)(6)</sup></b>									
Total Scope 1 and Scope 2 GHG Emissions	million tonnes CO <sub>2</sub> e	-	-	CCE-4 - C1	45.0	40.2	39.9	40.4	39.8
Scope 1 and 2 GHG Intensity (excludes GHG associated with exported power from cogen)	tonnes CO <sub>2</sub> e/mboe input	-	305-4a	CCE-4 - C4	23.8	23.7	22.9	22.4	21.7
Total Scope 1 and Scope 2 GHG Intensity Reduction Since 2014	%	-	305-5a	-	-21	-21	-23	-25	-27
Total Scope 1 GHG Emissions <sup>(7)(8)</sup>	million tonnes CO <sub>2</sub> e	-	305-1a	CCE-4 - C1	36.8	32.2	33.0	33.7	33.0
Total Scope 1 CO <sub>2</sub> Emissions	million tonnes CO <sub>2</sub>	-	-	CCE-4 - C1	35.9	31.3	32.2	33.1	32.4
Total Scope 1 CH <sub>4</sub> Emissions	thousand tonnes CH <sub>4</sub>	-	-	CCE-4 - C1	31.7	32.7	23.5	22.8	21.6
Total Scope 1 N <sub>2</sub> O Emissions	thousand tonnes N <sub>2</sub> O	-	-	CCE-4 - C1	0.2	0.2	0.2	0.2	0.2
Total Scope 1 SF <sub>6</sub> and Tracer Emissions	tonnes SF <sub>6</sub> and tracer	-	-	CCE-4 - C1	1	0	9	0	0
Refining Scope 1 GHG Emissions	million tonnes CO <sub>2</sub> e	EM-RM-110a.1	-	CCE-4 - C3	31.0	26.7	27.5	28.3	27.6
Refining Scope 1 GHG Covered by Emissions-limiting Regulation <sup>(9)</sup>	%	EM-RM-110a.1	-	-	27	25	23	23	26
MPLX Scope 1 GHG Emissions <sup>(10)</sup>	million tonnes CO <sub>2</sub> e	EM-MD-110a.1	-	CCE-4 - C3	5.7	5.4	5.5	5.4	5.4
MPLX Scope 1 GHG Emissions from Methane (CO <sub>2</sub> e basis)	%	EM-MD-110a.1	-	-	11	13	8	8	8
MPLX Scope 1 GHG Covered by Emissions-limiting Regulation	%	EM-MD-110a.1	-	-	< 2	< 2	< 1	< 1	< 1
MPLX G&P Scope 1 Methane Emissions Intensity	%	-	-	-	0.026	0.029	0.020	0.018	0.016
Total Scope 2 GHG Emissions <sup>(11)</sup>	million tonnes CO <sub>2</sub> e	-	305-2a	CCE-4 - C2	8.2	8.0	6.9	6.7	6.8
Refining Scope 2 GHG Emissions	million tonnes CO <sub>2</sub> e	-	-	CCE-4 - C3	4.0	3.8	3.5	3.4	3.4
MPLX Scope 2 GHG Emissions <sup>(10)</sup>	million tonnes CO <sub>2</sub> e	-	-	CCE-4 - C3	3.8	3.8	3.3	3.3	3.3
Scope 3 - Category 11: Use of Sold Products - Refinery Yield Method	million tonnes CO <sub>2</sub> e	-	305-3a	CCE-4 - A2	426	352	379	404	400
<b>ENERGY CONSUMPTION<sup>(4)(6)</sup></b>									
Total Energy Consumption	billion gj	-	302-1a	CCE-6 - C1	0.6	0.6	0.6	0.6	0.6
Refining Energy Consumption	billion gj	-	-	-	0.5	0.5	0.5	0.5	0.5
MPLX G&P Energy Consumption	billion gj	-	-	-	0.1	0.1	0.1	0.1	0.1

	Unit of Measure	SASB Map	GRI Map	Ipeca Map	2019	2020	2021	2022	2023
<b>ENERGY CONSUMPTION (CONTINUED)<sup>(4)(6)</sup></b>									
Energy Intensity	gj/boe	-	302-3a	CCE-6 - A2	0.3	0.3	0.4	0.3	0.3
Refining Energy Intensity	gj/boe	-	-	CCE-6 - A2	0.5	0.5	0.5	0.4	0.4
MPLX G&P Energy Intensity	gj/boe	-	-	CCE-6 - A2	0.1	0.1	0.1	0.2	0.2
Energy Consumption Purchased/Produced by Renewable Sources	million gj	-	302-1b	CCE-6 - C2	-	6.1	5.4	6.1	7.1
Energy Consumption Purchased/Produced by Combined Heat and Power	million gj	-	302-1c	CCE-6 - C2	-	-	58	55	55
Energy Consumption Purchased/Produced by Combined Cycle Gas Turbine	million gj	-	302-1c	CCE-6 - C2	-	-	9.1	9.5	10.8
Avoided Energy Consumption from Efficiency Efforts	million gj	-	302-4a	-	18	13	19	20	14
<b>AIR EMISSIONS<sup>(4)(6)</sup></b>									
Total Criteria Pollutant Emissions	thousand tonnes	-	-	-	50.3	43.9	43.7	43.1	42.2
Total SOx Emissions	thousand tonnes	-	305-7a.ii	ENV-5 - C1	3.3	2.5	2.8	2.7	2.6
Total NOx Emissions	thousand tonnes	-	305-7a.i	ENV-5 - C1	17.9	14.8	15.2	15.4	14.8
Total CO Emissions	thousand tonnes	-	305-7a.vii	ENV-5 - A1	10.8	9.7	9.9	9.5	9.4
Total VOC Emissions	thousand tonnes	-	305-7a.iv	ENV-5 - C1	15.0	14.1	13.1	12.6	12.7
Total PM <sub>10</sub> Emissions	thousand tonnes	-	305-7a.vi	ENV-5 - A1	3.4	2.9	2.7	2.9	2.7
Total Criteria Pollutant Emissions Intensity	tonnes/million boe	-	-	-	27.7	27.0	26.0	24.8	23.8
Refining Criteria Pollutant Emissions	thousand tonnes	-	-	ENV-5 - A3	32.8	28.8	29.9	30.4	29.5
Refining SOx Emissions	thousand tonnes	EM-RM-120a.1	-	ENV-5 - A3	3.2	2.4	2.7	2.6	2.5
Refining NOx Emissions	thousand tonnes	EM-RM-120a.1	-	ENV-5 - A3	11.9	10.0	10.6	10.8	10.3
Refining CO Emissions	thousand tonnes	-	-	ENV-5 - A3	7.6	7.0	7.3	7.3	7.0
Refining VOC Emissions	thousand tonnes	EM-RM-120a.1	-	ENV-5 - A3	7.3	6.9	6.9	7.2	7.4
Refining PM <sub>10</sub> Emissions	thousand tonnes	EM-RM-120a.1	-	ENV-5 - A3	2.8	2.5	2.3	2.5	2.3
Refining H <sub>2</sub> S Emissions <sup>(12)</sup>	thousand tonnes	EM-RM-120a.1	-	-	0.09	0.08	0.06	0.06	0.08
Refining Criteria Pollutant Emissions from Flaring	thousand tonnes	-	-	-	2.5	2.1	2.9	3.2	2.5
Refining Criteria Pollutant Emissions Intensity	tonnes/million boe	-	-	ENV-5 - A3	28.7	30.6	29.5	28.5	28.0
Hazardous Air Pollutant Emissions <sup>(12)</sup>	thousand tonnes	-	305-7a.v	-	0.9	0.9	1.0	1.2	1.1
Number of Refineries in or Near Areas of Dense Population	count	EM-RM-120a.2	-	-	12	12	12	12	12

## Environmental Performance

	Unit of Measure	SASB Map	GRI Map	Ipeca Map	2019	2020	2021	2022	2023
<b>AIR EMISSIONS (CONTINUED) <sup>(4)(6)</sup></b>									
MPLX Criteria Pollutant Emissions <sup>(10)</sup>	thousand tonnes	-	-	ENV-5 - A3	17.4	15.1	13.9	12.7	12.6
MPLX SOx Emissions	thousand tonnes	EM-MD-120a.1	-	ENV-5 - A3	0.1	0.1	0.1	0.1	0.1
MPLX NOx Emissions	thousand tonnes	EM-MD-120a.1	-	ENV-5 - A3	5.9	4.8	4.6	4.6	4.5
MPLX CO Emissions	thousand tonnes	-	-	ENV-5 - A3	3.2	2.7	2.6	2.3	2.4
MPLX VOC Emissions	thousand tonnes	EM-MD-120a.1	-	ENV-5 - A3	7.7	7.1	6.2	5.4	5.2
MPLX PM <sub>10</sub> Emissions	thousand tonnes	EM-MD-120a.1	-	ENV-5 - A3	0.5	0.4	0.4	0.4	0.4
<b>WATER <sup>(4)(6)</sup></b>									
Total Water Withdrawal	megaliters	-	303-3a	-	162,831	145,269	140,181	144,400	143,945
Freshwater (≤ 1,000 mg/L total dissolved solids)	megaliters	-	303-3c.i	ENV-1 - C1	157,379	139,036	135,057	133,736	134,227
Other water (> 1,000 mg/L total dissolved solids)	megaliters	-	303-3c.ii	ENV-1 - A4	5,452	6,234	5,124	10,664	9,718
Surface Water Withdrawal	megaliters	-	303-3a.i	-	87,693	79,001	77,123	77,303	77,562
Freshwater (≤ 1,000 mg/L total dissolved solids)	megaliters	-	303-3c.i	-	87,693	78,999	77,123	77,303	77,561
Groundwater Withdrawal	megaliters	-	303-3a.ii	-	21,496	22,861	25,103	25,819	24,482
Freshwater (≤ 1,000 mg/L total dissolved solids)	megaliters	-	303-3c.i	-	17,338	17,883	21,502	18,502	18,218
Seawater Withdrawal	megaliters	-	303-3a.iii	-	87	75	73	59	92
Other Water (> 1,000 mg/L total dissolved solids)	megaliters	-	303-3c.ii	-	87	75	73	59	92
Third-Party Withdrawal	megaliters	-	303-3a.v	-	53,555	43,331	37,532	40,467	40,951
Freshwater (≤ 1,000 mg/L total dissolved solids)	megaliters	-	303-3c.i	-	52,348	42,153	36,432	37,931	38,447
Other Water (> 1,000 mg/L total dissolved solids)	megaliters	-	303-3c.ii	-	1,207	1,178	1,101	2,536	2,503
Total Freshwater Recycled	megaliters	-	-	ENV-1 - A5	9,167	26,055	27,766	30,648	30,026
Refining Freshwater Withdrawal	megaliters	EM-RM-140a.1	-	-	155,697	137,420	134,495	132,786	133,624
Refining Freshwater Recycled <sup>(13)</sup>	%	EM-RM-140a.1	-	-	6	19	21	23	22
Refining Freshwater Withdrawal in High Baseline Water Stress Areas as Percentage of Total Freshwater Withdrawal	%	EM-RM-140a.1	-	-	26	23	23	21	24

	Unit of Measure	SASB Map	GRI Map	Ipeca Map	2019	2020	2021	2022	2023
<b>WATER (CONTINUED) <sup>(4)(6)</sup></b>									
Refining Freshwater Consumed in High Baseline Water Stress Areas as Percentage of Total Freshwater Consumed	%	EM-RM-140a.1	-	-	27	24	25	18	17
Refining Total Water Consumption	megaliters	-	303-5a	-	74,661	63,540	62,811	66,590	63,334
Total Water Withdrawal in Stressed Areas	megaliters	-	303-3b	ENV-1 - C4	44,069	37,135	34,576	36,567	40,193
Surface Water Withdrawal in Stressed Areas	megaliters	-	303-3b.i	-	0	0	0	1	0
Groundwater Withdrawal in Stressed Areas	megaliters	-	303-3b.ii	-	11,911	13,931	15,989	17,426	16,394
Third-Party Withdrawal in Stressed Areas	megaliters	-	303-3b.v	-	32,158	23,203	18,587	19,122	23,752
Total Freshwater Withdrawal in Stressed Areas	megaliters	-	-	-	39,911	32,157	30,975	27,858	32,622
Total Freshwater Recycled in Stressed Areas	megaliters	-	-	-	5,267	15,173	16,404	16,895	17,560
Total Freshwater Recycled in Stressed Areas	%	-	-	-	13	47	53	61	54
Total Freshwater Withdrawal Intensity	megaliters/million boe	-	-	ENV-1 - A2	87	85	80	77	76
Total Water Consumption	megaliters	-	303-5a	ENV-1 - C2	76,299	64,784	63,178	67,269	64,196
Total Water Consumption in Stressed Areas	megaliters	-	303-5b	-	22,757	18,947	18,184	18,983	17,278
Total Water Consumption Intensity	megaliters/million boe	-	-	-	42	40	38	39	36
Total Water Discharge	megaliters	-	303-4a	ENV-2 - A5	89,483	82,478	78,702	79,294	80,415
Freshwater (≤ 1,000 mg/L total dissolved solids)	megaliters	-	303-4b.i	-	86,427	79,825	76,670	76,686	77,997
Other Water (> 1,000 mg/L total dissolved solids)	megaliters	-	303-4b.ii	-	3,056	2,652	2,033	2,608	2,418
Surface Water Discharge	megaliters	-	303-4a.i	ENV-2 - A6	52,047	49,453	48,710	46,871	45,742
Freshwater (≤ 1,000 mg/L total dissolved solids)	megaliters	-	303-4b.i	ENV-2 - A5	52,047	49,404	48,710	46,867	45,742
Other Water (> 1,000 mg/L total dissolved solids)	megaliters	-	303-4b.ii	-	0	49	0	4	0
Groundwater Discharge (includes deepwell injection)	megaliters	-	303-4a.ii	ENV-2 - A6	2,951	1,993	1,699	2,162	2,129
Freshwater (≤ 1,000 mg/L total dissolved solids)	megaliters	-	303-4b.i	-	32	2	3	0	0
Other Water (> 1,000 mg/L total dissolved solids)	megaliters	-	303-4b.ii	-	2,919	1,991	1,696	2,162	2,129
Seawater Discharge	megaliters	-	303-4a.iii	ENV-2 - A6	6,377	3,841	1,100	995	3,728
Freshwater (≤ 1,000 mg/L total dissolved solids)	megaliters	-	303-4b.i	-	6,290	3,766	1,087	895	3,704
Other Water (> 1,000 mg/L total dissolved solids)	megaliters	-	303-4b.ii	-	87	75	13	100	24
Third-Party Discharge	megaliters	-	303-4a.iv	ENV-2 - A5	28,108	27,191	27,193	29,265	28,815
Freshwater (≤ 1,000 mg/L total dissolved solids)	megaliters	-	303-4b.i	-	28,059	26,653	26,870	28,923	28,551
Other Water (> 1,000 mg/L total dissolved solids)	megaliters	-	303-4b.ii	-	49	538	323	342	265

## Environmental Performance

	Unit of Measure	SASB Map	GRI Map	Ipeca Map	2019	2020	2021	2022	2023
<b>WATER (CONTINUED) <sup>(4)(6)</sup></b>									
Total Water Discharge in Stressed Areas	megaliters	-	303-4c	ENV-2 - A7	21,312	18,188	16,392	17,583	22,915
Freshwater (≤ 1,000 mg/L total dissolved solids)	megaliters	-	303-4c.i	-	21,312	18,188	16,392	17,562	22,850
Other Water (> 1,000 mg/L total dissolved solids)	megaliters	-	303-4c.ii	-	0	0	0	21	66
Seawater Discharge in Stressed Areas	megaliters	-	-	ENV-2 - A7	6,290	3,757	1,087	895	3,704
Third-Party Discharge in Stressed Areas	megaliters	-	-	ENV-2 - A7	15,022	14,431	15,303	16,676	19,101
Incidents of Noncompliance with Discharge Limits	count	-	303-4d.iii	-	92	92	59	25	30
Incidents of Noncompliance with Water Quality Permits, Standards and Regulations with Enforcement	count	EM-RM-140.a2	-	-	13	13	12	7	2
<b>WASTE <sup>(4)(6)(14)</sup></b>									
Total Waste Generated	thousand tonnes	-	306-3.a	-	422	253	318	254	260
Hazardous Waste Generated	thousand tonnes	-	306-3.a	-	42	42	36	37	45
Nonhazardous Waste Generated	thousand tonnes	-	306-3.a	-	381	211	282	217	214
Total Waste Diverted from Disposal	thousand tonnes	-	306-4.a,b	-	119	69	90	40	57
Hazardous Waste Diverted from Disposal	thousand tonnes	-	306-4.a	-	13	13	10	19	22
Hazardous Waste - Preparation for Reuse	thousand tonnes	-	306-4.b.i	-	0	0	0	5	12
Hazardous Waste - Recycling	thousand tonnes	-	306-4.b.ii	-	13	13	10	14	10
Hazardous Waste - Other Recovery	thousand tonnes	-	306-4.b.iii	-	0	0	0	0	0
Nonhazardous Waste Diverted from Disposal	thousand tonnes	-	306-4.a,c	-	106	56	80	22	36
Nonhazardous Waste - Preparation for Reuse	thousand tonnes	-	306-4.c.i	-	2	0	0	0	4
Nonhazardous Waste - Recycling	thousand tonnes	-	306-4.c.ii	-	104	56	80	21	32
Nonhazardous Waste - Other Recovery	thousand tonnes	-	306-4.c.iii	-	0	0	0	0	0

	Unit of Measure	SASB Map	GRI Map	Ipeca Map	2019	2020	2021	2022	2023
<b>WASTE (CONTINUED) <sup>(4)(6)(14)</sup></b>									
Total Waste Directed to Disposal	thousand tonnes	-	306-5.a	-	303	184	228	214	202
Hazardous Waste Directed to Disposal	thousand tonnes	-	306-5.a,b	-	29	29	26	18	23
Hazardous Waste - Incineration with Energy Recovery	thousand tonnes	-	306-5.b.i	-	19	16	10	12	15
Hazardous Waste - Incineration without Energy Recovery	thousand tonnes	-	306-5.b.ii	-	7	8	12	5	5
Hazardous Waste - Landfilling	thousand tonnes	-	306-5.b.iii	-	3	5	4	2	4
Hazardous Waste - Other Disposal	thousand tonnes	-	306-5.b.iv	-	0	0	0	0	0
Nonhazardous Waste Directed to Disposal	thousand tonnes	-	306-5.a,c	-	275	155	202	195	179
Nonhazardous Waste - Incineration with Energy Recovery	thousand tonnes	-	306-5.c.i	-	21	20	13	6	0
Nonhazardous Waste - Incineration without Energy Recovery	thousand tonnes	-	306-5.c.ii	-	1	0	1	1	0
Nonhazardous Waste - Landfilling	thousand tonnes	-	306-5.c.iii	-	253	135	188	188	179
Nonhazardous Waste - Other Disposal	thousand tonnes	-	306-5.c.iv	-	0	0	0	0	0
Refining Hazardous Waste Generated	thousand tonnes	EM-RM-150a.1	-	-	38	41	34	32	32
Refining Hazardous Waste Recycled	%	EM-RM-150a.1	-	-	34	31	25	43	33
Underground Storage Tanks (USTs) <sup>(5)</sup>	count	EM-RM-150a.2	-	-	15,872	15,753	298	298	298
UST Releases Requiring Cleanup	count	EM-RM-150a.2	-	-	32	80	0	0	0
UST Releases Requiring Cleanup in States with UST Financial Assurance Funds	%	EM-RM-150a.2	-	-	47	85	0	0	0

## Environmental Performance

	Unit of Measure	SASB Map	GRI Map	Ipieca Map	2019	2020	2021	2022	2023
<b>SPILLS<sup>(4)(6)</sup></b>									
Hazardous Material Spilled >1 bbl - volume	bbls	-	306-3	-	4,594	681	54,108	6,132	29,124
Hazardous Material Spills >1 bbl - count	count	-	306-3	-	8	3	8	9	8
Total Oil Spilled >1 bbl - volume	bbls	-	-	ENV-6 - C2	5,446	1,003	5,493	6,668	7,275
Total Oil Spills >1 bbl - count	count	-	-	ENV-6 - C2	160	61	47	70	72
Oil Spilled to Land >1 bbl - volume	bbls	-	-	ENV-6 - A3	5,340	515	4,740	5,760	5,745
Oil Spills to Land >1 bbl - count	count	-	-	ENV-6 - A3	140	59	46	66	70
Oil Spilled to Water >1 bbl - volume	bbls	-	-	ENV-6 - A3	106	488	753	908	1,530
Oil Spills to Water >1 bbl - count	count	-	-	ENV-6 - A3	20	2	1	4	2
MPLX Hydrocarbons Spilled >1 bbl - volume	bbls	EM-MD-160a.4	-	-	2,232	855	2,748	5,506	5,634
MPLX Hydrocarbon Spills >1 bbl - count	count	EM-MD-160a.4	-	-	41	34	26	47	39
MPLX Hydrocarbons Spilled to Land >1 bbl - volume	bbls	EM-MD-160a.4	-	-	2,127	293	1,995	4,606	4,104
MPLX Hydrocarbons Spilled to Water >1 bbl - volume	bbls	EM-MD-160a.4	-	-	105	488	753	901	1,530
MPLX Hydrocarbons Spilled in Arctic >1 bbl - volume	bbls	EM-MD-160a.4	-	-	0	0	0	0	0
MPLX Hydrocarbons Spilled in Unusually Sensitive Areas >1 bbl - volume <sup>(6)</sup>	bbls	EM-MD-160a.4	-	-	0	0	0	3,500	0
MPLX Hydrocarbons Spilled Recovered >1 bbl - volume	bbls	EM-MD-160a.4	-	-	2,140	781	2,528	4,558	4,646
Reportable Pipeline Incidents	count	EM-MD-540a.1	-	-	14	12	14	11	22
Reportable Pipeline Incidents - Significant	%	EM-MD-540a.1	-	-	28.6	33	50	55	50
Rail Transportation Accident Releases	count	EM-MD-540a.3	-	-	0	0	0	0	0
Rail Transportation Non-Accident Releases	count	EM-MD-540a.3	-	-	5	6	3	6	8
Natural Gas Pipelines Inspected <sup>(7)</sup>	%	EM-MD-540a.2	-	-	22.9	11	12	9.9	0.0
Hazardous Liquid Pipelines Inspected <sup>(7)</sup>	%	EM-MD-540a.2	-	-	26.7	23.7	34.0	32.1	57.2

	Unit of Measure	SASB Map	GRI Map	Ipieca Map	2019	2020	2021	2022	2023
<b>DESIGNATED ENVIRONMENTAL INCIDENTS (DEIs)<sup>(18)</sup></b>									
Number of Tier 2, 3 and 4 DEIs	count	-	-	-	228	151	166	187	179
Tier 2 DEIs	count	-	-	-	143	101	111	135	110
Tier 3 and 4 DEIs	count	-	-	-	85	50	55	52	69
<b>ECOLOGICAL IMPACTS</b>									
Wildlife Habitat Council Certified Habitats Owned and Maintained	count	-	-	-	23	22	20	16	16
Acres of Wildlife Habitat Council Certified Habitats Owned and Maintained	acres	-	-	-	1,317	1,313	1,183	817	832
Land Owned, Leased, and/or Operated within Areas of Protected Conservation Status or Endangered Species Habitat <sup>(19)</sup>	%	EM-MD-160a.2	304-1	-	-	23	21	19	20
Terrestrial Acreage Disturbed <sup>(20)</sup>	acres	EM-MD-160a.3	-	-	3,294	4,644	7,328	1,565	1,393
Impacted Areas Restored <sup>(21)</sup>	%	EM-MD-160a.3	304-3	-	100	92	100	117	82



## Social Performance

	Unit of Measure	SASB Map	GRI Map	Ipeca Map	2019	2020	2021	2022	2023
<b>WORKFORCE (CONTINUED)</b>									
<b>BOARD OF DIRECTORS</b>									
Board of Directors - Women	%	-	405-1	SOC-5 - C3	17	17	17	18	18
Board of Directors - Racial/Ethnic Minority Groups	%	-	405-1	SOC-5 - C3	25	25	33	27	27
Board of Directors by Age Group Baby Boomers	%	-	405-1	SOC-5 - C3	83	83	83	82	82
Board of Directors by Age Group Generation X	%	-	405-1	SOC-5 - C3	17	17	17	18	18
<b>OFFICERS</b>									
Officers - Women	%	-	405-1	SOC-5 - C3	22	25	27	28	31
Officers - Racial/Ethnic Minority Groups	%	-	405-1	SOC-5 - C3	4	5	5	0	0
Officers by Age Group Baby Boomers	%	-	405-1	SOC-5 - C3	67	55	41	39	31
Officers by Age Group Generation X	%	-	405-1	SOC-5 - C3	29	40	50	56	63
Officers by Age Group Millennials	%	-	405-1	SOC-5 - C3	4	5	9	6	6
<b>ALL SENIOR MANAGEMENT</b>	<b>count</b>	<b>-</b>	<b>405-1</b>	<b>SOC-5 - C3</b>	<b>134</b>	<b>127</b>	<b>148</b>	<b>168</b>	<b>183</b>
Senior Management - Women	%	-	405-1	SOC-5 - C3	17	21	23	24	25
Senior Management - Racial/Ethnic Minority Groups	%	-	405-1	SOC-5 - C3	9	11	12	11	13
Senior Management by Age Group Baby Boomers	%	-	405-1	SOC-5 - C3	31	22	15	14	9
Senior Management by Age Group Generation X	%	-	405-1	SOC-5 - C3	67	75	77	77	80
Senior Management by Age Group Millennials	%	-	405-1	SOC-5 - C3	2	3	8	9	11
<b>ALL SUPERVISORS</b>	<b>count</b>	<b>-</b>	<b>-</b>	<b>SOC-5 - C3</b>	<b>2,581</b>	<b>2,449</b>	<b>2,254</b>	<b>2,326</b>	<b>2,329</b>
Supervisors - Women	%	-	405-1	SOC-5 - C3	18	17	17	16	17
Supervisors - Racial/Ethnic Minority Groups	%	-	405-1	SOC-5 - C3	14	15	16	17	17
Supervisors by Age Group Baby Boomers	%	-	405-1	SOC-5 - C3	22	15	13	10	8
Supervisors by Age Group Generation X	%	-	405-1	SOC-5 - C3	54	56	56	55	54
Supervisors by Age Group Millennials	%	-	405-1	SOC-5 - C3	24	29	31	35	38

	Unit of Measure	SASB Map	GRI Map	Ipeca Map	2019	2020	2021	2022	2023
<b>WORKFORCE (CONTINUED)</b>									
<b>TOTAL HIRES - ALL EMPLOYEES</b>	<b>count</b>	<b>-</b>	<b>401-1</b>	<b>-</b>	<b>2,750</b>	<b>1,590</b>	<b>1,366</b>	<b>2,306</b>	<b>2,138</b>
Total Hires - Women	%	-	401-1	-	25	27	23	22	22
Total Hires - Racial/Ethnic Minority Groups	%	-	401-1	-	21	25	32	31	32
Total Hires by Age Group Baby Boomer	%	-	401-1	SOC-5 - C3	7	3	5	4	3
Total Hires by Age Group Generation X	%	-	401-1	SOC-5 - C3	23	17	22	20	16
Total Hires by Age Group Millennials	%	-	401-1	SOC-5 - C3	49	41	42	48	43
Total Hires by Age Group Generation Z	%	-	401-1	SOC-5 - C3	21	39	31	28	39
<b>INTERN/CO-OP HIRES - TOTAL</b>	<b>count</b>	<b>-</b>	<b>-</b>	<b>SOC-5 - C3</b>	<b>529</b>	<b>545</b>	<b>296</b>	<b>366</b>	<b>493</b>
Intern/Co-op Hires - Women	%	-	405-1	SOC-5 - C3	35	35	36	36	33
Intern/Co-op Hires - Racial/Ethnic Minority Groups	%	-	405-1	SOC-5 - C3	25	24	25	28	32
Interns by Age Group Millennials	%	-	405-1	SOC-5 - C3	24	10	7	7	5
Interns by Age Group Generation Z	%	-	405-1	SOC-5 - C3	76	90	93	93	95
<b>INTERN TO EMPLOYEE CONVERSIONS - TOTAL</b>	<b>count</b>	<b>-</b>	<b>-</b>	<b>SOC-7 - A2</b>	<b>136</b>	<b>139</b>	<b>51</b>	<b>93</b>	<b>102</b>
Intern to Employee Conversions - Women	%	-	405-1	SOC-7 - A2	32	47	35	35	33
Intern to Employee Conversions - Racial/Ethnic Minority Groups	%	-	405-1	SOC-7 - A2	19	15	24	11	18
Intern to Employee Conversions by Age Group Baby Boomer	%	-	405-1	SOC-7 - A2	1	0	0	0	0
Intern to Employee Conversions by Age Group Generation X	%	-	405-1	SOC-7 - A2	1	0	0	0	0
Intern to Employee Conversions by Age Group Millennials	%	-	405-1	SOC-7 - A2	80	62	18	11	15
Intern to Employee Conversions by Age Group Generation Z	%	-	405-1	SOC-7 - A2	18	38	82	89	85

## Social Performance

	Unit of Measure	SASB Map	GRI Map	Ipieca Map	2019	2020	2021	2022	2023
<b>TRAINING</b>									
Total Training Hours - All Employees	million hours	-	404-1	-	-	-	-	1.25	1.26
Average Training Hours per Employee	hours	-	404-1	-	-	-	-	64	69.5
Career Development Training Hours - All Employees	hours	-	-	-	-	-	-	-	67,937
Employees Participating in Career Development Training	count	-	-	-	-	-	-	-	4,357
Training and Development Spend - All Employees	\$ million	-	-	-	-	-	-	-	68.1
Training and Development Spend - Average per Employee	\$ thousand	-	-	-	-	-	-	-	3.7
<b>COMMUNITY INVESTMENT<sup>(4)</sup></b>									
Community Investment Dollars <sup>(23)</sup>	\$ million	-	-	SOC-13 - C2	18.7	13	21	23.2	22.8
Nonprofits Supported	count	-	-	-	-	4,647	4,573	4,856	5,056
Employee Donations to Nonprofits	\$ million	-	-	-	5.6	4.61	4.1	4.2	4.5
Employee Volunteer Hours	hours	-	-	-	55,525	44,433	57,522	62,407	69,430
Corporate Sponsorships, Local Giving, Company Matching Gifts, Disaster Relief	\$ million	-	-	-	-	10.1	9	9	8
Focused, Long-Term Investments and Employee Volunteer Program	\$ million	-	-	-	-	2.9	11.4	11.4	15.1
Commercial Initiatives	\$ million	-	-	-	-	2.1	1.5	1.7	0.2
Value of Employee Volunteer Hours During Working Hours <sup>(24)</sup>	\$ thousand	-	-	-	-	-	119	60	330
Community Investment Overhead	\$ million	-	-	-	-	1.6	1.7	2.2	2.6
<b>RIGHTS OF INDIGENOUS PEOPLES</b>									
Operations Where Indigenous Communities are Present	count	-	OG-9	-	13	14	21	21	21
Number of Significant Disputes with Local and Indigenous Peoples	count	411-1	OG-10	-	0	0	0	0	0
Operations Where Involuntary Resettlement Took Place with Indigenous Communities	count	411-1	OG-12	SOC-11	0	0	0	0	0
<b>SUPPLY CHAIN</b>									
Supply Chain Spend (excluding crude/feedstock purchases)	\$ billion	-	-	-	19.7	15	7	9	8.1
Diverse Supplier Spend (excluding crude/feedstock purchases)	\$ million	-	-	-	395	277	575	708	795

## Safety Performance

	Unit of Measure	SASB Map	GRI Map	Ipieca Map	2019	2020	2021	2022	2023
<b>PERSONAL SAFETY PERFORMANCE<sup>(25)</sup></b>									
<b>TOTAL COUNT OF SAFETY INCIDENTS</b>									
Refining	count	-	-	-	86	54	66	72	84
Employee	count	-	-	-	37	20	29	37	35
Contractor	count	-	-	-	49	34	37	35	49
MPLX	count	-	-	-	139	113	101	111	92
Employee	count	-	-	-	76	80	91	94	81
Contractor	count	-	-	-	63	33	10	17	11
<b>FATALITIES<sup>(26)</sup></b>									
Total Company - Fatalities	count	-	-	SHS-3 - C1	0	1	0	1	3
Employee	count	-	-	SHS-3 - C1	0	0	0	1	2
Contractor	count	-	-	SHS-3 - C1	0	1	0	0	1
Total Company - Fatality Rate	per 200,000 hours worked	-	403-9	SHS-3 - C1	0.000	0.002	0.000	0.003	0.008
Employee	per 200,000 hours worked	EM-RM-320a.1	403-9	SHS-3 - C1	0.000	0.000	0.000	0.005	0.010
Contractor	per 200,000 hours worked	EM-RM-320a.1	403-9	SHS-3 - C1	0.000	0.005	0.000	0.000	0.005
<b>OSHA RECORDABLE INCIDENT RATE<sup>(27)</sup></b>									
Total Company	per 200,000 hours worked	-	403-9	SHS-3 - C1	0.42	0.39	0.51	0.51	0.44
Employee	per 200,000 hours worked	-	403-9	SHS-3 - C1	0.47	0.45	0.60	0.69	0.56
Contractor	per 200,000 hours worked	-	403-9	SHS-3 - C1	0.38	0.33	0.36	0.31	0.32
Refining	per 200,000 hours worked	-	403-9	SHS-3 - C1	0.28	0.22	0.34	0.31	0.35
Employee	per 200,000 hours worked	EM-RM-320a.1	403-9	SHS-3 - C1	0.29	0.18	0.30	0.38	0.34
Contractor	per 200,000 hours worked	EM-RM-320a.1	403-9	SHS-3 - C1	0.27	0.27	0.39	0.26	0.36
MPLX	per 200,000 hours worked	-	403-9	SHS-3 - C1	0.71	0.74	0.94	1.07	0.75
Employee	per 200,000 hours worked	-	403-9	SHS-3 - C1	0.95	0.98	1.25	1.33	1.12
Contractor	per 200,000 hours worked	-	403-9	SHS-3 - C1	0.55	0.46	0.29	0.50	0.22



## Safety Performance

	Unit of Measure	SASB Map	GRI Map	Ipieca Map	2019	2020	2021	2022	2023
<b>PERSONAL SAFETY PERFORMANCE<sup>(25)</sup> (CONTINUED)</b>									
<b>LOST TIME RATE<sup>(28)</sup></b>									
Total Company	per 200,000 hrs worked	-	-	SHS-3 - C1	0.09	0.10	0.15	0.15	0.14
Employee	per 200,000 hrs worked	-	-	SHS-3 - C1	0.11	0.15	0.19	0.24	0.21
Contractor	per 200,000 hrs worked	-	-	SHS-3 - C1	0.07	0.04	0.08	0.05	0.05
Refining	per 200,000 hrs worked	-	-	SHS-3 - C1	0.05	0.04	0.08	0.07	0.09
Employee	per 200,000 hrs worked	-	-	SHS-3 - C1	0.07	0.05	0.08	0.15	0.15
Contractor	per 200,000 hrs worked	-	-	SHS-3 - C1	0.03	0.03	0.07	0.02	0.05
MPLX	per 200,000 hrs worked	-	-	SHS-3 - C1	0.17	0.22	0.33	0.35	0.26
Employee	per 200,000 hrs worked	-	-	SHS-3 - C1	0.22	0.34	0.43	0.45	0.40
Contractor	per 200,000 hrs worked	-	-	SHS-3 - C1	0.14	0.07	0.12	0.12	0.06
<b>TOTAL COUNT OF HEALTH ILLNESSES<sup>(29)</sup></b>									
Total Company	count	-	403-10	-	0	36	27	0	0
<b>PROCESS SAFETY PERFORMANCE</b>									
Total Company	(3 x total Tier 1 count) + total Tier 2 count	-	-	-	127	77	84	109	118
Refining	(3 x total Tier 1 count) + total Tier 2 count	-	-	-	92	49	67	91	106
MPLX	(3 x total Tier 1 count) + total Tier 2 count	-	-	-	35	28	17	18	12
<b>PROCESS SAFETY EVENTS RATE - TIER 1</b>									
Total Company	(total Tier 1 count/total work hrs) × 200,000	-	OG-13	SHS-6 - C1	0.04	0.06	0.08	0.10	0.08
Refining	(total Tier 1 count/total work hrs) × 200,000	EM-RM-540a.1	OG-13	SHS-6 - C1	0.04	0.04	0.06	0.09	0.08
MPLX	(total Tier 1 count/total work hrs) × 200,000	-	OG-13	SHS-6 - C1	0.06	0.19	0.24	0.25	0.05
<b>PROCESS SAFETY EVENTS RATE - TIER 2</b>									
Total Company	(total Tier 2 count/total work hrs) × 200,000	-	OG-13	SHS-6 - C1	0.19	0.11	0.17	0.15	0.22
Refining	(total Tier 2 count/total work hrs) × 200,000	EM-RM-540a.1	OG-13	SHS-6 - A1	0.18	0.08	0.16	0.14	0.20
MPLX	(total Tier 2 count/total work hrs) × 200,000	-	OG-13	SHS-6 - A1	0.24	0.38	0.30	0.37	0.48

## Governance Performance

	Unit of Measure	SASB Map	GRI Map	Ipieca Map	2019	2020	2021	2022	2023
<b>GOVERNANCE</b>									
Board Composition - Independent Directors	%	-	2-9	GOV-1 - A1	92	92	92	91	91
Board Composition - Independent Directors	count	-	2-9	GOV-1 - A1	11	11	11	10	10
Board Composition - Board Diversity (women + ethnic minorities)	%	-	2-9, 405-1	GOV-1 - A1	33	33	42	36	36
Board Composition - Women	count	-	2-9, 405-1	GOV-1 - A1	2	2	2	2	2
Board Composition - Ethnic Minorities	count	-	2-9, 405-1	GOV-1 - A1	3	3	4	3	3
Board Experience - Significant Refreshment Since 2017	%	-	-	GOV-1 - A1	50	50	50	55	55
Total Amount of \$ Losses from Legal Proceedings Associated with Federal Pipeline and Storage Regulations	\$ million	EM-MD-520a.1	-	-	0	1.29	8.47	0.06	3.30
Total Amount of \$ Losses from Legal Proceedings Associated with Price Gouging, Price Fixing or Price Manipulation <sup>(31)</sup>	\$ million	EM-RM-520a.1	206-1	-	22.5	0	0	0	0
<b>CYBERSECURITY</b>									
MPC Email Account Holders Receiving Phishing Simulations	count	-	-	-	32,000	36,228	23,236	22,786	27,979
MPC Email Account Holders Receiving Phishing Simulations	%	-	-	-	100	100	99	99	99

## Footnotes

(1) As reported in the MPC 2023 Annual Report on Form 10-K for 2023 data. Previous years' data is as reported in the respective Annual Report on Form 10-K.

(2) Based on the American Petroleum Institute's definition of environmental expenditures.

(3) These amounts include spending charged against remediation reserves, where permissible, but exclude noncash provisions recorded for environmental remediation.

(4) Historic data revised as needed to reflect updated reporting methodology, improved data, etc.

(5) No significant difference between total addressable market and market MPC serves. Nonrevenue generating initiatives to commercialize biofuels.

*MPC has participated in numerous precompetitive research projects around biofuels, including:*

- Coordinating Research Council – a nonprofit organization that directs engineering and environmental studies on the interaction between automotive/other mobility equipment and petroleum products.
- U.S. DRIVE Net-Zero Carbon Fuels Technical Team – a voluntary government-industry partnership focused on advanced automotive and related energy infrastructure technology research and development.

*Virent collaborates with many key industry and government partners around advanced biofuels:*

- Synthesized Aromatic Kerosene (SAK) – working with key partners such as the Federal Aviation Administration, University of Dayton Research Institute, Air Force Research Laboratory, GE Aviation, ASTM and others on the production and certification of SAK for use as a sustainable aviation fuel.
- Renewable Gasoline – working with key partners such as Southwest Research Institute, Johnson Matthey and Cargill on the production and distribution of renewable gasoline.
- Distillate Fuels from Biomass – working with the University of Colorado-Boulder in partnership with the National Renewable Energy Laboratory and Royal Dutch Shell on the production of distillate fuels from woody biomass.
- Conversion Process for Lignocellulosic Feedstocks – Virent's BioForming® technology's current focus is on using sugars from commercial crops to enable faster commercialization of advanced biofuels, such as renewable gasoline, SAK and diesel blendstocks, and to provide a pathway for commercializing conversion processes for lignocellulosic feedstocks and cellulosic sugars. Current and prior development activities include work with a number of industry and government partners developing cellulosic sugar technologies, as well as the development of Virent's proprietary lignocellulosic conversion technology under competitive grant awards from the U.S. DOE, USDA, DOT and Commerce, and in collaboration with various national laboratories, universities and Wright-Patterson Air Force Base.

(6) Environmental performance is generally reported for facilities of which MPC and MPLX have operational control.

(7) Scope 1 direct GHG emissions include those from Refining and MPLX and are generally calculated per the EPA's Mandatory Greenhouse Gas Reporting Program, the World Resources Institute / World Business Council for Sustainable Development Greenhouse Gas Protocol: A corporate accounting and reporting standard, revised edition, or the 2009 API Compendium of Greenhouse Gas Emissions Methodologies for the Oil and Natural Gas Industry. Global Warming Potentials used are from Table A-1 to Subpart A of 40 CFR Part 98 as of February 2022.

(8) Inclusive of carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O) and sulfur hexafluoride (SF<sub>6</sub>). Hydrofluorocarbons (HFC) and perfluorocarbons (PFC) emissions are considered to not be material to our operations and are therefore excluded.

(9) The Martinez and Los Angeles facilities are currently subject to the California Cap-and-Trade Program.

(10) MPLX emissions data includes emissions from all midstream facilities and, as such, a small amount of MPLX reported emissions are from MPC-owned midstream facilities.

(11) Location-based Scope 2 emissions that include indirect GHG emissions from consumption of purchased electricity, heat or steam.

(12) As reported in the Toxic Release Inventory (TRI) Program.

(13) 2020 and 2021 water recycle data not comparable to prior years due to enhanced water accounting that arose from the Focus on Water program launched in 2020.

(14) The legal or regulatory frameworks used to define hazardous waste and recycled hazardous waste is 40 CFR 260-261.

(15) On May 14, 2021, MPC completed the sale of Speedway to 7-Eleven, Inc. As a result of this sale, UST data beginning in 2021 does not include Speedway.

(16) Volume of spills in Unusually Sensitive Areas is inclusive of PHMSA-reportable spills only.

(17) MPC and MPLX conform to inspection frequency requirements contained in 49 CFR 192 and 195. Nonregulated pipelines are not included. For all years presented, 100% of regulated natural gas and hazardous pipeline inspections were completed as required.

(18) DEIs include releases to the environment (air, land or water), environmental permit exceedances and agency enforcement actions. Tier 3 and 4 DEIs are the most significant types of DEIs. DEI performance is only inclusive of assets/entities that MPC and MPLX owned in the reporting year.

(19) The U.S. Geological Survey (USGS) Protected Areas Database v.2.1 is the nation's official inventory of public open space and private protected areas and was used to determine areas of protected conservation status. The U.S. Fish and Wildlife Service (FWS) Critical Habitat, U.S. FWS National Wildlife Refuge and U.S. Endangered Species Habitat datasets were used to determine areas of endangered species habitat. As MPC's and MPLX's operations are limited to the U.S., these two datasets are appropriate for the evaluation of this metric in place of the references suggested in the standard. As of the end of 2023, 26,556 acres out of 132,109 total acres owned, leased and/or operated were located within areas of protected conservation status or endangered species habitat.

(20) Includes land impacted during the reporting year. For years 2018-2021, disturbed land was defined as requiring regulatory review and subsequent permitting (1 acre or greater) OR identified within an otherwise environmentally sensitive area. Beginning in 2022, disturbed land now additionally includes land disturbance and restoration that exceeds or is otherwise not governed by regulatory review and subsequent permitting. Disturbed land does not include either (1) previously disturbed agricultural fields, (2) pipeline work on our current (previously disturbed) right of way, or (3) right-of-way maintenance vegetation clearing on previously disturbed land required by PHMSA to enable aerial pipeline inspections.

(21) In 2022, more acreage was restored than disturbed due to the restoration of land disturbance projects that had taken place in previous reporting years.

(22) Excludes international employees. Definitions for EEO-1 filings are different than internal MPC definitions (executives, etc.). Federal reporting deadlines are later this year; MPC data not yet submitted.

(23) 2019-2022 data includes Marathon Petroleum Foundation dollars.

(24) Calculated using Independent Sector's 2023 Estimated National Value of Volunteer Time.

(25) To present comparable year-over-year data, the data presented for Count of Safety Incidents does not include COVID-19 cases that MPC conservatively recorded as work-related. Including these cases, 2020 and 2021 Refining Count of Employee Safety Incidents is 44 and 33, respectively. 2020 and 2021 MPLX Count of Employee Safety Incidents is 92 and 114, respectively. There were no COVID-19 related cases in 2022 and 2023.

(26) To present comparable year-over-year data, the data presented for Fatalities does not include COVID-19 cases that MPC conservatively recorded as work-related. Including these cases, 2020 Total Company Employee Fatalities is one, and 2020 Total Company Employee Fatality Rate is 0.004. There were no work-related COVID-19 fatalities in 2021, 2022 and 2023.

(27) To present comparable year-over-year data, the data presented for OSHA Recordable Incident Rate does not include COVID-19 cases that MPC conservatively recorded as work-related. Including these cases, 2020 and 2021 Total Company Employee OSHA Recordable Incident Rate is 0.60 and 0.74, respectively. 2020 and 2021 Refining Employee OSHA Recordable Incident Rate is 0.39 and 0.34, respectively. 2020 and 2021 MPLX Employee OSHA Recordable Incident Rate is 1.13 and 1.57, respectively. There were no COVID-19 related cases in 2022.

(28) To present comparable year-over-year data, the data presented for Lost Time Rate does not include COVID-19 cases that MPC conservatively recorded as work-related. Including these cases, 2020 and 2021 Total Company Lost Time Rate is 0.31 and 0.33, respectively. 2020 and 2021 Refining Employee Days Away Rate is 0.26 and 0.12, respectively. 2020 and 2021 MPLX Employee Days Away Rate is 0.49 and 0.74, respectively. There were no COVID-19 related cases in 2022 and 2023.

(29) Total Count of Health Illnesses include COVID-19 related health illnesses.

(30) Process Safety Events Score measures MPC's and MPLX's ability to identify, understand and control certain process hazards, taking into account Tier 1 and Tier 2 events, with Tier 1 events multiplied by three to recognize their severity.

(31) In May 2007, the Kentucky attorney general filed a lawsuit against MPC and Speedway LLC in state court in Franklin County, Kentucky, for alleged violations of Kentucky's emergency pricing and consumer protection laws following Hurricanes Katrina and Rita in 2005. The lawsuit alleged that we overcharged customers by \$89 million USD during September and October 2005. The complaint sought disgorgement of these sums, as well as penalties, under Kentucky's emergency pricing and consumer protection laws. In May 2011, the Kentucky attorney general amended his complaint to include a request for immediate injunctive relief, as well as unspecified damages and penalties related to our wholesale gasoline pricing in April and May 2011 under statewide price controls that were activated by the Kentucky governor on April 26, 2011, and which have since expired. The court denied the attorney general's request for immediate injunctive relief. In July 2019, MPC and the attorney general reached a settlement to resolve this litigation, which included a payment of \$22.5 million USD. We disputed the allegations made against us by the attorney general's office and expressly denied any liability, wrongdoing or violation of the law. With this resolution, the attorney general's office acknowledged no admission of liability or wrongdoing. MPC's press release on this settlement can be found at <https://ir.marathonpetroleum.com/investor/news-releases/news-details/2019/Marathon-Petroleum-Corp-welcomes-settlement-of-litigation-with-the-office-of-the-Attorney-General-of-the-Commonwealth-of-Kentucky/default.aspx>. We recommended that settlement funds be used for the purpose of improving rural roads, navigable waterways and/or emergency management to mitigate the impact of weather events.