

2023

WEST VIRGINIA & U.S. EXPORT METALLURGICAL COAL PRODUCTION, DISTRIBUTION, & PRICING DATA GLOBAL STEEL PRODUCTION DATA



Data Sources:

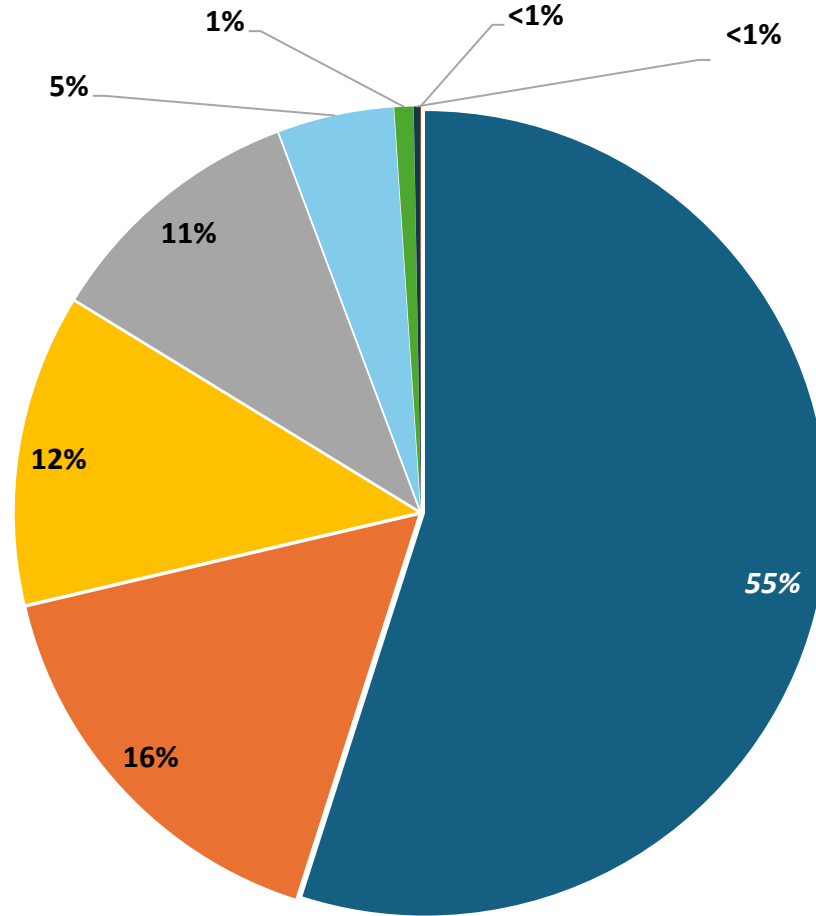
U.S. Energy Information Administration, U.S. Mine Safety & Health Administration, U.S. Commerce Department, Association of American Railroads, American Iron & Steel Institute, Inland Waterways Association, Virginia Maritime Association, World Steel Association, World Coal Association, Edison Electric Institute, West Virginia Office of Miners' Health Safety & Training, West Virginia Department of Environmental Protection, West Virginia Public Service Commission, West Virginia Department of Tax & Revenue

** Metallurgical coal production data includes export coal shipments to coke plants, foundries, ferro-alloy plants, metal manufacturing facilities and PCI coal shipments to blast furnaces.*

U.S. Metallurgical Coal Production: *Export Met Shipments*

2023

(tons)



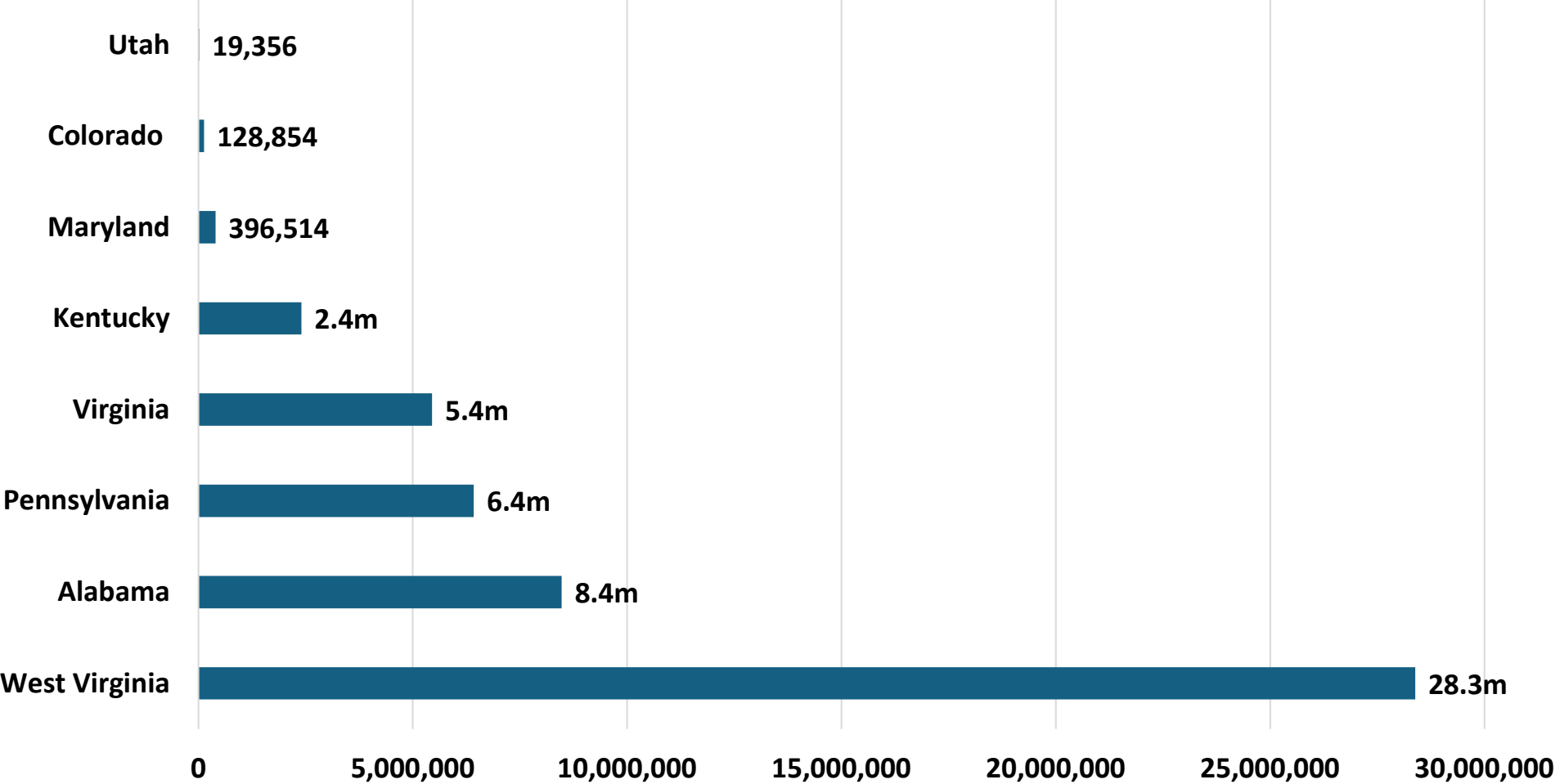
■ *West Virginia* ■ Alabama ■ Pennsylvania ■ Virginia ■ Kentucky ■ Maryland ■ Colorado ■ Utah

U.S. Metallurgical Coal Production:

Export Met Shipments

2023

(tons)



West Virginia & U.S. Export Met Coal Shipments

2023

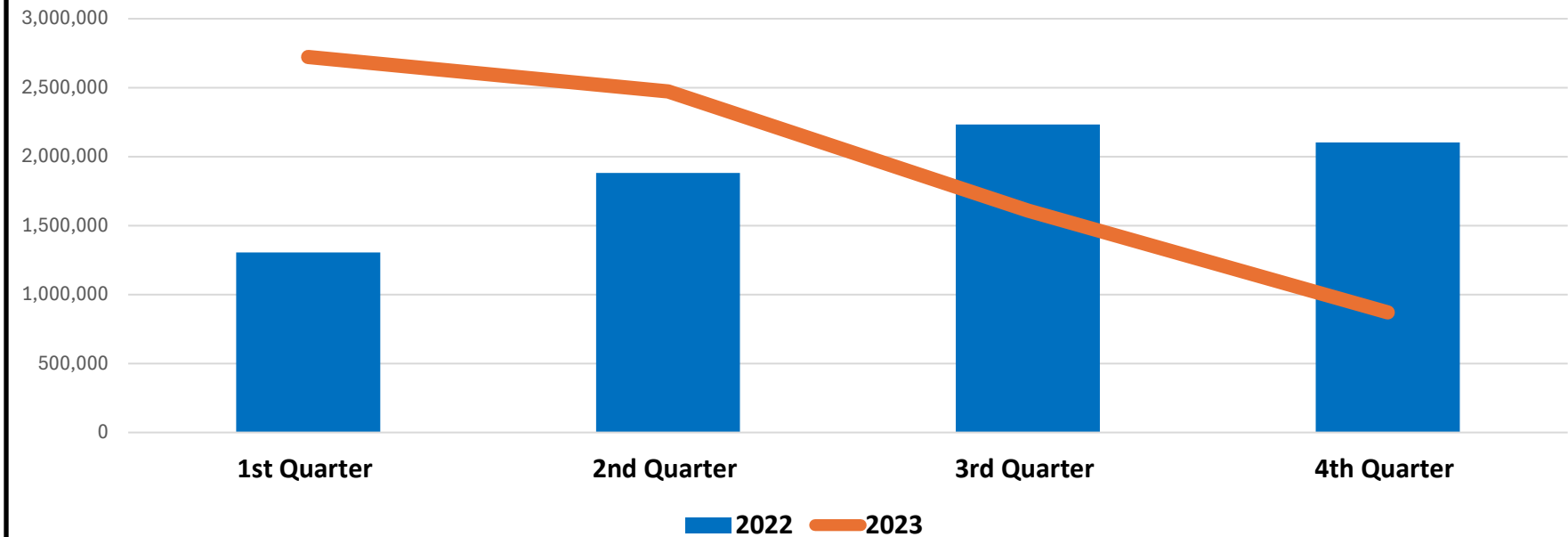
(tons)

State / Region	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	2023 Total	YTD %+/-
W.Va. NAPP	2,722,588	2,472,966	1,609,588	870,636	7,675,778	2.02
W.Va. CAPP	5,600,005	5,682,505	4,677,005	4,751,008	20,710,523	25.98
Total W.Va.	8,322,593	8,155,471	6,286,593	5,621,644	28,386,301	18.45
Alabama	2,166,170	2,034,448	2,220,197	2,053,868	8,474,683	-5.69
Colorado	37,910	27,719	35,912	27,313	128,854	-43.86
Kentucky	630,018	646,402	600,018	527,018	2,403,456	-37.04
Maryland	85,753	98,253	101,753	110,755	396,514	25.91
Pennsylvania	1,476,261	1,776,261	1,465,891	1,702,748	6,421,161	45.36
Utah	5,341	5,698	5,001	3,316	19,356	>100
Virginia	1,421,780	1,510,781	1,287,780	1,228,781	5,449,122	5.24
U.S. Total Export Met	14,145,826	14,255,033	12,003,145	11,275,443	51,679,447	10.17

Source: U.S. Energy Information Administration Form EIA-3, Quarterly Survey of Industrial, Commercial, and Institutional Coal Users, Form EIA 7-A, Annual Survey of Coal Production and Preparation, EIA Quarterly Coal Distribution Reports, U.S. Department of Labor, Mine Safety & Health Administration Form 7002-2, Quarterly Mine Employment and Coal Production Report, U.S. Commerce Department, Monthly Report EM 545

*Data is based in part on mine level production as reported to U.S. Department of Labor, Mine Safety & Health Administration and West Virginia Office of Miners' Health, Safety & Training: Totals may differ slightly from total U.S. coal exports reported by U.S. Energy Information Administration and U.S. Commerce Department.

West Virginia Northern Appalachian Export Metallurgical Coal Shipments 2022 vs. 2023 (tons)

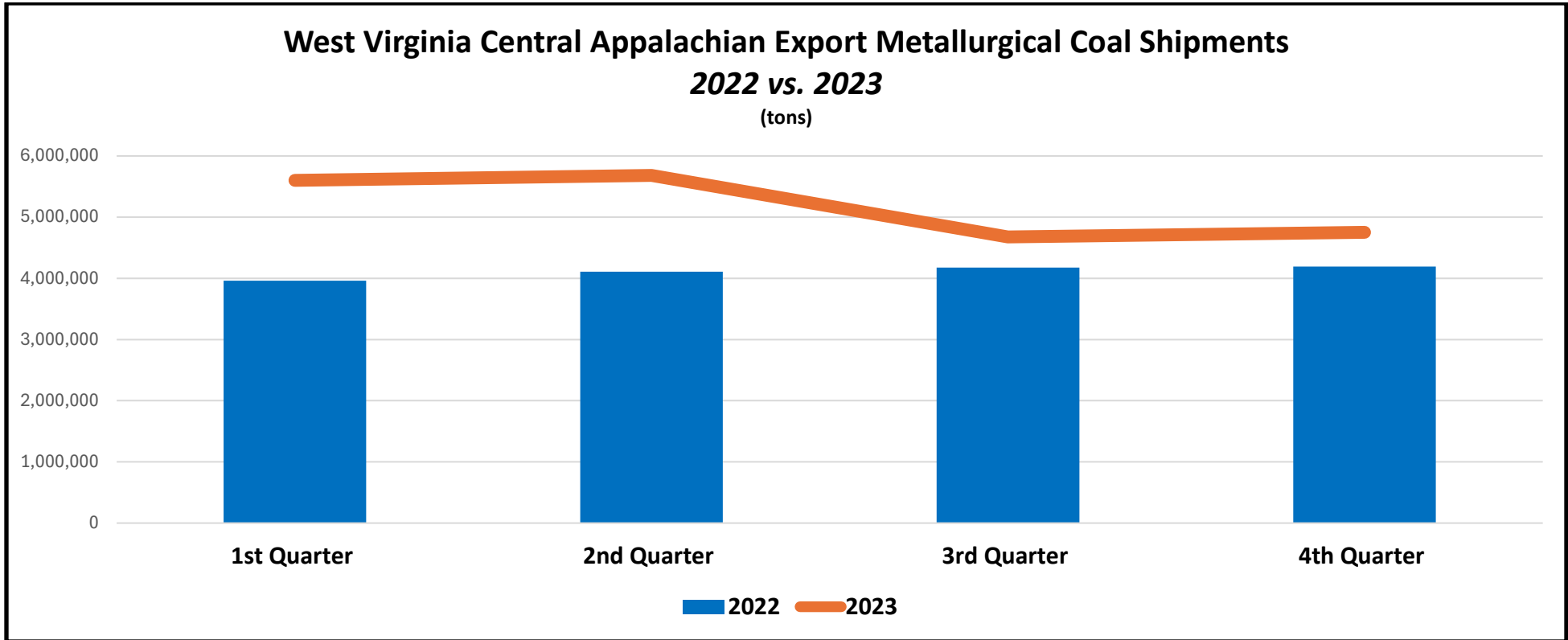


West Virginia Northern Appalachian Export Met Coal Shipments						
(tons)						
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD	% +/-
2022	1,305,863	1,881,000	2,233,297	2,103,840	7,524,000	2.02
2023	2,722,588	2,472,966	1,609,588	870,636	7,675,778	
<p>Source: U.S. Energy Information Administration Form EIA-3, Quarterly Survey of Industrial, Commercial, and Institutional Coal Users, Form EIA 7-A, Annual Survey of Coal Production and Preparation, EIA Quarterly Coal Distribution Reports, EIA Quarterly Coal Distribution Reports, U.S. Department of Labor, Mine Safety & Health Administration Form 7002-2, Quarterly Mine Employment and Coal Production Report, U.S. Commerce Department, Monthly Report EM 545, West Virginia Office of Miners' Health, Safety & Training</p> <p>*Data is based in part on mine level production as reported to U.S. Department of Labor, Mine Safety & Health Administration and West Virginia Office of Miners' Health, Safety & Training: Totals may differ slightly from total U.S. coal exports reported by U.S. Energy Information Administration and U.S. Commerce Department.</p>						

Total West Virginia Northern Appalachian Export Metallurgical Coal Shipments 2022 vs. 2023 (tons)



West Virginia Northern Appalachian Export Met Coal Shipments		
	Tons	% +/-
2022	7,524,000	2.02
2023	7,675,778	
<p>Source: U.S. Energy Information Administration Form EIA-3, Quarterly Survey of Industrial, Commercial, and Institutional Coal Users, Form EIA 7-A, Annual Survey of Coal Production and Preparation, EIA Quarterly Coal Distribution Reports, EIA Quarterly Coal Distribution Reports, U.S. Department of Labor, Mine Safety & Health Administration Form 7002-2, Quarterly Mine Employment and Coal Production Report, U.S. Commerce Department, Monthly Report EM 545, West Virginia Office of Miners' Health, Safety & Training</p> <p>*Data is based on mine production reported to U.S. Department of Labor, Mine Safety & Health Administration and West Virginia Office of Miners' Health, Safety & Training: Totals may differ slightly from total U.S. coal exports reported by U.S. Energy Information Administration and U.S. Commerce Department.</p>		



West Virginia Central Appalachian Export Met Coal Shipments						
(tons)						
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD	% +/-
2022	3,961,138	4,110,039	4,177,979	4,190,999	16,440,155	25.98
2023	5,600,005	5,682,505	4,677,005	4,751,008	20,710,523	
Source: U.S. Energy Information Administration Form EIA-3, Quarterly Survey of Industrial, Commercial, and Institutional Coal Users, Form EIA 7-A, Annual Survey of Coal Production and Preparation, EIA Quarterly Coal Distribution Reports, EIA Quarterly Coal Distribution Reports, U.S. Department of Labor, Mine Safety & Health Administration Form 7002-2, Quarterly Mine Employment and Coal Production Report, U.S. Commerce Department, Monthly Report EM 545, West Virginia Office of Miners' Health, Safety & Training						
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Total West Virginia Central Appalachian Export Metallurgical Coal Shipments

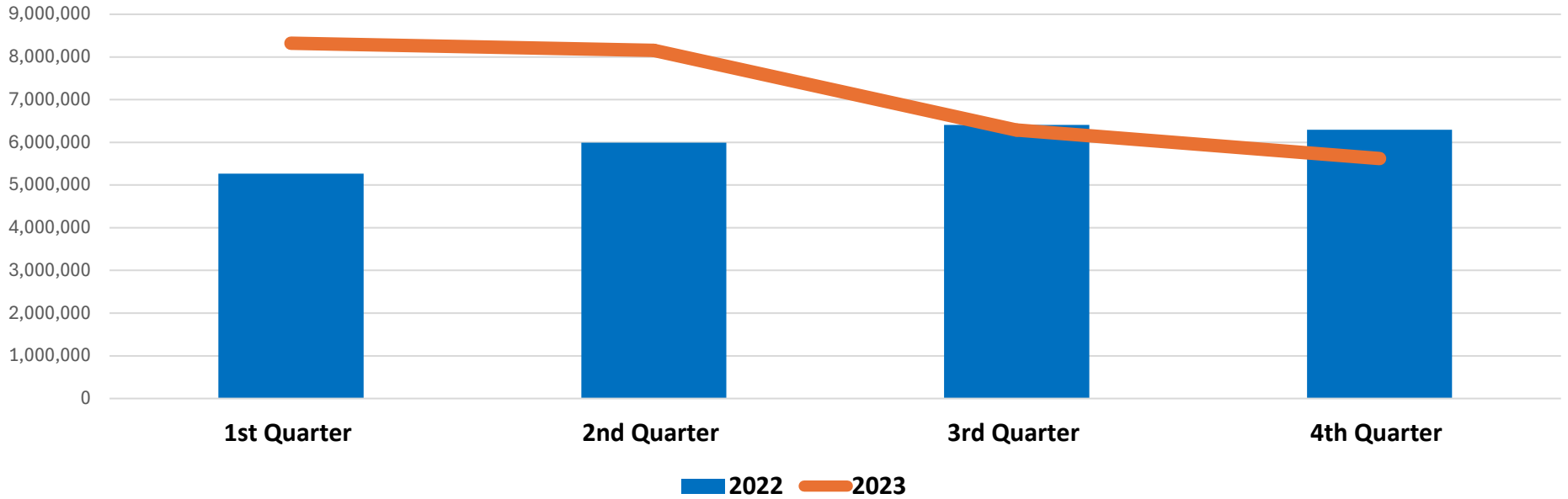
2022 vs. 2023

(tons)



West Virginia Central Appalachian Export Met Coal Shipments		
	Tons	% +/-
2022	16,440,155	25.98
2023	20,710,523	
<small>Source: U.S. Energy Information Administration Form EIA-3, Quarterly Survey of Industrial, Commercial, and Institutional Coal Users, Form EIA 7-A, Annual Survey of Coal Production and Preparation, EIA Quarterly Coal Distribution Reports, EIA Quarterly Coal Distribution Reports, U.S. Department of Labor, Mine Safety & Health Administration Form 7002-2, Quarterly Mine Employment and Coal Production Report, U.S. Commerce Department, Monthly Report EM 545, West Virginia Office of Miners' Health, Safety & Training</small>		
<small>*Data is based on mine production reported to U.S. Department of Labor, Mine Safety & Health Administration and West Virginia Office of Miners' Health, Safety & Training: Totals may differ slightly from total U.S. coal exports reported by U.S. Energy Information Administration and U.S. Commerce Department.</small>		

Total West Virginia Export Metallurgical Coal Shipments 2022 vs. 2023 (tons)

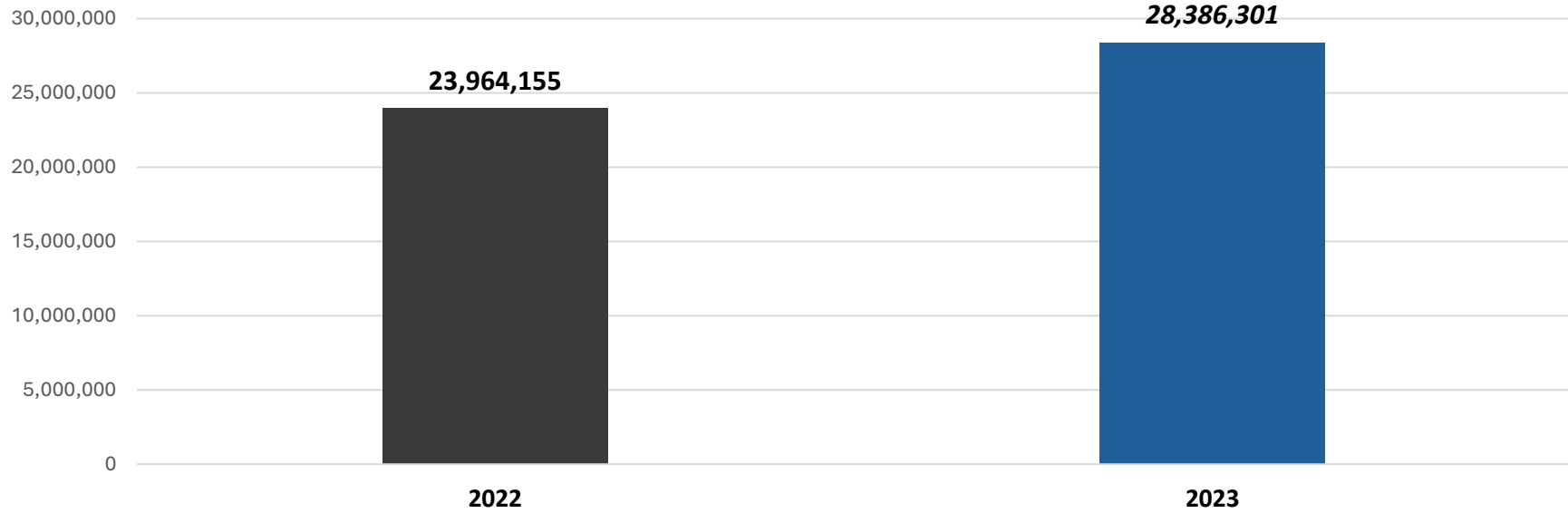


West Virginia Total Domestic Met Coal Shipments

West Virginia Total Domestic Met Coal Shipments						
(tons)						
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD	% +/-
2022	5,267,001	5,991,039	6,411,276	6,294,839	23,964,155	18.45
2023	8,322,593	8,155,471	6,286,593	5,621,644	28,386,301	
Source: U.S. Energy Information Administration Form EIA-3, Quarterly Survey of Industrial, Commercial, and Institutional Coal Users, Form EIA 7-A, Annual Survey of Coal Production and Preparation, EIA Quarterly Coal Distribution Reports, U.S. Department of Labor, Mine Safety & Health Administration Form 7002-2, Quarterly Mine Employment and Coal Production Report, U.S. Commerce Department, Monthly Report EM 545, West Virginia Office of Miners' Health, Safety & Training						
*Data is based in part on mine level production as reported to U.S. Department of Labor, Mine Safety & Health Administration and West Virginia Office of Miners' Health, Safety & Training: Totals may differ slightly from total U.S. coal exports reported by U.S. Energy Information Administration and U.S. Commerce Department.						

Total West Virginia Export Metallurgical Coal Shipments 2022 vs. 2023

(tons)



West Virginia Total Export Met Coal Shipments

	Tons	% +/-
2022	23,964,155	18.45
2023	28,386,301	

Source: U.S. Energy Information Administration Form EIA-3, Quarterly Survey of Industrial, Commercial, and Institutional Coal Users, Form EIA 7-A, Annual Survey of Coal Production and Preparation, EIA Quarterly Coal Distribution Reports, EIA Quarterly Coal Distribution Reports, U.S. Department of Labor, Mine Safety & Health Administration Form 7002-2, Quarterly Mine Employment and Coal Production Report, U.S. Commerce Department, Monthly Report EM 545, West Virginia Office of Miners' Health, Safety & Training

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West Virginia Export Metallurgical Coal Shipments

*Regional Distribution**

2023

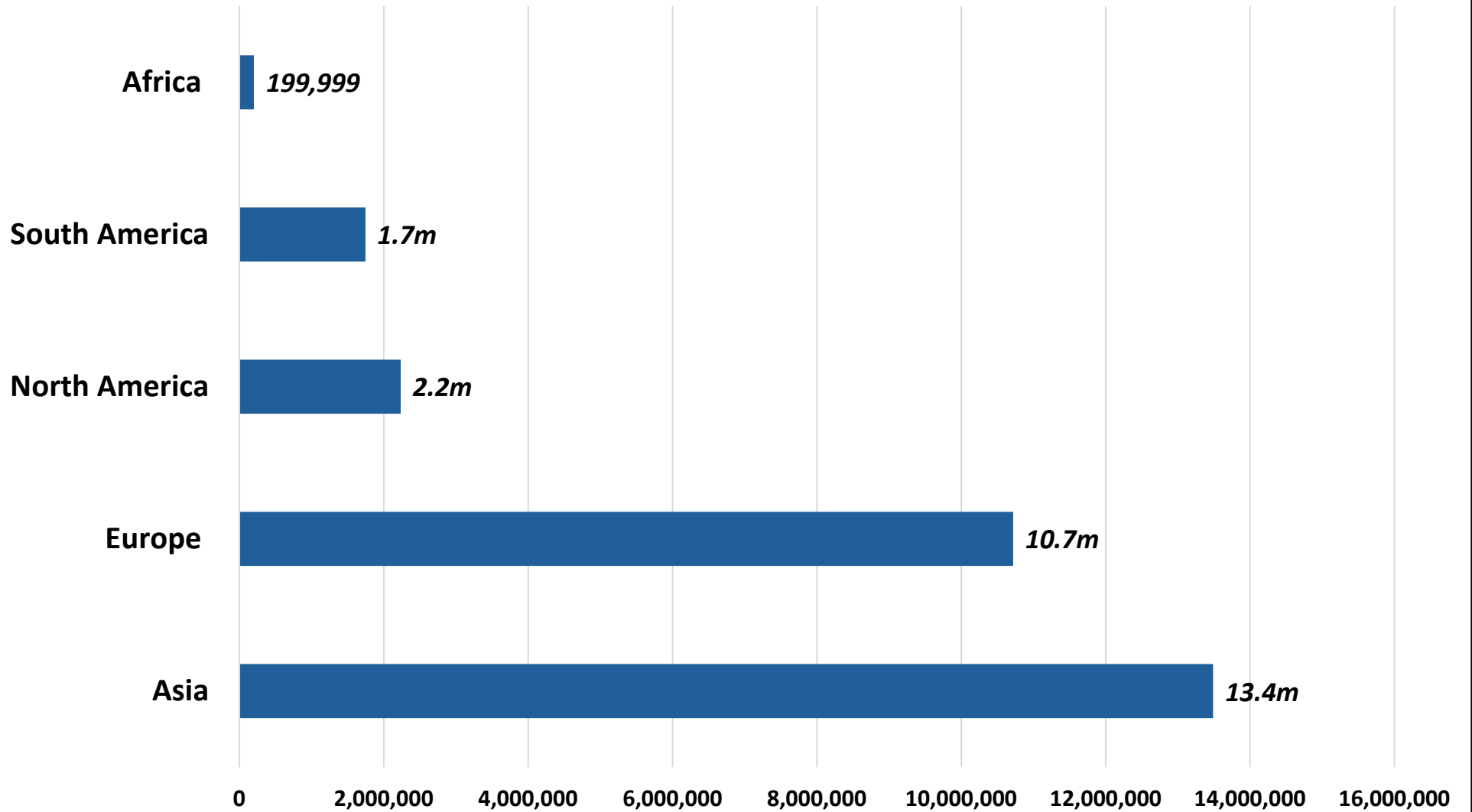
(tons)

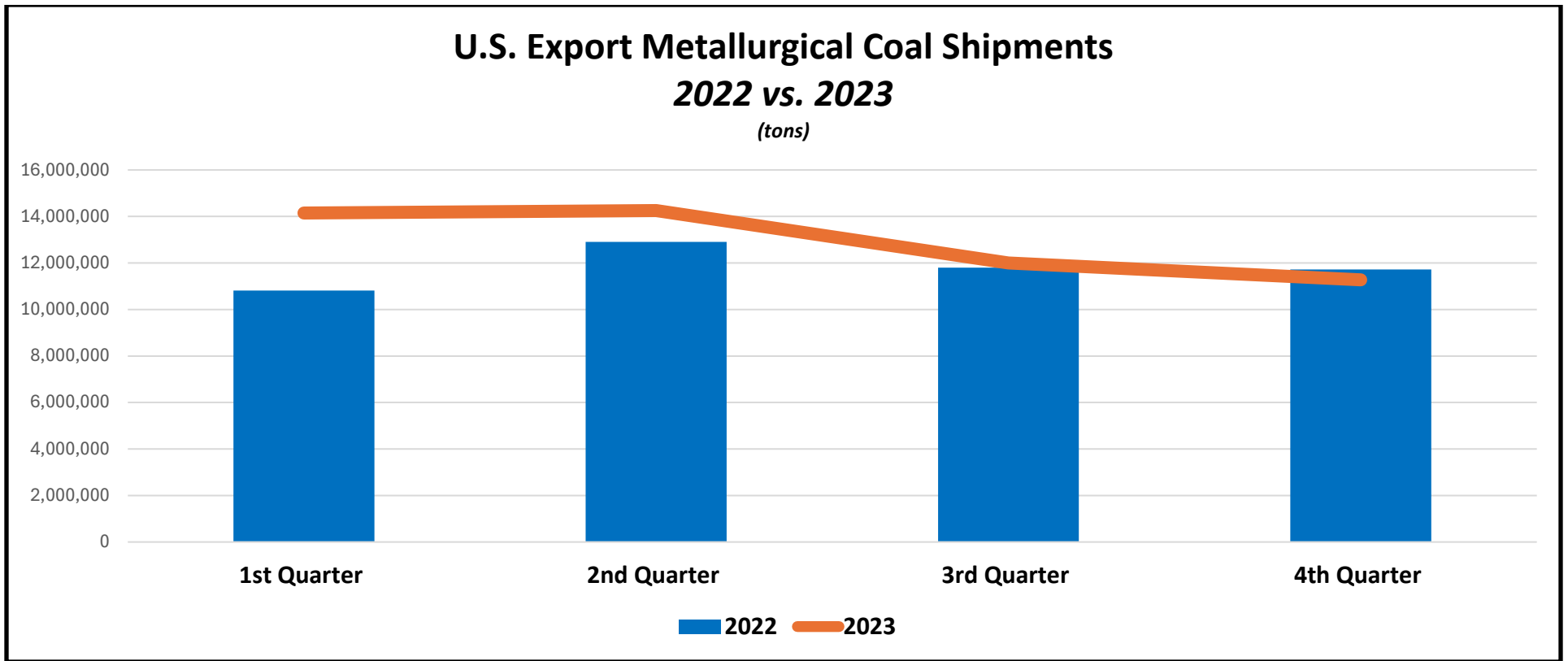
Region	West Virginia NAPP	West Virginia CAPP	<i>Total West Virginia</i>
North America	30,000	2,206,044	2,236,044
South America	310,302	1,434,333	1,744,635
Europe	2,134,005	8,584,209	10,718,214
Asia	5,151,332	8,336,077	13,487,409
Africa	50,139	149,860	199,999
Total West Virginia Met Exports	7,675,778	20,710,523	28,386,301

*Estimates based on total U.S. metallurgical coal exports as reported in U.S. Energy Information Administration Quarterly Coal Distribution Reports, EIA Quarterly Coal Reports, U.S. Commerce Department, Monthly Report EM 545 and mine level production data as reported to the U.S. Department of Labor, Mine Safety & Health Administration and West Virginia Office of Miners' Health, Safety & Training

West Virginia Metallurgical Coal Exports

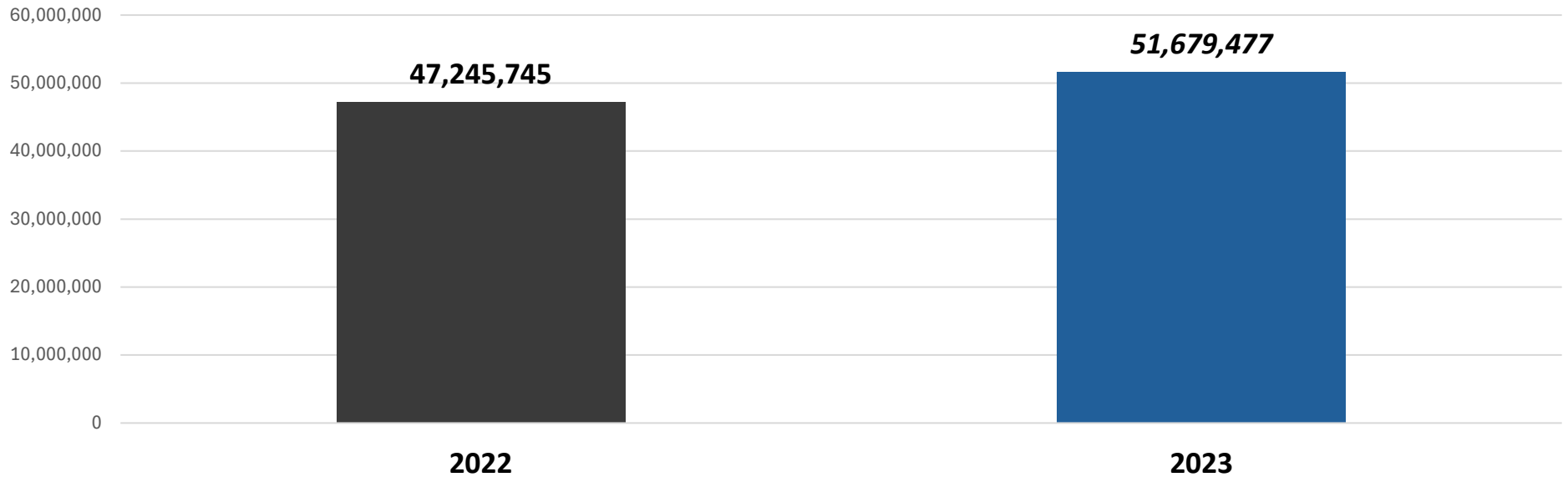
2023
(tons)





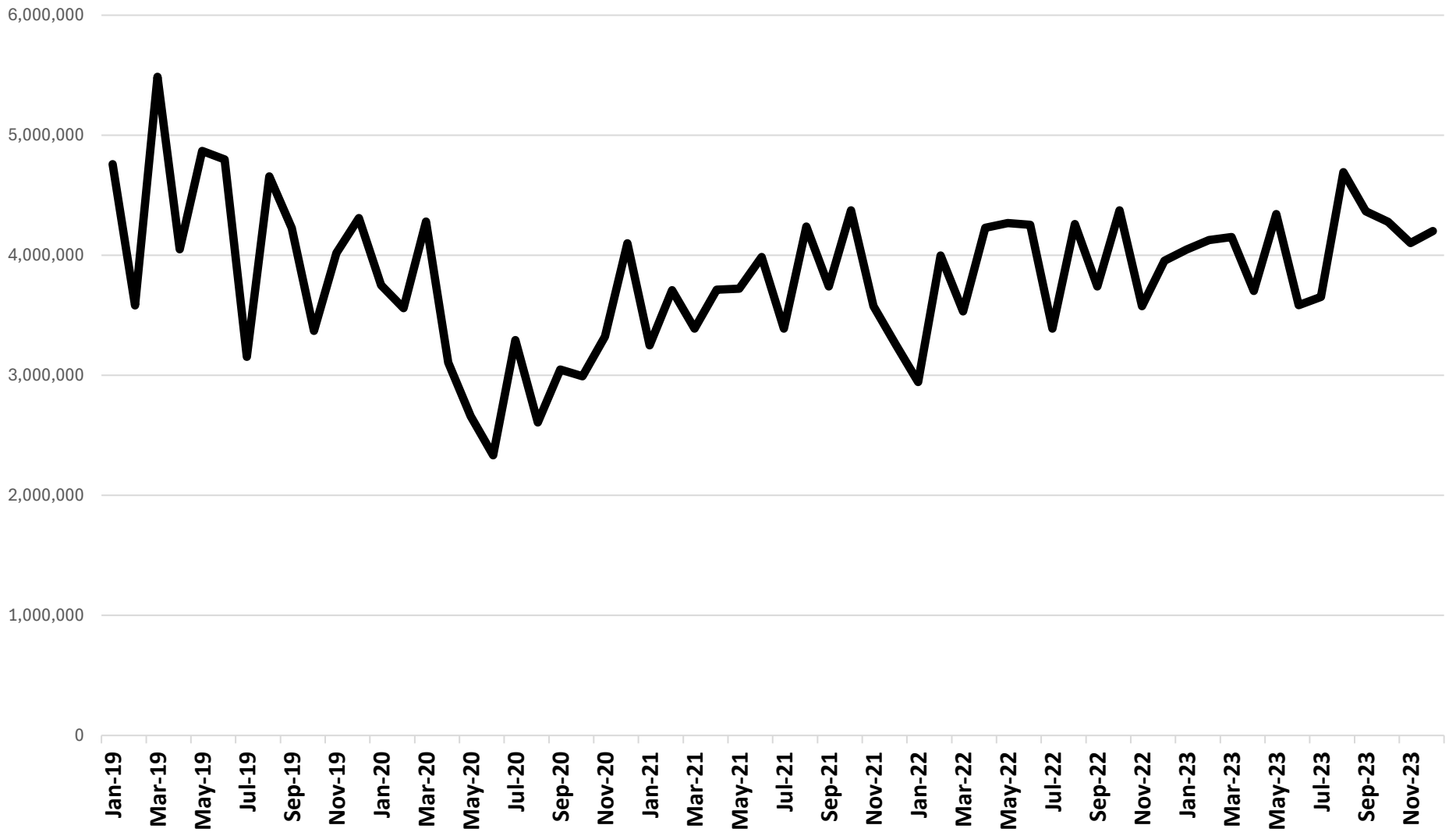
Total U.S. Export Met Coal Shipments						
(tons)						
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD	% +/-
2022	10,818,917	12,903,864	11,803,480	11,719,484	47,245,745	9.38
2023	14,145,826	14,255,033	12,003,145	11,275,443	51,679,447	
<small>Source: U.S. Energy Information Administration Form EIA-3, Quarterly Survey of Industrial, Commercial, and Institutional Coal Users, Form EIA 7-A, Annual Survey of Coal Production and Preparation, EIA Quarterly Coal Distribution Reports, U.S. Department of Labor, Mine Safety & Health Administration Form 7002-2, Quarterly Mine Employment and Coal Production Report, U.S. Commerce Department, Monthly Report EM 545</small>						
<small>*Data is based in part on mine level production as reported to U.S. Department of Labor, Mine Safety & Health Administration and West Virginia Office of Miners' Health, Safety & Training: Totals may differ slightly from total U.S. coal exports reported by U.S. Energy Information Administration and U.S. Commerce Department.</small>						

Total U.S. Export Metallurgical Coal Shipments 2022 vs. 2023 (tons)



Total U.S. Export Met Coal Shipments		
	Tons	% +/-
2022	47,245,745	9.38
2023	51,679,477	
<p>Source: U.S. Energy Information Administration Form EIA-3, Quarterly Survey of Industrial, Commercial, and Institutional Coal Users, Form EIA 7-A, Annual Survey of Coal Production and Preparation, EIA Quarterly Coal Distribution Reports, EIA Quarterly Coal Distribution Reports, U.S. Department of Labor, Mine Safety & Health Administration Form 7002-2, Quarterly Mine Employment and Coal Production Report, U.S. Commerce Department, Monthly Report EM 545</p>		
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U.S. Metallurgical Coal Exports: 2019-2023

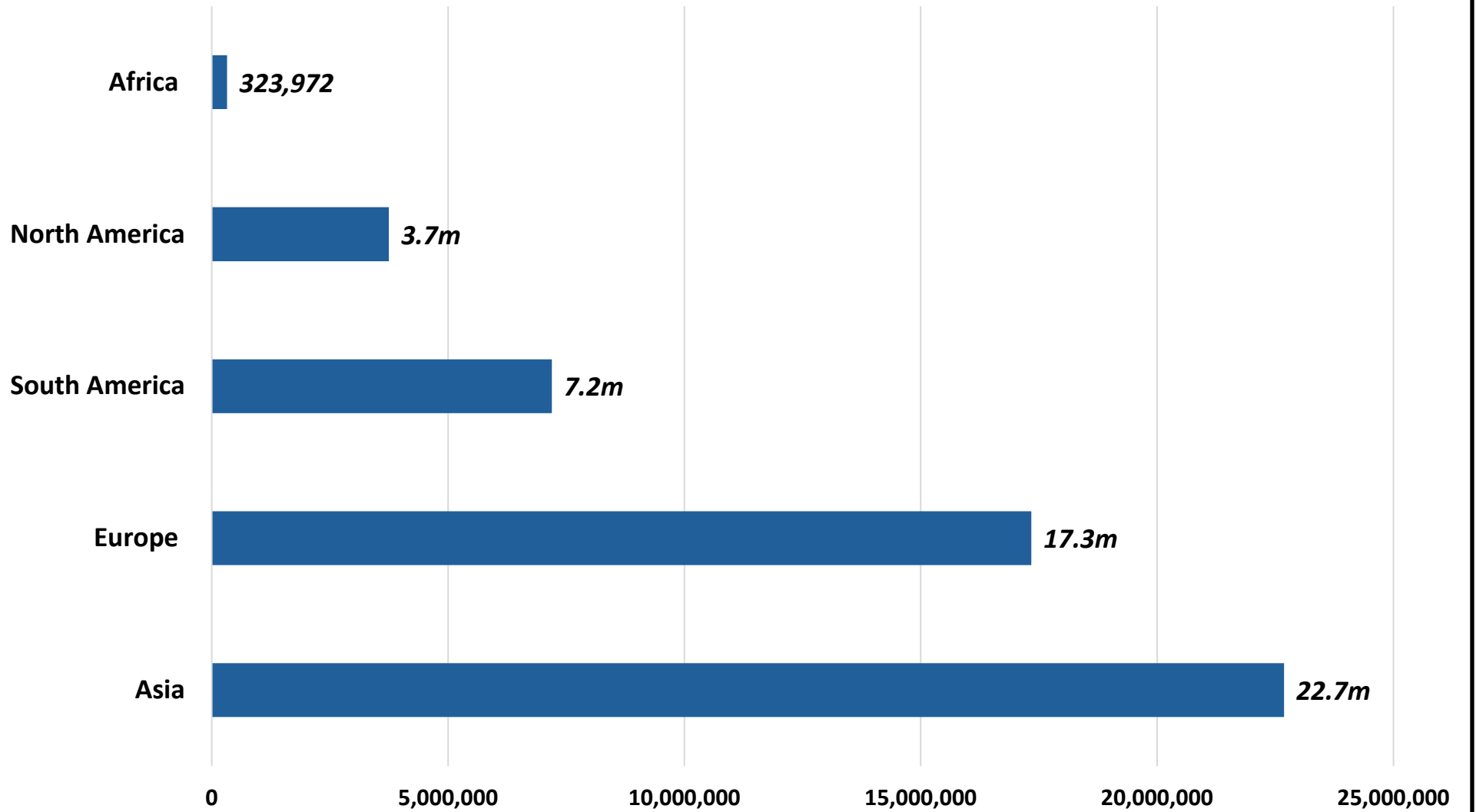


U.S. Export Metallurgical Coal Shipments						
<i>Country / Regional Distribution</i>						
2023						
(tons)						
Country / Region Destination	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD Total	YTD %+/-
Canada	276,651	950,770	1,187,158	1,271,769	3,686,348	25.40
Dominican Republic	0	0	0	0	0	0.00
Mexico	303	247	339	392	1,281	-98.80
Trinidad & Tobago	60,627	0	0	0	60,627	-52.80
<i>North America</i>	<i>337,581</i>	<i>951,017</i>	<i>1,187,497</i>	<i>1,272,161</i>	<i>3,748,256</i>	<i>10.90</i>
Argentina	46,628	85,528	91,233	44,554	267,943	-4.50
Brazil	1,949,985	1,814,809	1,610,617	1,551,755	6,927,166	17.40
<i>South America</i>	<i>1,996,613</i>	<i>1,900,337</i>	<i>1,701,850</i>	<i>1,596,309</i>	<i>7,195,109</i>	<i>16.40</i>
Austria	510,410	195,413	314,675	360,805	1,381,303	23.40
Belgium	128,970	105,104	129,152	136,789	500,015	-5.70
Bosnia- Herzegovina	0	0	0	0	0	0.00
Croatia	302,724	212,822	418,606	237,100	1,171,252	7.30
Finland	88,337	154,029	167,694	213,861	623,921	-16.00
France	357,992	199,427	303,903	234,538	1,095,860	-16.01
Germany	338,307	389,714	270,643	446,653	1,445,317	-7.90
Italy	432,466	431,779	187,192	289,573	1,341,010	-6.00
Netherlands	1,159,567	1,183,801	1,089,162	1,142,856	4,575,386	-16.30
Norway	14,769	0	13,777	12,941	41,487	-35.30
Poland	405,275	342,832	509,620	330,702	1,588,429	3.50
Romania	0	0	0	0	0	0.00
Slovakia	0	0	0	0	0	0.00
Slovenia	0	0	0	0	0	0.00
Spain	178,778	134,880	171,262	194,204	679,124	-5.70
Sweden	36,423	263,770	114,316	175,446	589,955	6.50
Turkey	301,468	446,141	237,469	544,345	1,529,423	2.00
Ukraine	0	44,092	0	84,878	128,970	-69.50
United Kingdom	196,868	194,962	89,704	89,059	570,593	-38.70
Other*	24,971	25,040	26,763	0	76,774	113.00
<i>Europe</i>	<i>4,477,325</i>	<i>4,323,806</i>	<i>4,043,938</i>	<i>4,493,750</i>	<i>17,338,819</i>	<i>-10.90</i>

Country / Region Destination	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD Total	YTD %+/-
China	1,671,772	1,065,952	1,687,759	816,091	5,241,574	95.60
India	1,926,250	2,072,050	2,539,249	2,705,848	9,243,397	9.50
Indonesia	60,627	181,544	274,472	96,974	613,617	s
Japan	1,014,957	1,437,154	1,338,394	1,347,462	5,137,967	23.30
Singapore	394,244	204,838	81,542	0	680,624	100.00
South Korea	428,110	200,110	372,676	136,482	1,137,378	-11.10
Vietnam	0	107,032	115,324	34,723	257,079	200.70
Other	0	0	184,787	189,922	374,709	s
Asia	5,495,960	5,268,680	6,594,203	5,327,502	22,686,345	34.70
Egypt	59,255	62,832	0	0	122,087	-69.80
South Africa	65,036	75,782	61,067	0	201,885	-5.80
Africa	124,291	138,614	61,067	0	323,972	-47.70
U.S. Total Met Exports	12,431,770	12,582,454	13,588,555	12,689,722	51,292,501	9.38
<p>Source: U.S. Energy Information Administration Form EIA-3, Quarterly Survey of Industrial, Commercial, and Institutional Coal Users, Form EIA 7-A, Annual Survey of Coal Production and Preparation, EIA Quarterly Coal Distribution Reports, EIA Quarterly Coal Distribution Reports, U.S. Department of Labor, Mine Safety & Health Administration Form 7002-2, Quarterly Mine Employment and Coal Production Report, U.S. Commerce Department, Monthly Report EM 545</p>						
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U.S. Metallurgical Coal Exports 2023

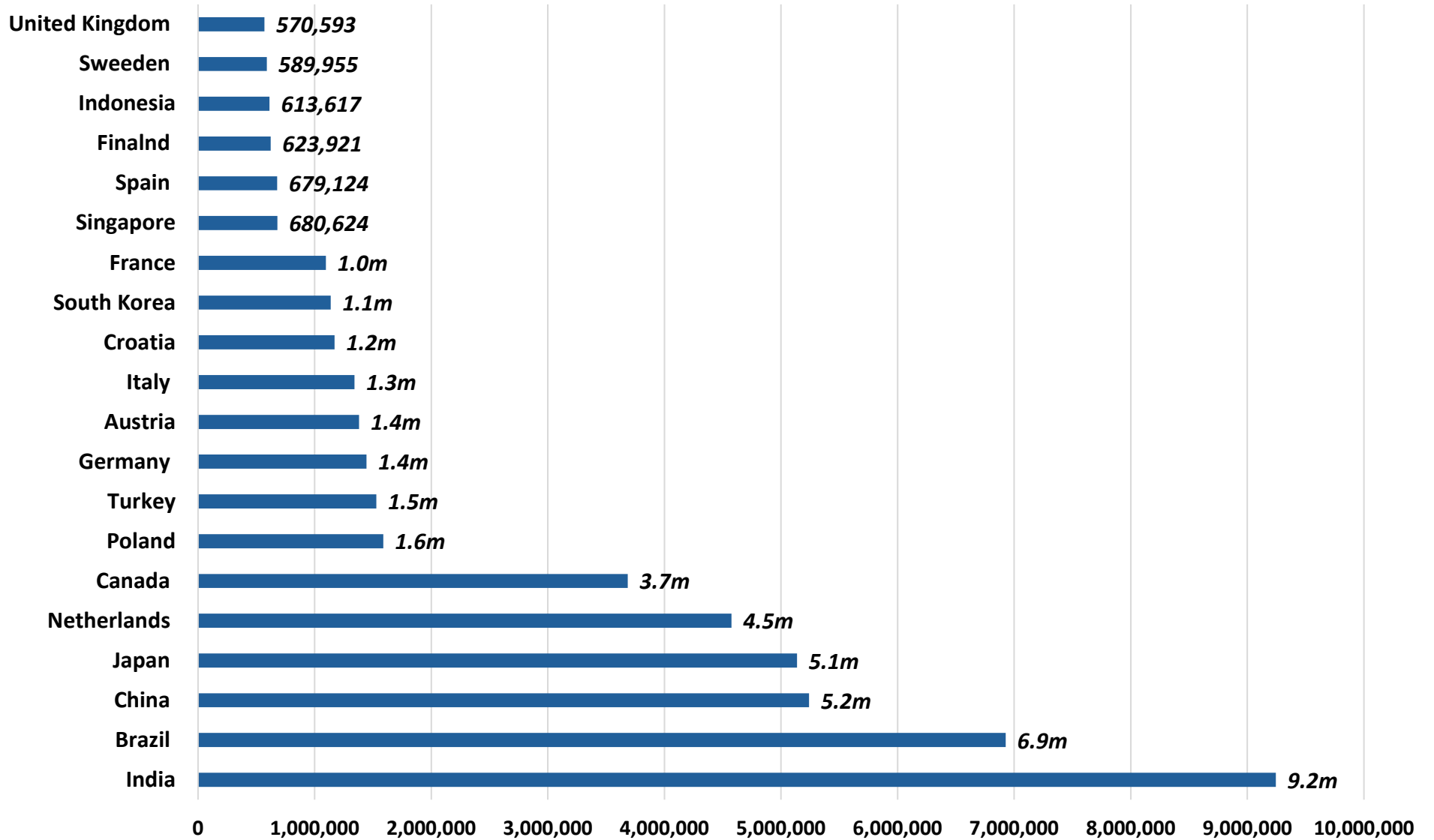
(tons)



U.S. Metallurgical Coal Exports 2023

Top 20 Destinations

(tons)

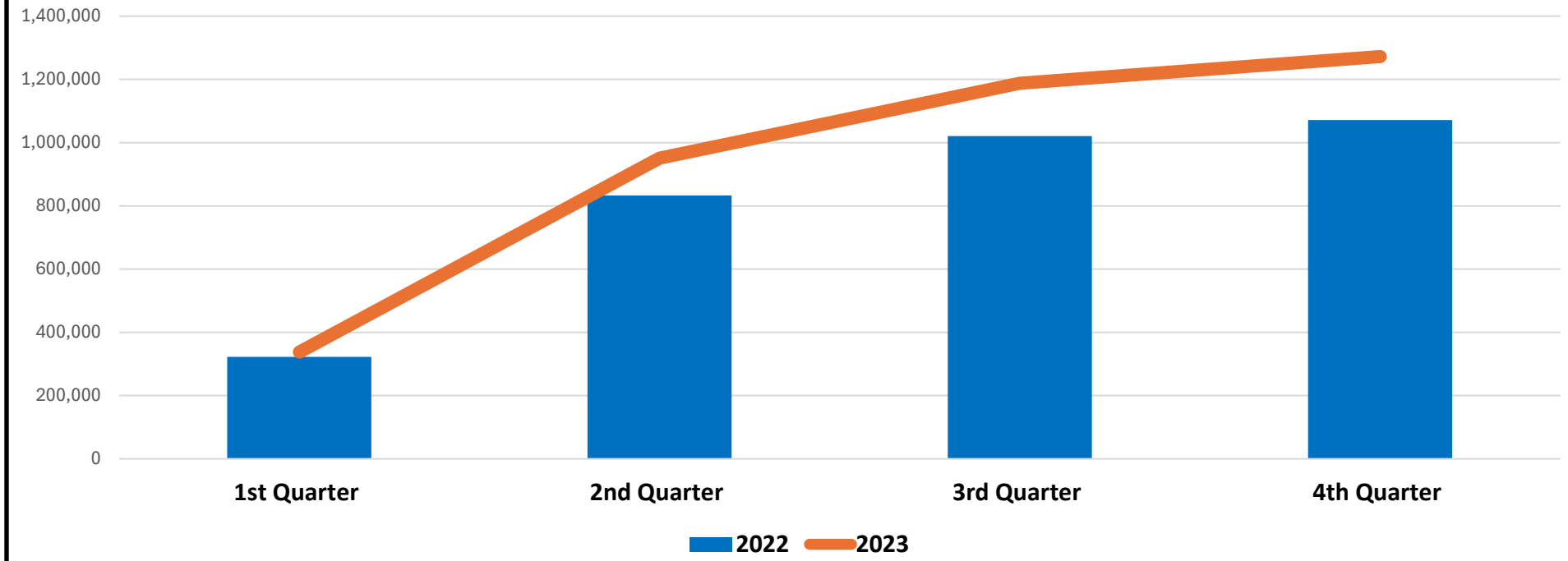


U.S. Export Metallurgical Coal Shipments

North America

2022 vs. 2023

(tons)



U.S. Export Metallurgical Coal Shipments: North America

(tons)

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	<i>YTD</i>	% +/-
2022	322,676	832,538	1,020,617	1,071,489	3,247,320	10.90
2023	337,581	951,017	1,187,497	1,272,161	3,748,256	

Source: U.S. Energy Information Administration Quarterly Coal Distribution Reports, EIA Quarterly Coal Reports, U.S. Commerce Department, Monthly Report EM 545

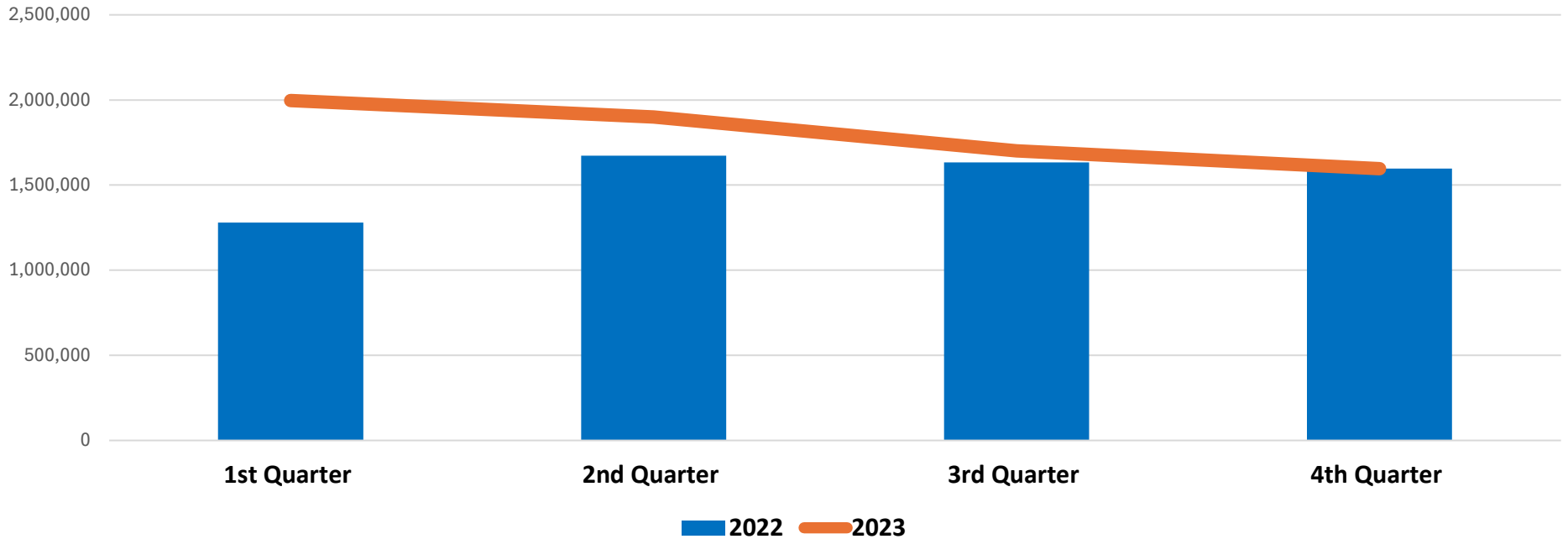
Canada, Cuba, El Salvador, Guatemala, Mexico, United States

U.S. Export Metallurgical Coal Shipments

South America

2022 vs. 2023

(tons)



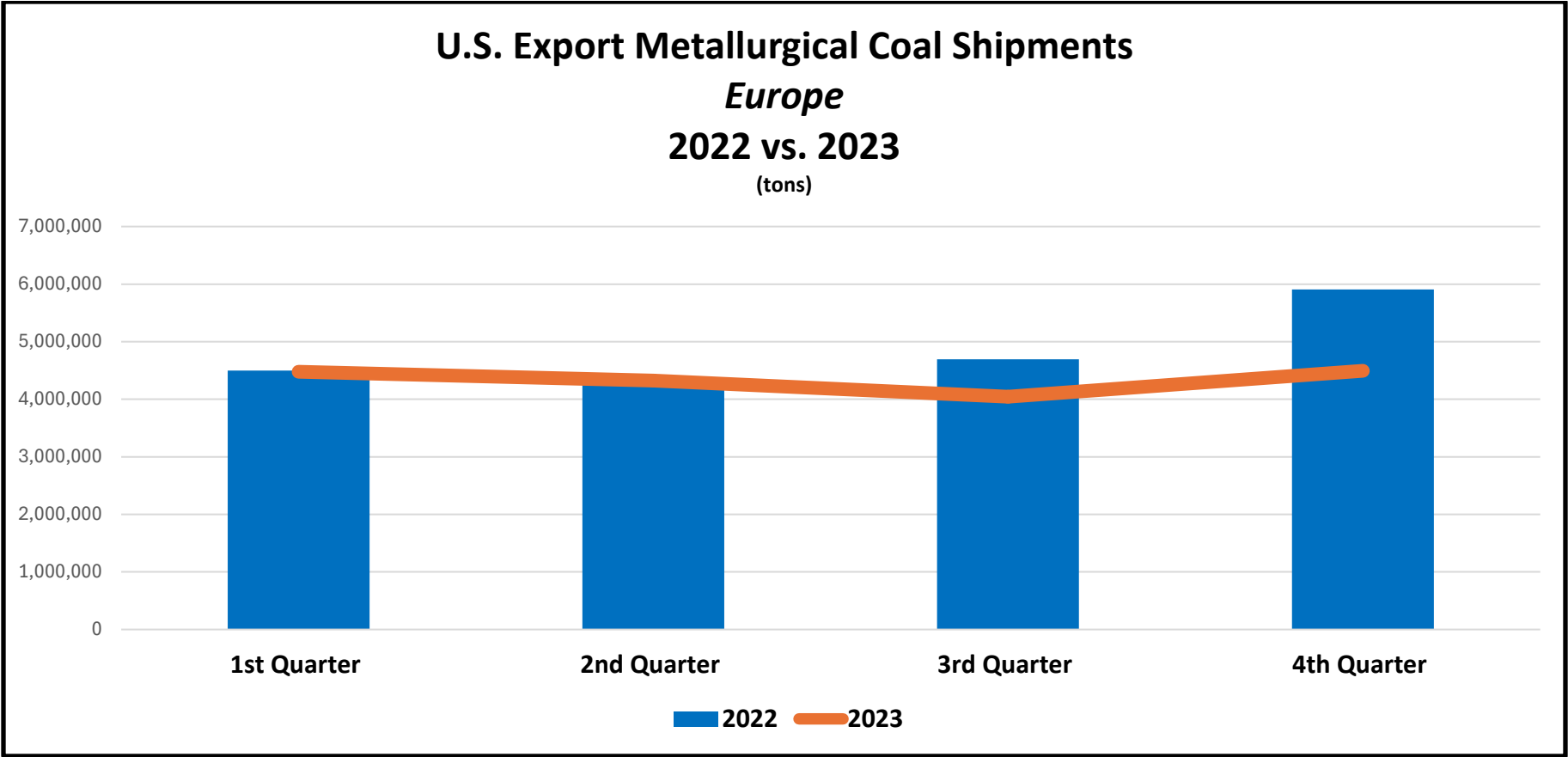
U.S. Export Metallurgical Coal Shipments: South America

(tons)

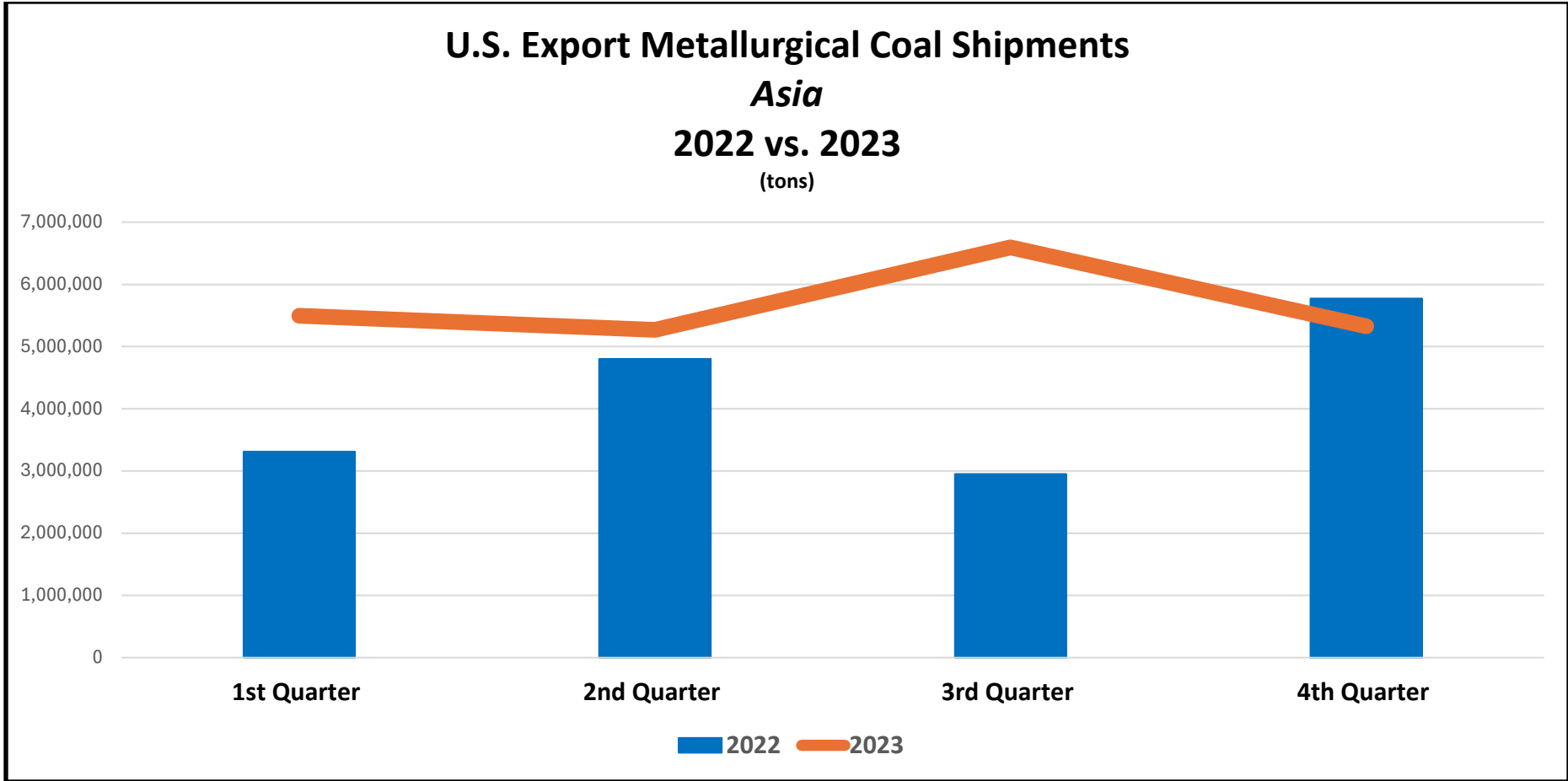
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD	% +/-
2022	1,279,101	1,672,368	1,633,497	1,596,309	6,181,275	16.40
2023	1,996,613	1,900,337	1,701,850	1,596,309	7,195,109	

Source: U.S. Energy Information Administration Quarterly Coal Distribution Reports, EIA Quarterly Coal Reports, U.S. Commerce Department, Monthly Report EM 545

Argentina, Brazil, Chile, Colombia, Ecuador, Paraguay, Peru, Uruguay, Venezuela



U.S. Export Metallurgical Coal Shipments: Europe						
(tons)						
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD	% +/-
2022	4,498,659	4,358,779	4,695,104	5,905,965	19,458,507	-10.90
2023	4,477,325	4,323,806	4,043,938	4,493,750	17,338,819	
Source: U.S. Energy Information Administration Quarterly Coal Distribution Reports, EIA Quarterly Coal Reports, U.S. Commerce Department, Monthly Report EM 545						
Includes EU, non-EU countries and Turkey						



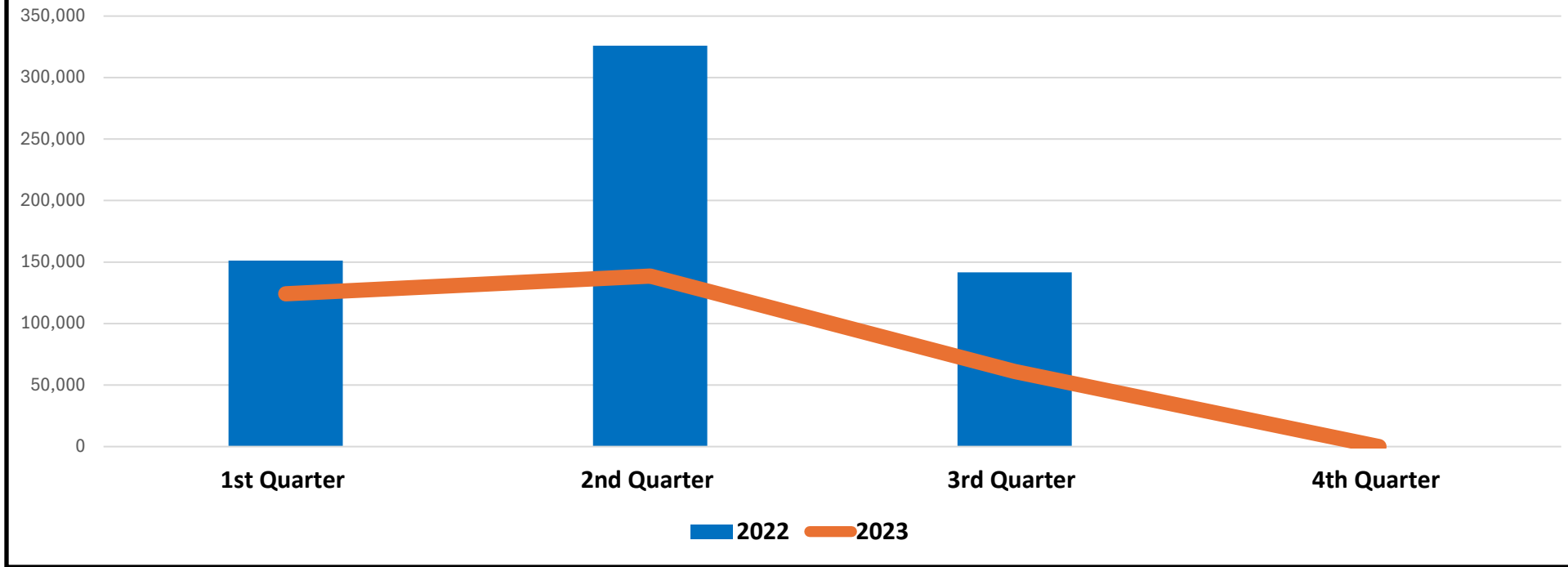
U.S. Export Metallurgical Coal Shipments: Asia						
(tons)						
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD	% +/-
2022	3,312,606	4,800,044	2,952,181	5,773,314	16,838,145	34.70
2023	5,495,960	5,268,680	6,594,203	5,327,502	22,686,345	
Source: U.S. Energy Information Administration Quarterly Coal Distribution Reports, EIA Quarterly Coal Reports, U.S. Commerce Department, Monthly Report EM 545						
Australia, China, India, Japan, Mongolia, New Zealand, Pakistan, South Korea, Taiwan, Thailand, Vietnam						

U.S. Export Metallurgical Coal Shipments

Africa

2022 vs. 2023

(tons)



U.S. Export Metallurgical Coal Shipments: Africa

(tons)

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD	% +/-
2022	151,161	325,971	141,736	0	618,868	18.45
2023	124,291	138,614	61,067	0	323,972	

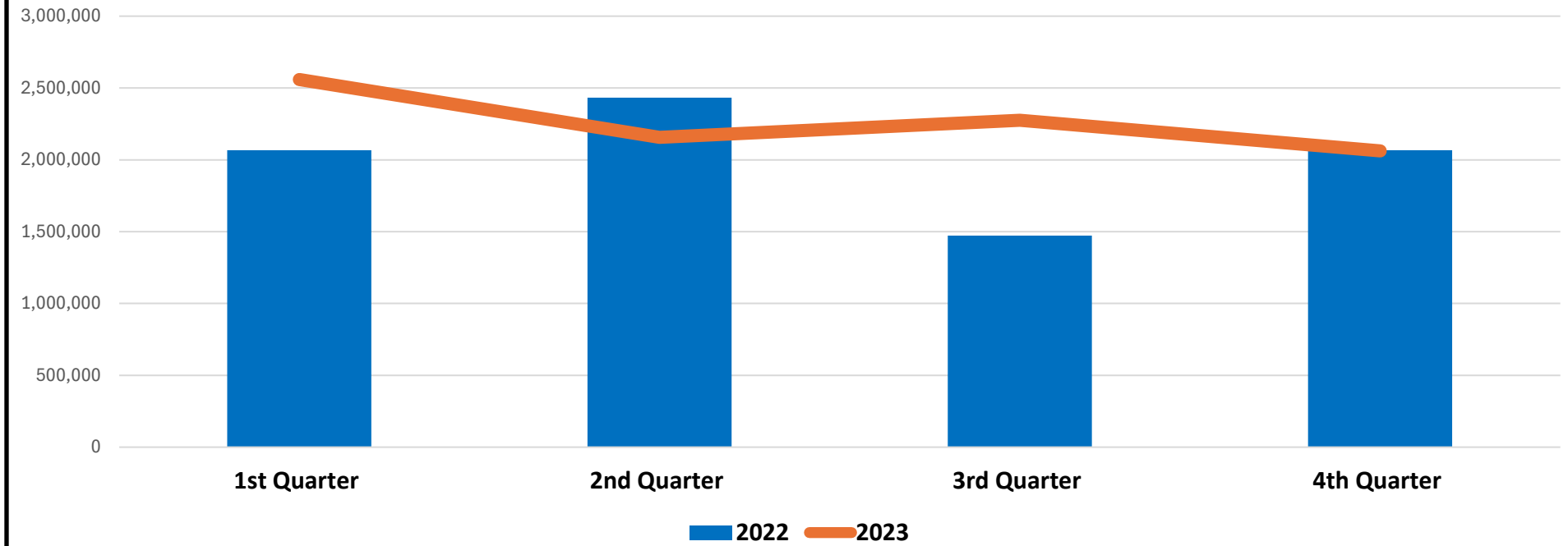
Source: U.S. Energy Information Administration Quarterly Coal Distribution Reports, EIA Quarterly Coal Reports, U.S. Commerce Department, Monthly Report EM 545

Algeria, Egypt, Libya, Morocco, South Africa, Tunisia

U.S. Export Metallurgical Coal Shipments						
<i>Port & Customs District</i>						
2023						
(tons)						
Port/ District	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD Total	YTD %+/-
Norfolk, VA	6,973,110	7,147,808	7,164,586	7,466,882	28,752,386	3.80
Baltimore, MD	2,558,823	2,157,249	2,274,915	2,062,201	9,053,188	12.60
Buffalo, NY	211,289	709,187	916,632	981,922	2,819,030	46.40
Ogdensburg, NY	3,499	2,875	2,353	2,315	11,042	69.50
St. Albans, VT	0	79	0	0	79	-62.40
New York City, NY	0	0	0	0	0	0.00
Philadelphia, PA	0	0	0	0	0	0.00
Portland, ME	0	0	0	0	0	0.00
<i>Eastern Total</i>	9,746,721	10,017,198	10,358,486	10,513,320	40,635,725	7.90
Mobile, AL	2,163,297	1,831,044	2,617,023	1,770,305	8,381,669	14.40
New Orleans, LA	459,564	473,269	344,534	118,173	1,395,540	270.20
Laredo, TX	303	247	339	392	1,281	-17.20
Houston, TX	22	0	0	0	22	100.00
Savannah, GA	0	19	0	0	19	11.80
Miami, FL	0	2	0	0	2	0.00
<i>Southern Total</i>	2,623,186	2,304,581	2,961,896	1,888,870	9,778,533	25.30
Great Falls, MT	0	0	0	0	0	0.00
San Diego, CA	0	0	0	0	0	0.00
Western Total	0	0	0	0	0	0.00
Cleveland, OH	61,729	249,652	224,011	67,364	602,756	-36.50
Detroit, MI	0	11,023	44,152	220,158	275,333	s
Pembina, ND	134	10	10	0	154	0.50
Chicago, IL	0	0	0	0	0	0.00
Northern Total	61,863	260,685	268,173	287,522	878,243	-12.80
<i>U.S. Total Met Exports</i>	12,431,770	12,582,454	13,588,555	12,689,722	51,292,501	9.38

Source: U.S. Energy Information Administration Form EIA-3, *Quarterly Survey of Industrial, Commercial, and Institutional Coal Users*, Form EIA 7-A, *Annual Survey of Coal Production and Preparation*, *EIA Quarterly Coal Distribution Reports*, *EIA Quarterly Coal Distribution Reports*, U.S. Department of Labor, Mine Safety & Health Administration Form 7002-2, *Quarterly Mine Employment and Coal Production Report*, U.S. Commerce Department, *Monthly Report EM 545*

U.S. Export Metallurgical Coal Shipments
Baltimore
2022 vs. 2023
(tons)



U.S. Export Metallurgical Coal Shipments: Baltimore						
<i>(tons)</i>						
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD	% +/-
2022	2,066,091	2,432,028	1,472,548	2,066,901	8,037,568	12.60
2023	2,558,823	2,157,249	2,274,915	2,062,201	9,053,188	

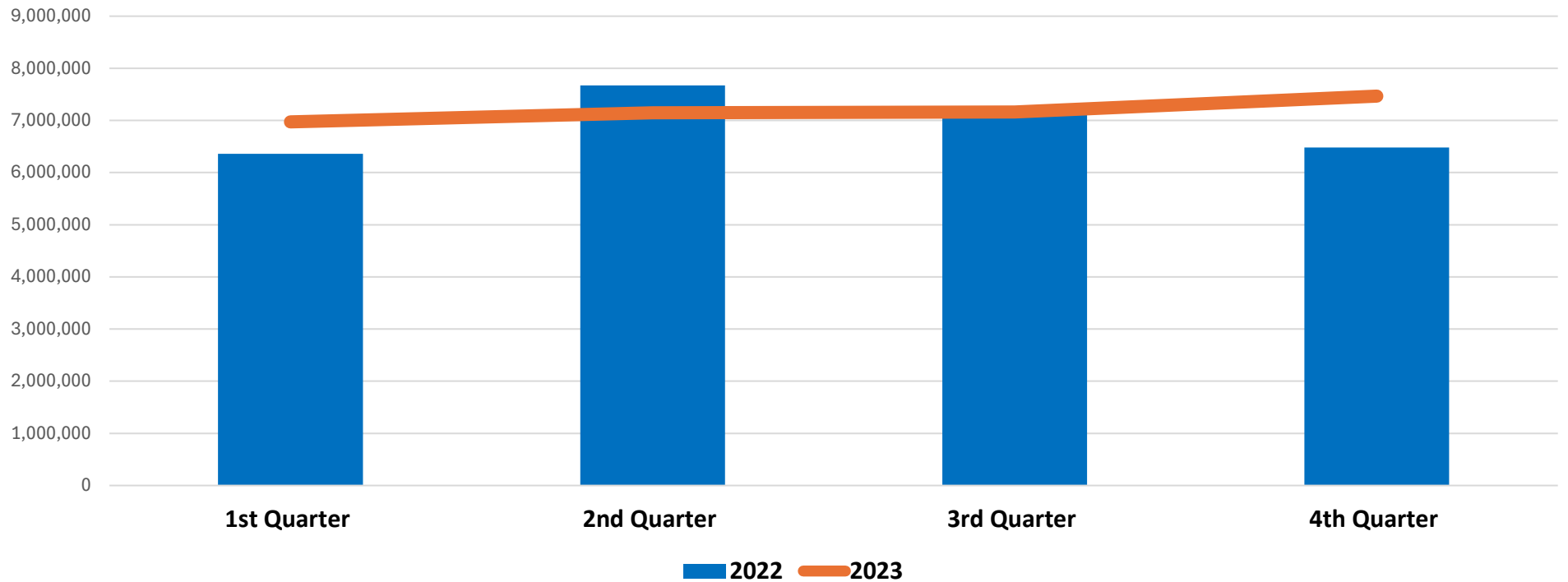
Source: U.S. Energy Information Administration Quarterly Coal Distribution Reports, EIA Quarterly Coal Reports, U.S. Commerce Department, Monthly Report EM 545

U.S. Export Metallurgical Coal Shipments

Norfolk

2022 vs. 2023

(tons)



U.S. Export Metallurgical Coal Shipments: Norfolk

(tons)

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD	% +/-
2022	6,359,464	7,673,829	7,182,253	6,480,848	27,696,394	3.80
2023	6,973,110	7,147,808	7,164,586	7,466,882	28,752,386	

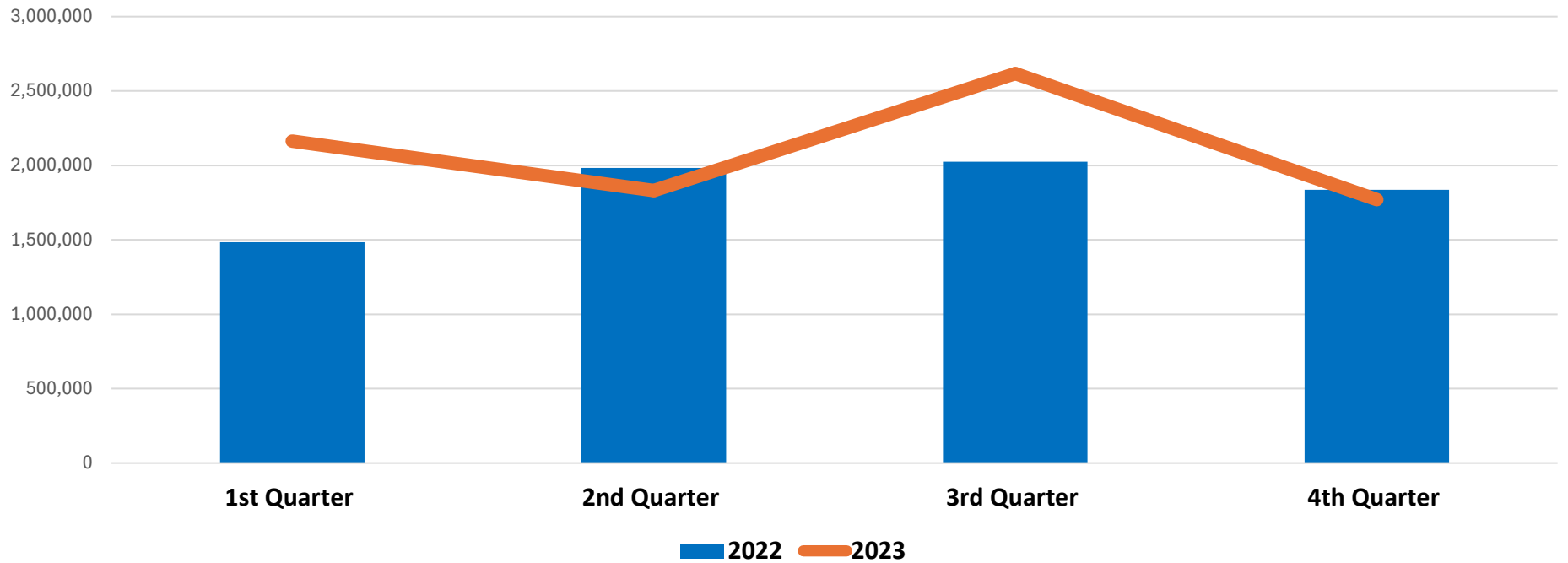
Source: U.S. Energy Information Administration Quarterly Coal Distribution Reports, EIA Quarterly Coal Reports, U.S. Commerce Department, Monthly Report EM 545

U.S. Export Metallurgical Coal Shipments

Mobile

2022 vs. 2023

(tons)



U.S. Export Metallurgical Coal Shipments: Mobile

(tons)

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD	% +/-
2022	1,483,704	1,982,526	2,024,901	1,835,749	7,326,880	14.40
2023	2,163,297	1,831,044	2,617,023	1,770,305	8,381,669	

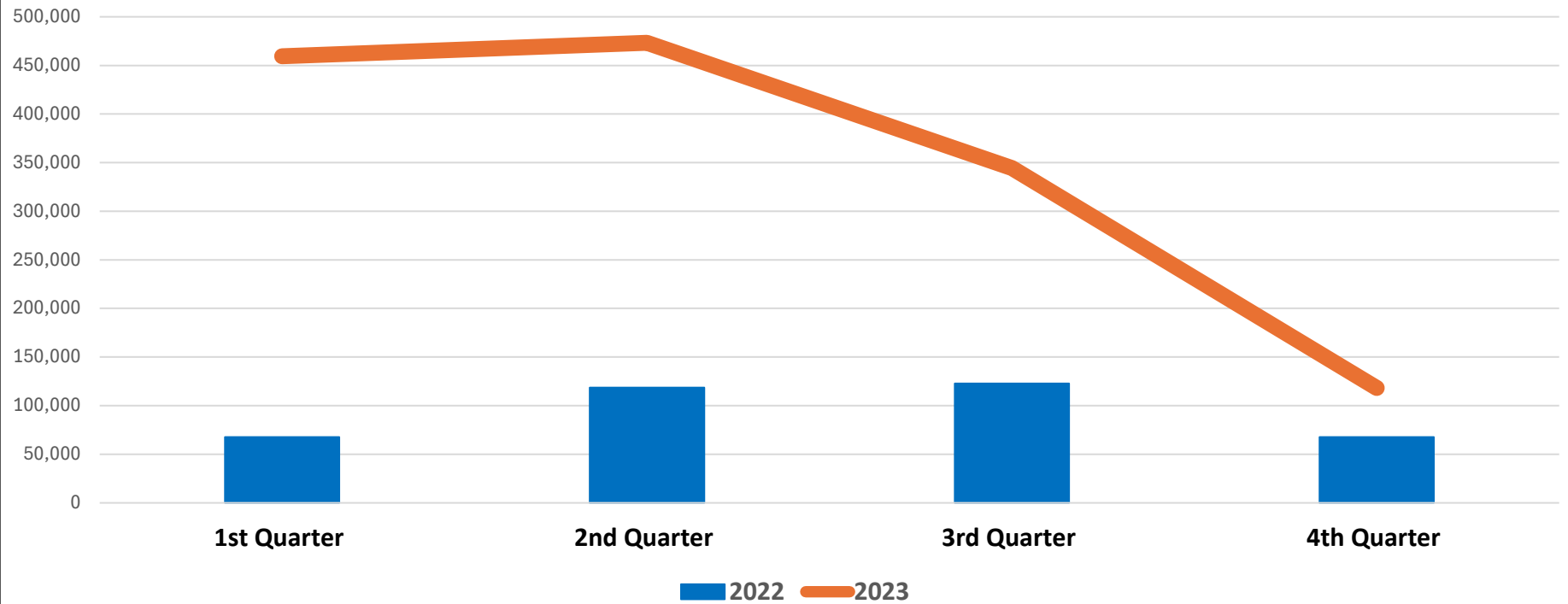
Source: U.S. Energy Information Administration Quarterly Coal Distribution Reports, EIA Quarterly Coal Reports, U.S. Commerce Department, Monthly Report EM 545

U.S. Export Metallurgical Coal Shipments

New Orleans

2022 vs. 2023

(tons)



U.S. Export Metallurgical Coal Shipments: New Orleans

(tons)

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD	% +/-
2022	67,681	118,689	122,881	67,681	376,932	270.20
2023	459,564	473,269	344,534	118,173	1,395,540	

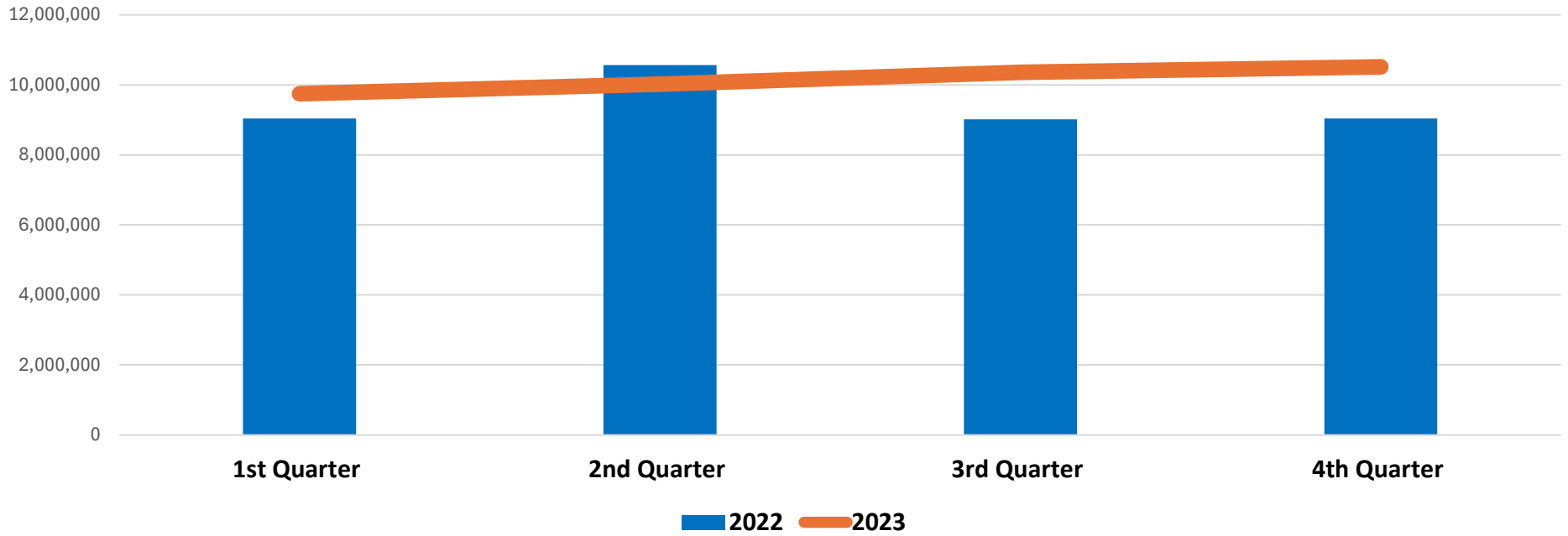
Source: U.S. Energy Information Administration Quarterly Coal Distribution Reports, EIA Quarterly Coal Reports, U.S. Commerce Department, Monthly Report EM 545

U.S. Export Metallurgical Coal Shipments

Eastern Region Total

2022 vs. 2023

(tons)



U.S. Export Metallurgical Coal Shipments: Eastern Region Total

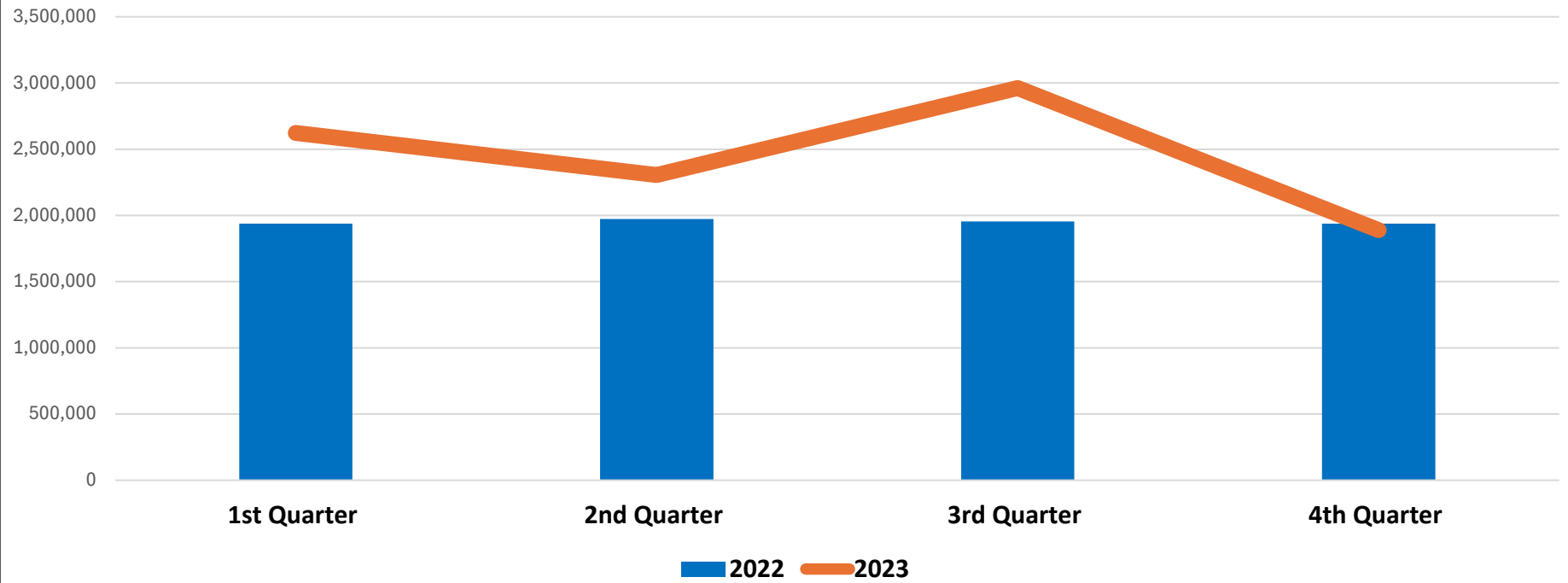
(tons)

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD	% +/-
2022	9,041,171	10,566,023	9,017,679	9,041,171	37,666,044	7.90
2023	9,746,721	10,017,198	10,358,486	10,513,320	40,635,725	

Source: U.S. Energy Information Administration Quarterly Coal Distribution Reports, EIA Quarterly Coal Reports, U.S. Commerce Department, Monthly Report EM 545

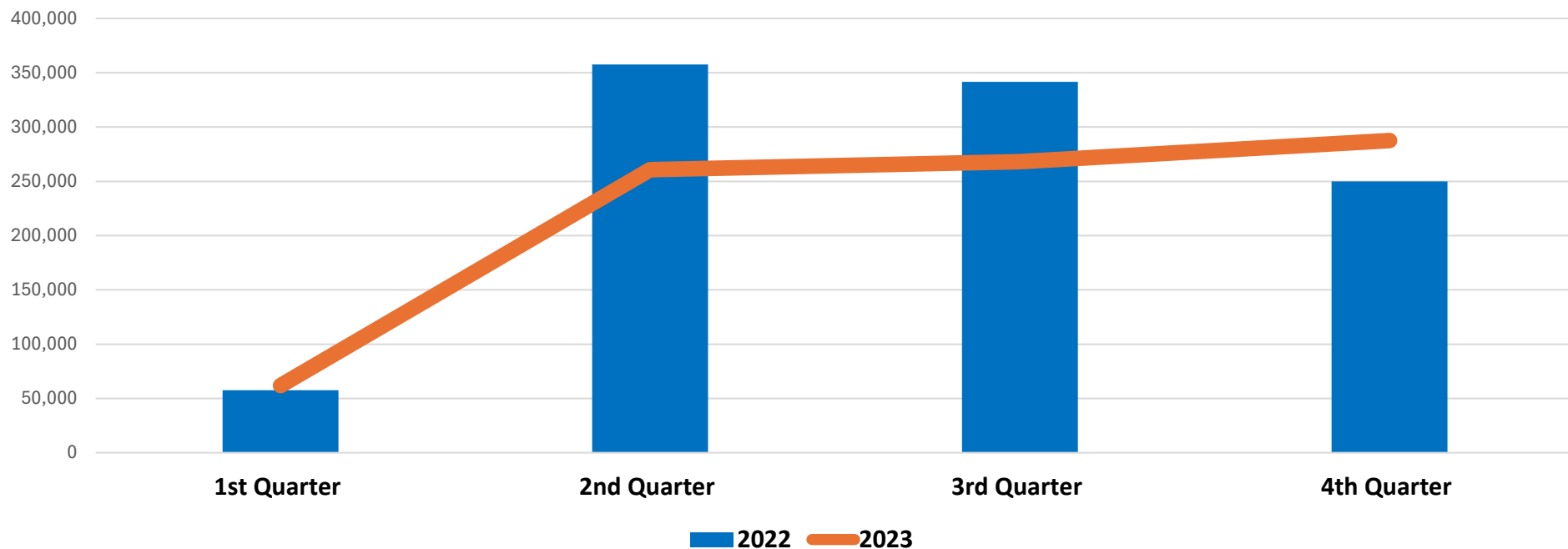
Baltimore, Md, Buffalo, NY, Norfolk, VA, Ogdensburg, NY, St. Albans, VT, Portland, ME

Total U.S. Export Metallurgical Coal Shipments
Southern Region Total
2022 vs. 2023
 (tons)

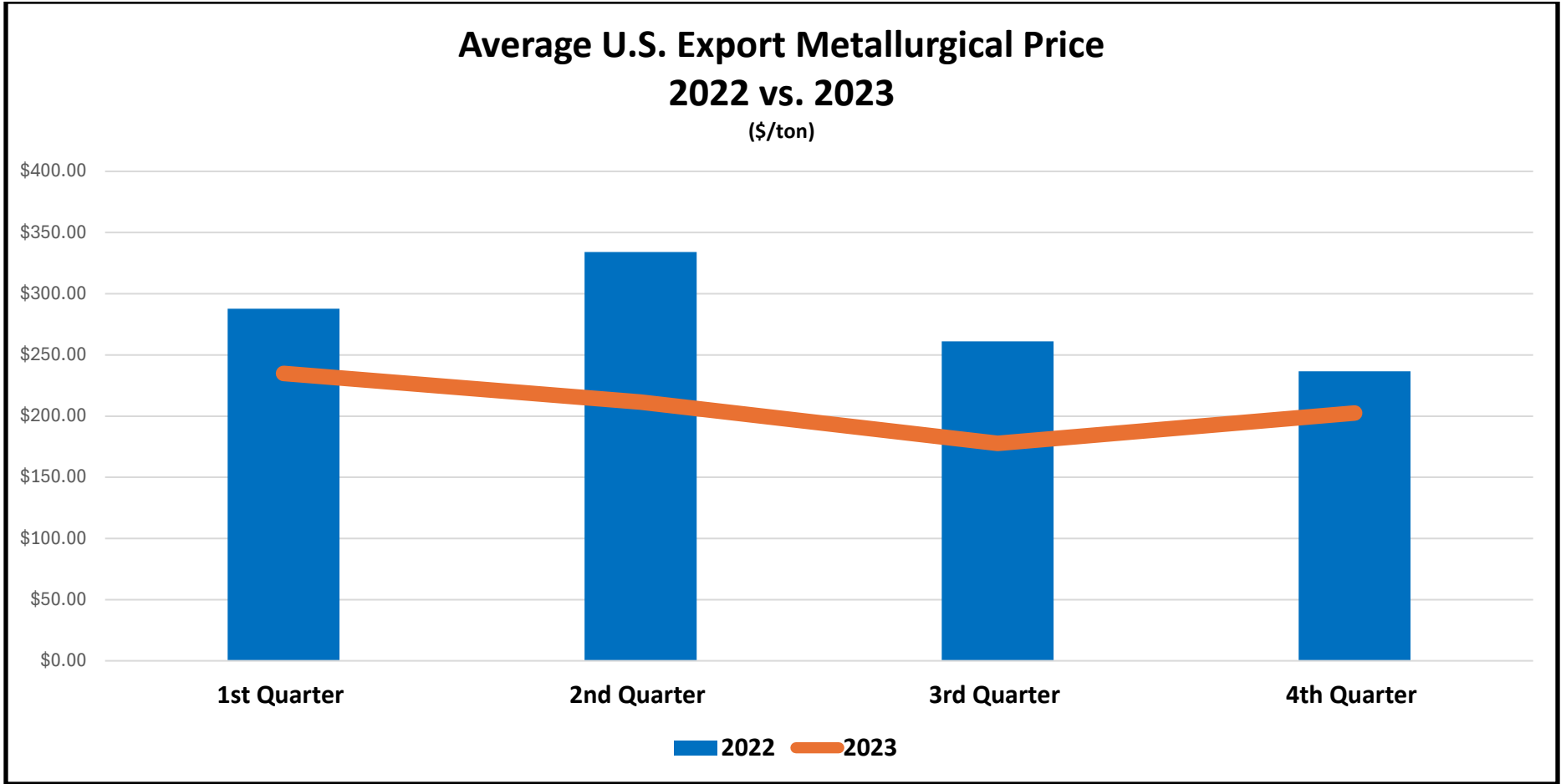


U.S. Export Metallurgical Coal Shipments: Southern Region Total						
(tons)						
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD	% +/-
2022	1,938,622	1,973,149	1,954,484	1,938,622	7,804,877	25.30
2023	2,623,186	2,304,581	2,961,896	1,888,870	9,778,533	
Source: U.S. Energy Information Administration Quarterly Coal Distribution Reports, EIA Quarterly Coal Reports, U.S. Commerce Department, Monthly Report EM 545						
El Paso, TX, Houston, TX, Laredo, TX, Mobile, AL, New Orleans, LA						

U.S. Export Metallurgical Coal Shipments
Northern Region Total
2022 vs. 2023
 (tons)

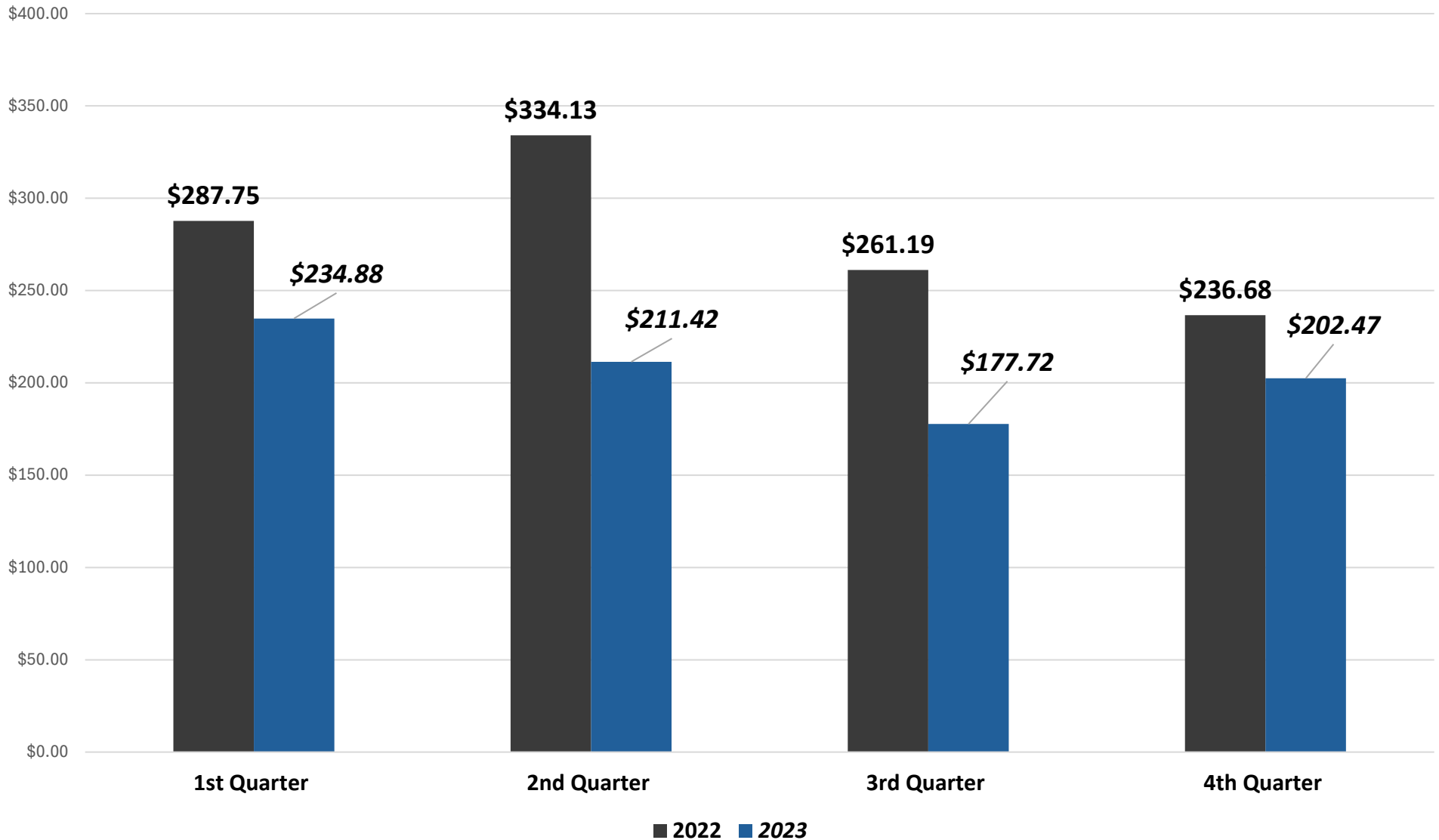


U.S. Export Metallurgical Coal Shipments: Northern Region Total						
(tons)						
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD	% +/-
2022	57,596	357,719	341,633	250,011	1,006,959	-12.80
2023	61,863	260,685	268,173	287,522	878,243	
Source: U.S. Energy Information Administration Quarterly Coal Distribution Reports, EIA Quarterly Coal Reports, U.S. Commerce Department, Monthly Report EM 545						
Cleveland, OH, Detroit, MI, Minneapolis, MN, Pembina, ND						

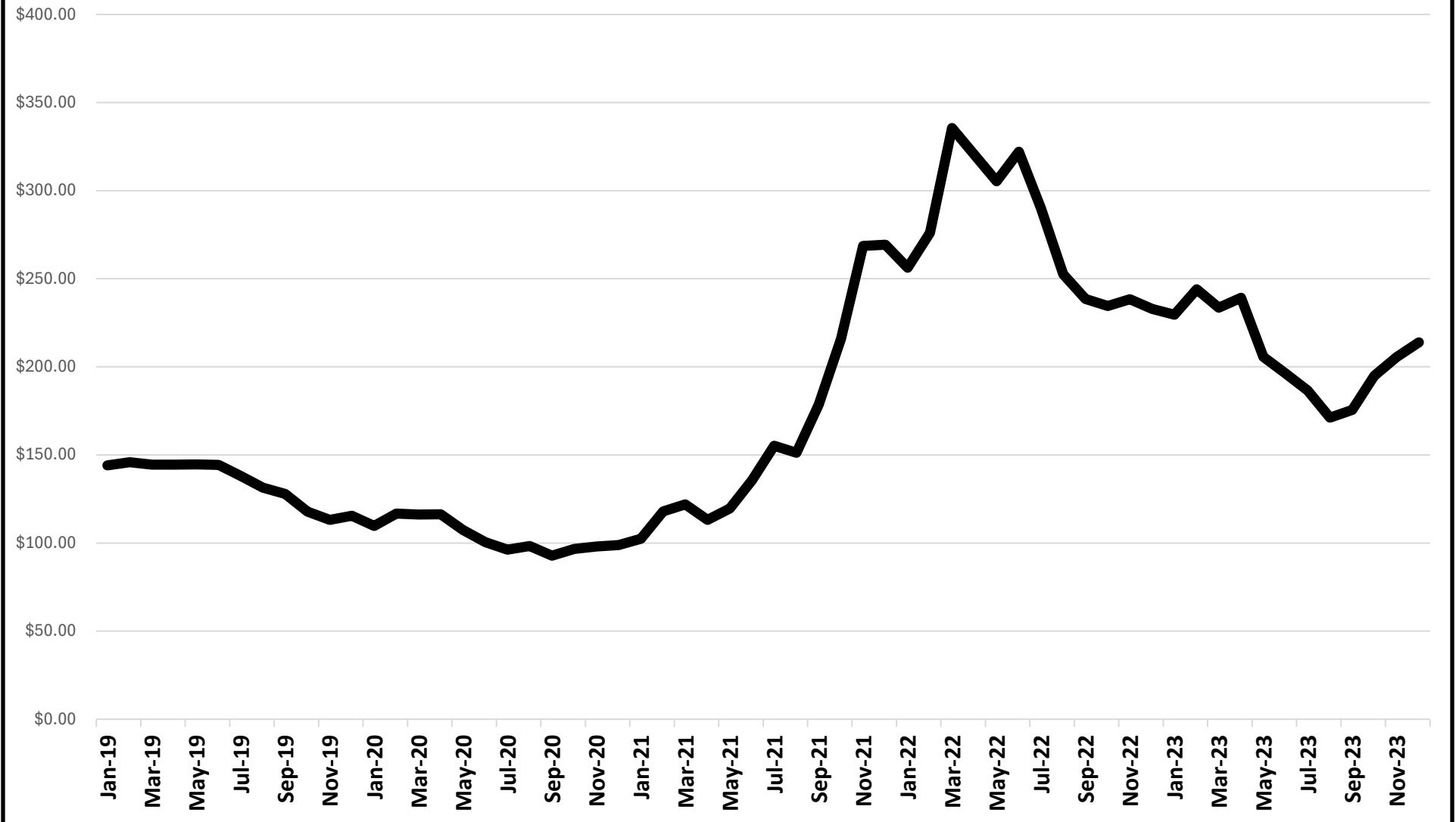


Average U.S. Metallurgical Coal Export Price						
(\$/ton)						
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD	% +/-
2022	\$287.75	\$334.13	\$261.19	\$236.68	\$284.49	-27.60
2023	\$234.88	\$211.42	\$177.72	\$202.47	\$205.96	
Source: U.S. Energy Information Administration Quarterly Coal Distribution Reports, EIA Quarterly Coal Reports, U.S. Commerce Department, Monthly Report EM 545						

Average U.S. Export Metallurgical Price 2022 vs. 2023 (\$/ton)



U.S. Metallurgical Coal Export Pricing: 2019- 2022 YTD (\$/ton)



Regional Global Steel Production

2023

(million metric tons)

Region	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	2023 Total	YTD %+/-
Africa	3.7	3.8	4.2	5.6	17.30	26.27
Asia	338.9	360	346.3	310	1,355.20	0.44
<i>Russia, Ukraine & CIS</i>	20.5	23.3	22.2	21.9	87.90	4.51
Europe*	42.2	43.7	40.5	41.5	167.90	-7.39
Middle East	10.4	13	9.5	14.7	47.60	10.69
North America	26.7	28.2	27.6	27.5	110.00	-2.30
South America	10.3	10.9	10.2	10.1	41.50	-9.58
Total	452.8	491.4	460.4	431.2	1,835.80	5.24

Source: World Steel Association

Global Steel Production

2023

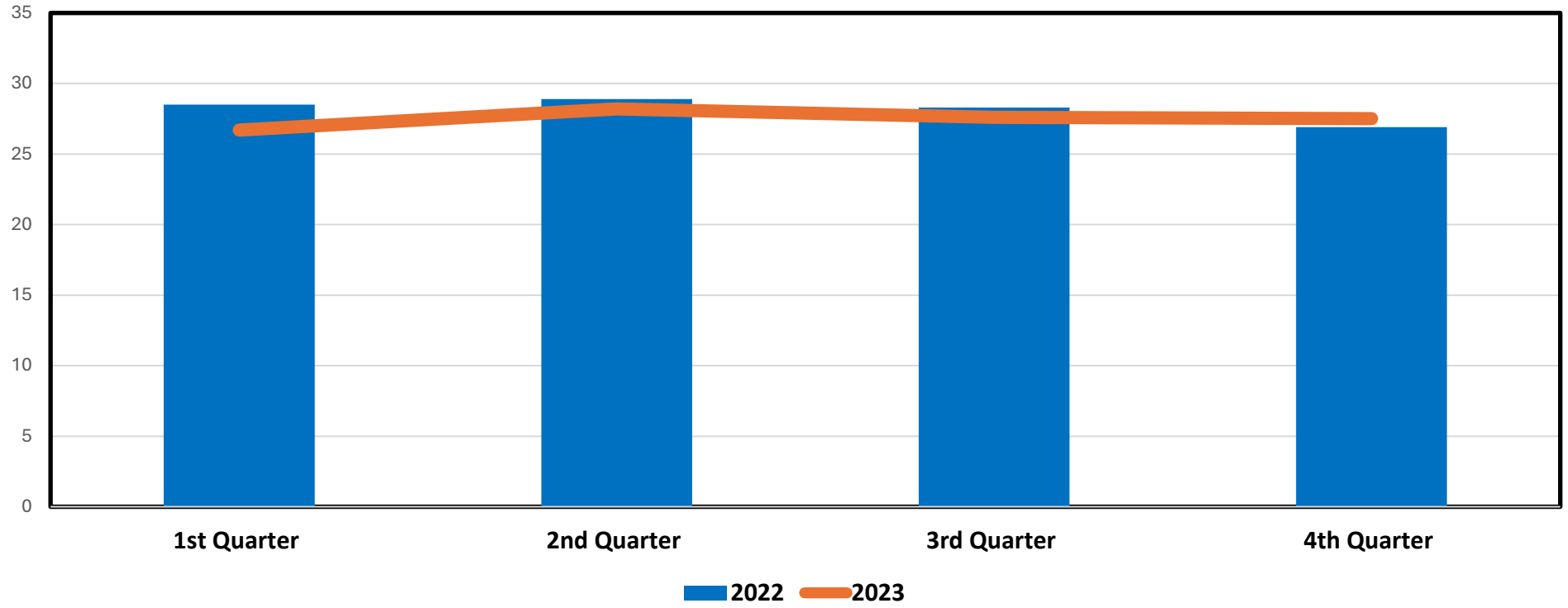
Top Steel Producing Countries

(million metric tons)

Country	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	2023 Total	YTD %+/-
China	255.3	273.8	259.3	222.6	1,011.0	0.24
India	32.4	33.1	35	35.9	136.4	9.82
Japan	21.6	22.1	21.5	21.6	86.8	-2.69
United States	19.2	20.3	20.6	20.2	80.3	-1.95
Russia	18	19	18.9	18.7	74.6	5.37
South Korea	16.5	17	16.8	16.3	66.6	10.45
Germany	9.2	9.3	8.7	8.2	35.4	-3.80
Turkey	7.9	8.2	8.6	9.2	33.9	-3.69
Brazil	7.8	8.8	8	7.8	32.4	-3.57
Iran	6.9	9.3	6	9	31.2	6.12
Total	394.8	420.9	403.4	369.5	1,588.6	1.84

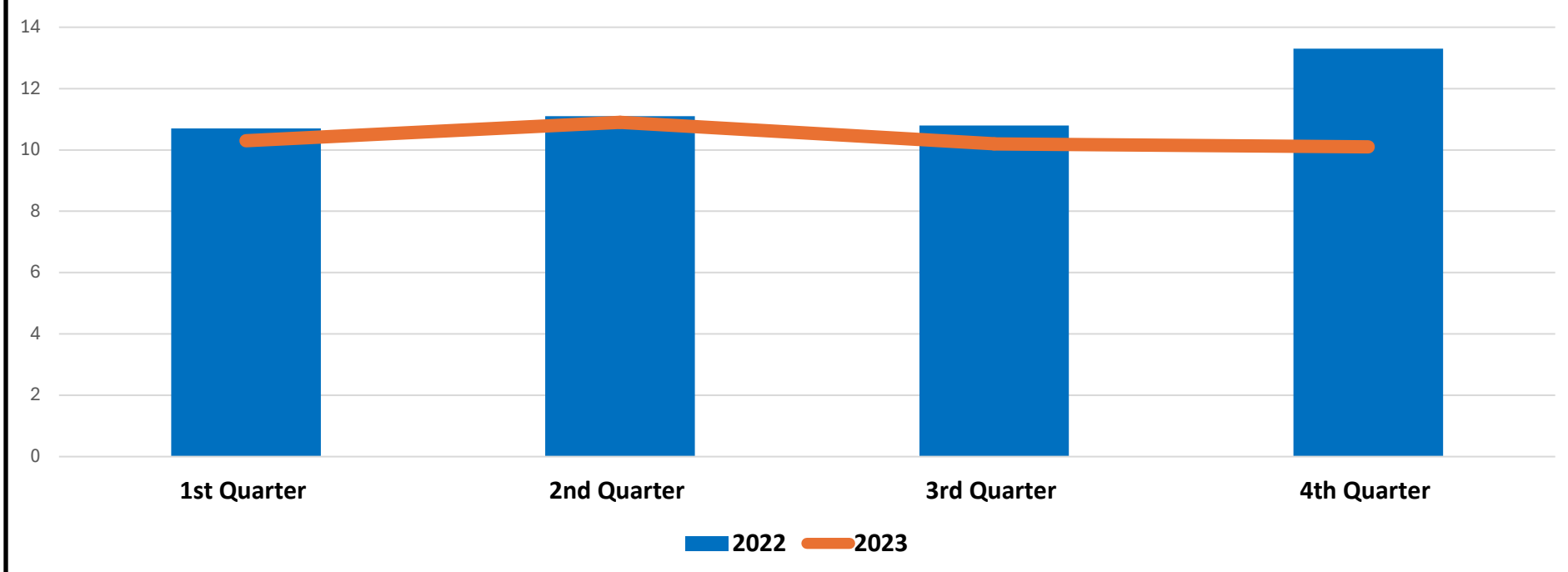
Source: World Steel Association

Steel Production
North America
2022 vs. 2023
(million metric tons)



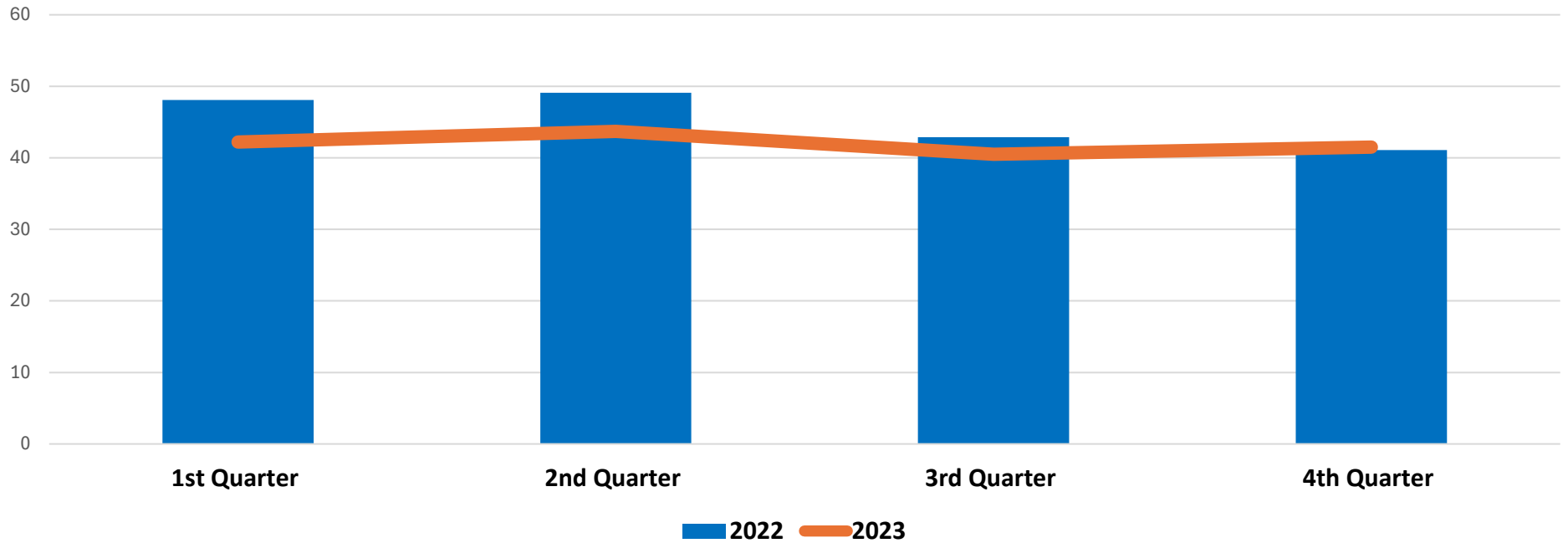
Steel Production: North America						
<i>(million metric tons)</i>						
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD	% +/-
2022	28.5	28.9	28.3	26.9	112.6	-2.30
2023	26.7	28.2	27.6	27.5	110.0	
Source: World Steel Association						
Canada, Cuba, El Salvador, Guatemala, Mexico, United States						

Steel Production
South America
2022 vs. 2023
(million metric tons)



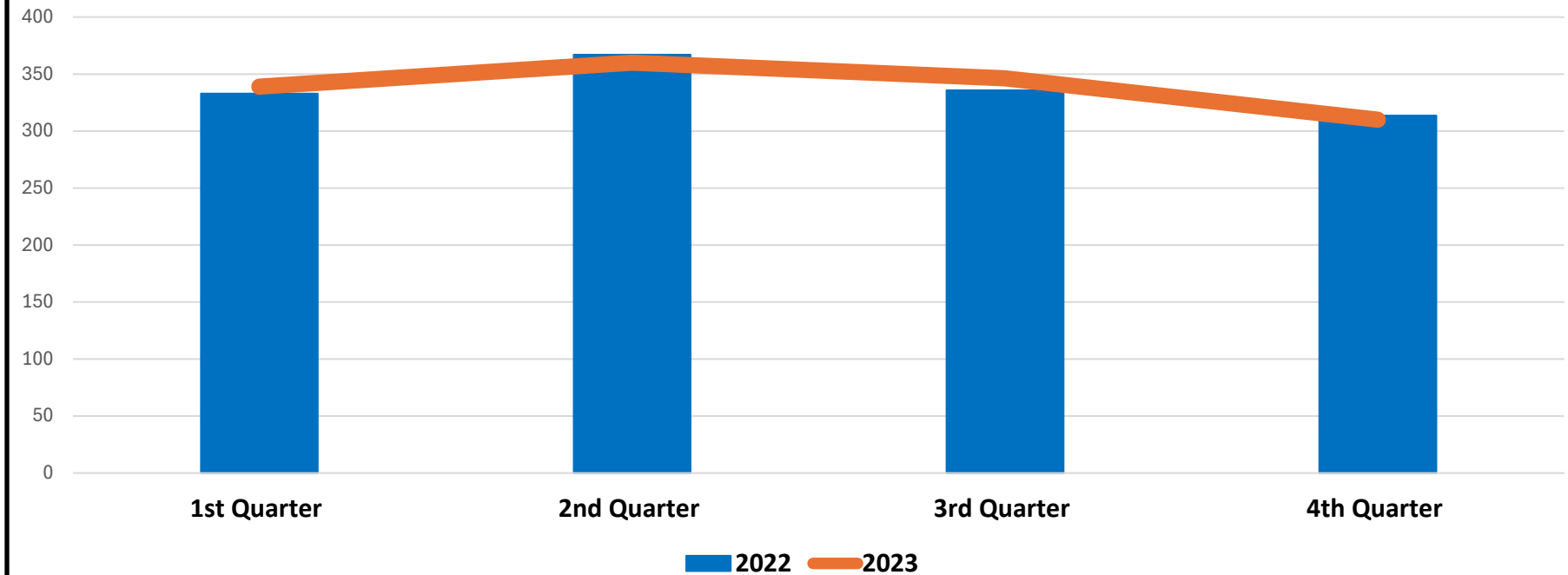
Steel Production: South America						
(million metric tons)						
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD	% +/-
2022	10.7	11.1	10.8	13.3	45.9	-9.58
2023	10.3	10.9	10.2	10.1	41.5	
Source: World Steel Association						
Argentina, Brazil, Chile, Colombia, Ecuador, Paraguay, Peru, Uruguay, Venezuela						

Steel Production
Europe
2022 vs. 2023
(million metric tons)



Steel Production: Europe						
(million metric tons)						
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD	% +/-
2022	48.1	49.1	42.9	41.1	181.2	-7.39
2023	42.2	43.7	40.5	41.5	167.9	
Source: World Steel Association						
Includes EU, non-EU countries and Turkey						

**Steel Production
Asia & Oceania
2022 vs. 2023**
(million metric tons)

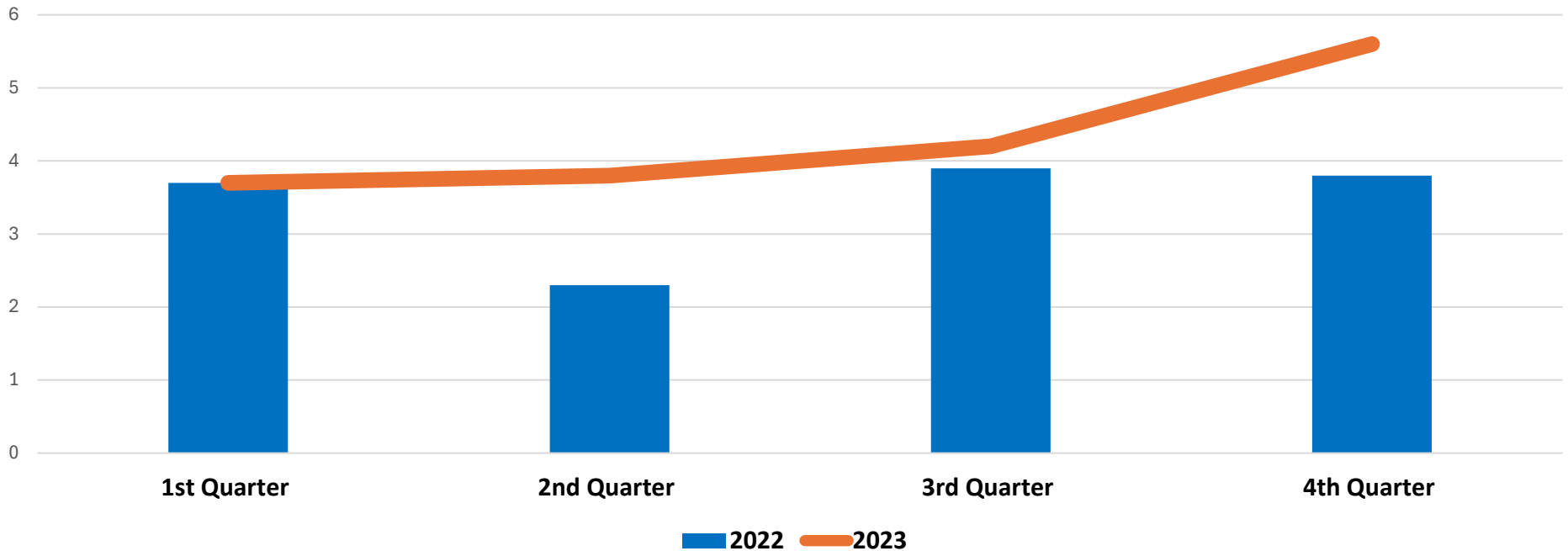


Steel Production: Asia & Oceania						
<i>(tons)</i>						
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD	% +/-
2022	332.9	367.0	335.7	313.6	1,349.2	0.44
2023	338.9	360.0	346.3	310.0	1,355.2	
Source: World Steel Association						
Australia, China, India, Japan, Mongolia, New Zealand, Pakistan, South Korea, Taiwan, Thailand, Vietnam						

Steel Production *Africa*

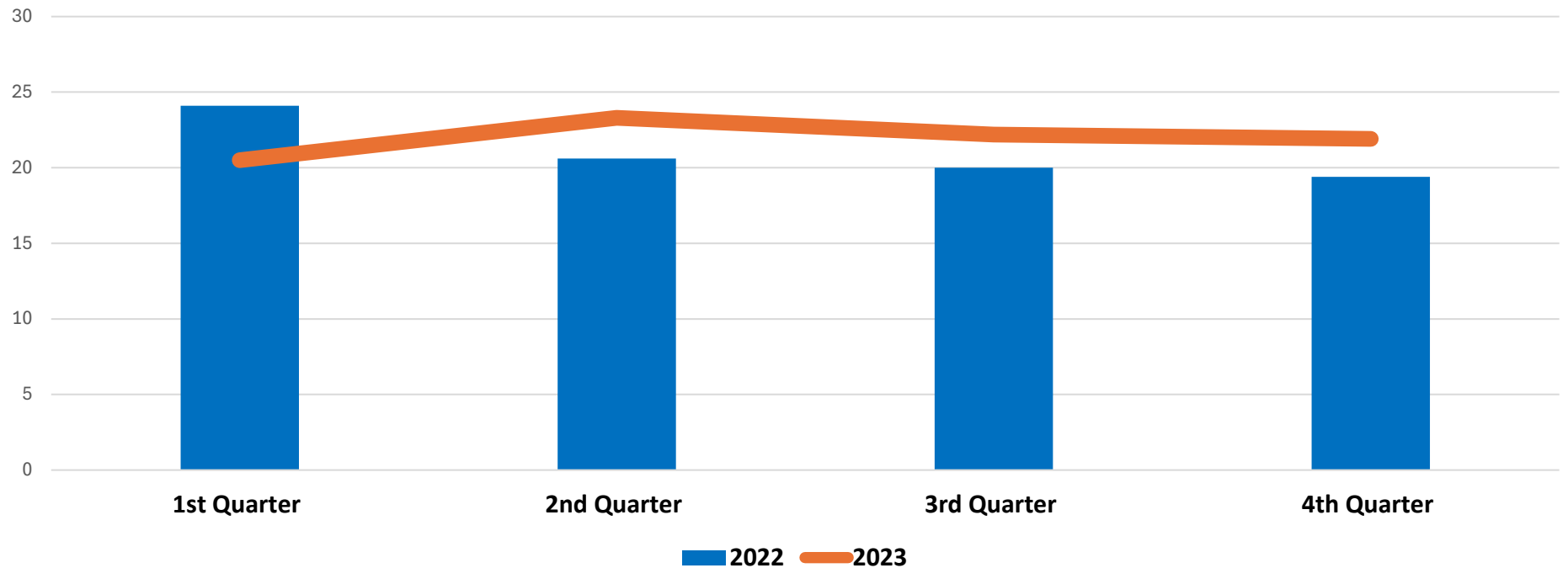
2022 vs. 2023

(million metric tons)



Steel Production: Africa						
(million metric tons)						
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD	% +/-
2022	3.7	2.3	3.9	3.8	13.7	26.27
2023	3.7	3.8	4.2	5.6	17.3	
Source: World Steel Association						
Algeria, Egypt, Libya, Morocco, South Africa, Tunisia						

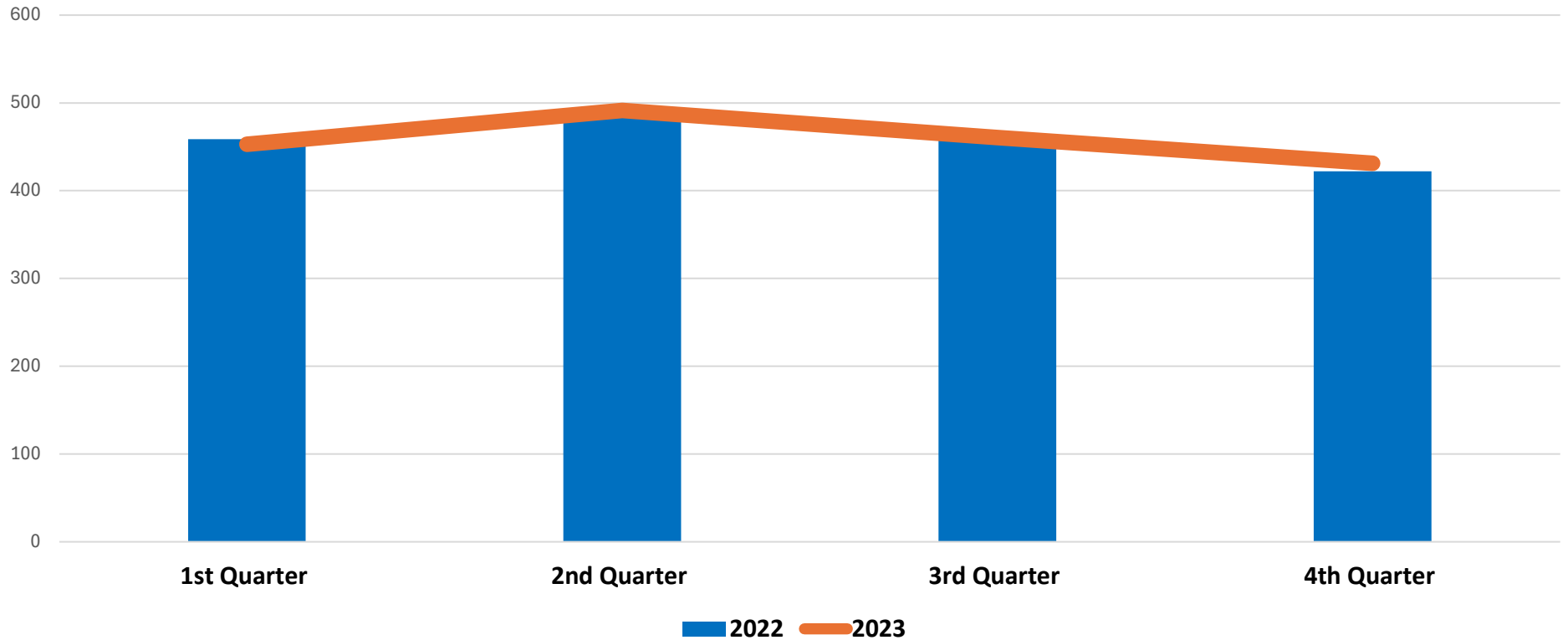
Steel Production
Russia, Ukraine & CIS
2022 vs. 2023
(million metric tons)



Steel Production: Russia, Ukraine & CIS						
(million metric tons)						
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD	% +/-
2022	24.1	20.6	20.0	19.4	84.1	4.51
2023	20.5	23.3	22.2	21.9	87.9	
Source: World Steel Association						
Russia, Ukraine, Belarus, Kazakhstan						

Global Steel Production 2022 vs. 2023

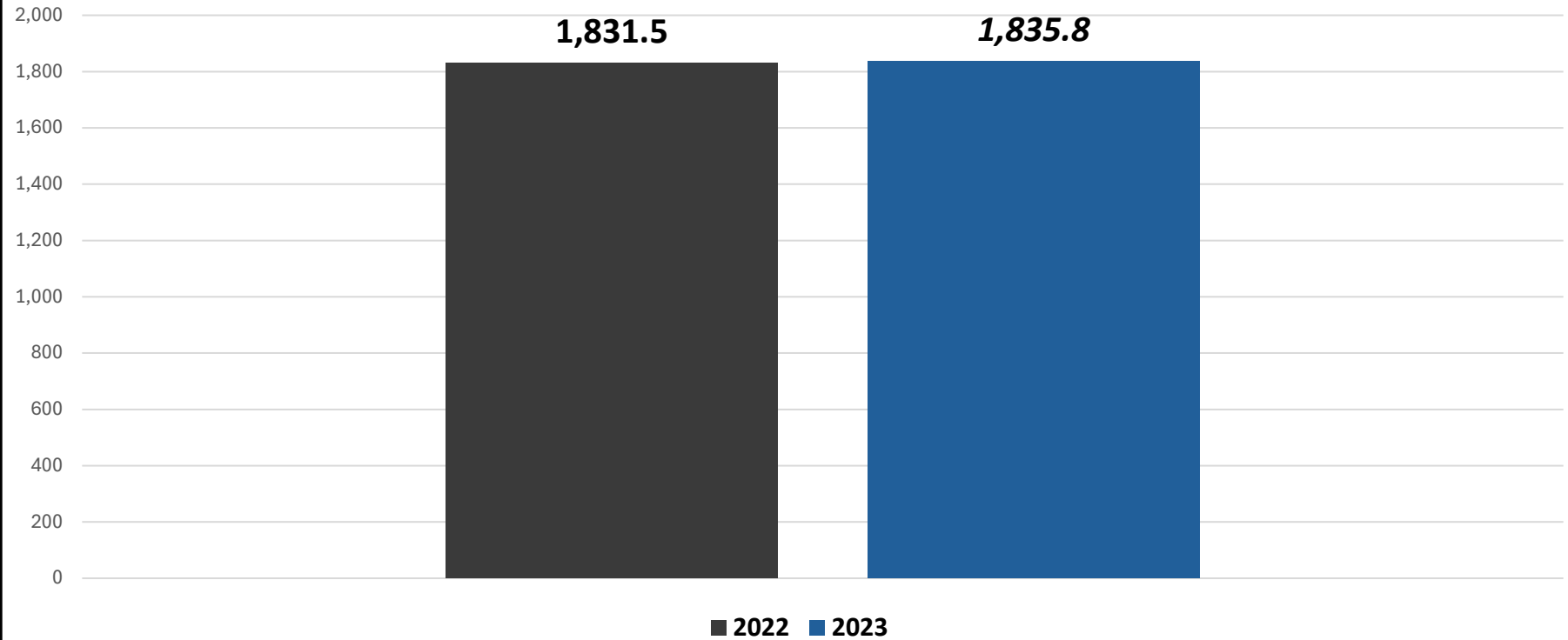
(million metric tons)



Global Steel Production						
(million metric tons)						
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	YTD	% +/-
2022	458.7	490.3	460.4	422.1	1,831.5	0.23
2023	452.8	491.4	460.4	431.2	1,835.8	
Source: World Steel Association						

Global Steel Production 2022 vs. 2023

(million metric tons)

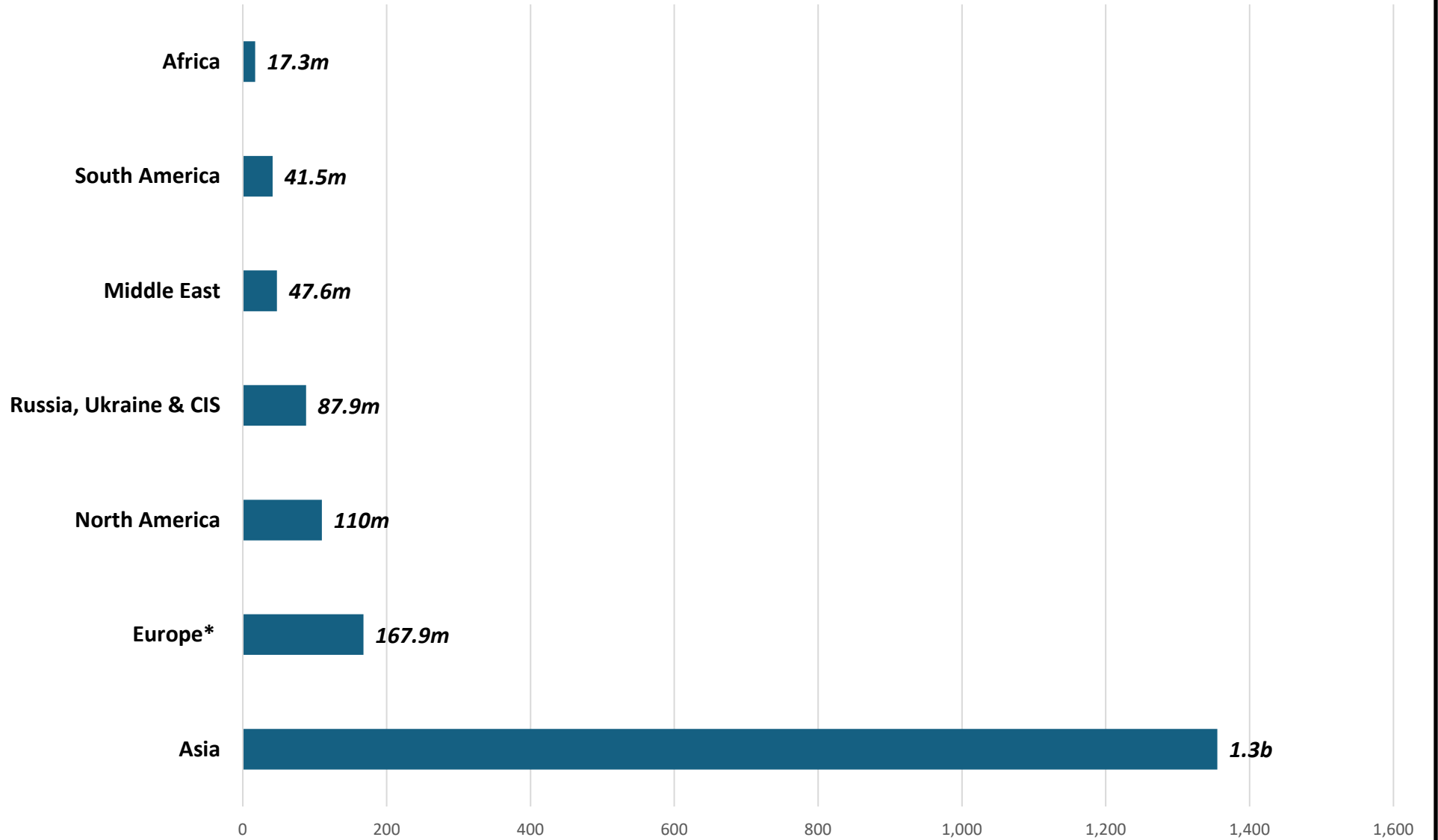


Total Global Steel Production		
(million metric tons)		
	<i>YTD</i>	% +/-
2022	1,831.5	0.23
2023	1,835.8	
Source: World Steel Association		

Regional Global Steel Production

2023

(million metric tons)



Global Steel Production Top Steel Producing Countries

2023

(million metric tons)

