

SASB TABLE

Code	Detail	Metric	2023	2022	2021
EM-RM-110a.1	Greenhouse Gas	Gross Scope 1 million metric tons CO2e	10.78	11.72	14.16
EM-RM-110a.1	Greenhouse Gas	% under emissions-limiting regulations	94.10%	94.65%	92.72%
EM-RM-120a.1	Air Quality	NOX (metric tons)	4,777	4,843	4,703
EM-RM-120a.1	Air Quality	SOX (metric tons)	1,232	1,582	1,667
EM-RM-120a.1	Air Quality	PM10 (metric tons)	1,175	1,381	1,208
EM-RM-120a.2	Air Quality	VOCs (metric tons)	1,816	1,962	2,125
EM-RM-120a.2	Air Quality	Number of refineries in/near areas of dense population	6	6	6
EM-RM-140a.1	Water Management	Total fresh water withdrawn (thousand cubic meters)	200,000	210,000	201,000
EM-RM-140a.1	Water Management	Percentage in regions with high or extremely high water stress	9.1%	2.9%	1.9%
EM-RM-140a.2	Water Management	Number of incidents of non-compliance	49	10	13
EM-RM-150a.1	Hazardous Materials Management	Haz waste generated (metric tons)	26,000	33,300	20,600
EM-RM-150a.1	Hazardous Materials Management	% recycled	28.0%	31.0%	32.0%
EM-RM-150a.2	Hazardous Materials Management	Number of USTs	13	13	13
EM-RM-150a.2	Hazardous Materials Management	Number of releases requiring clean-up	0	0	0
EM-RM-150a.2	Hazardous Materials Management	% in states with UST financial assurance funds	100%	100%	100%
EM-RM-320a.1	Workforce Health and Safety	TRIR - employee	0.42	0.45	0.32
PBF Energy	Workforce Health and Safety	LTIR - employee	0.2	0.13	0.13
EM-RM-320a.1	Workforce Health and Safety	Fatality Rate - employee	0.00	0.00	0.00
EM-RM-320a.1	Workforce Health and Safety	TRIR - contractor	0.28	0.12	0.42
PBF Energy	Workforce Health and Safety	LTIR - contractor	0.02	0.24	0.24
EM-RM-320a.1	Workforce Health and Safety	Fatality Rate - contractor	0.00	0.00	0.00
EM-RM-410a.1	Product Specs and Clean Fuel blends	% of RVO met through production	19%	0%	0%
EM-RM-410a.1	Product Specs and Clean Fuel blends	% of RVO met through the purchase of RINS	12%	67%	73%
EM-RM-520a.1	Pricing Integrity and Transparency	Total amount of monetary losses due to legal proceedings associated with price fixing or manipulation	\$0.00	\$0.00	\$0.00
EM-RM-540a.1	Critical Incident Risk Management	PSE rates for LOPC Tier 1	0.10	0.07	0.14
EM-RM-540a.1	Critical Incident Risk Management	PSE rates for LOPC Tier 2	0.18	0.24	0.30
EM-RM-000.A	Activity Metric	Refining throughput of crude and feedstocks barrels of oil equivalent (BOE)	329,000,000	337,700,000	304,600,000
EM-RM-000.B	Activity Metric	Refining operating capacity million barrels per day MBPD	1,023	1,023	973

EEOC REPORT

HEADCOUNT

LOCATION	# OF EMPLOYEES	REPRESENTED	UNIONS
Headquarters	470	0	N/A
Delaware City Refinery	535	374	USW
Paulsboro Refinery	301	189	IOW
Toledo Refinery	524	327	USW
Chalmette Refinery	587	335	USW
Torrance Refinery	592	304 15	USW IBEW
Torrance Logistics	97	51	USW
Martinez Refinery	580	307 15	USW IBEW
TOTAL EMPLOYEES	3,686	1,917	

OPERATING HIGHLIGHTS

YEAR ENDED DECEMBER 31,

	2023	2022	2021
KEY OPERATING INFORMATION			
Production (bpd in thousands)	918.3	937.1	852.2
Crude Oil and Feedstocks throughput (bpd in thousands)	909.4	925.1	834.5
Total Crude Oil and Feedstocks Throughput (millions of barrels)	329.0	337.7	304.6
Consolidated gross Margin Per Barrel of Throughput	\$6.63	\$13.85	\$2.91
Gross Refining Margin, Excluding Special Items, per barrel of Throughput ¹	\$16.07	\$22.00	\$7.94
Refinery Operating Expense, per barrel of throughput	\$7.85	\$7.39	\$6.56
CRUDE AND FEEDSTOCKS (% OF TOTAL THROUGHPUT)²			
Heavy	27%	32%	34%
Medium	35%	36%	31%
Light	20%	18%	18%
Other feedstocks and blends	18%	14%	17%
Total Throughput	100%	100%	100%
YIELD (% OF TOTAL THROUGHPUT)			
Gasoline and gasoline blendstocks	47%	47%	53%
Distillates and distillate blendstocks	34%	35%	30%
Lubes	1%	1%	1%
Chemicals	1%	1%	2%
Other	18%	17%	16%
Total Yield	101%	101%	102%

[1] Gross Refining Margin is a Non-GAAP financial measure. For an explanation of how we use Gross Refining Margin a reconciliation to Consolidated Gross Margin, please see "Non-GAAP Financial Measures" in Item 7, Management's Discussion and Analysis of Financial Condition and Results of Operations in our Annual Report on Form 10-K for the year ended December 31, 2023 (the 2023 Form 10-K).

[2] We define heavy crude oil as crude oil with an API gravity of less than 24 degrees. We define medium crude oil as crude oil with an API gravity between 24 and 35 degrees. We define light crude oil as crude oil with an API gravity higher than 35 degrees.