

2023 Global Industry Forecast

B05 - Mining Of Coal And Lignite



Industry Code - B05

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<u>Country Name</u>	<u>Code</u>	<u>Country Name</u>	<u>Code</u>
Argentina	ARG	Nigeria	NGA
Australia	AUS	Norway	NOR
Austria	AUT	Pakistan	PAK
Bangladesh	BGD	Philippines	PHL
Belgium	BEL	Poland	POL
Brazil	BRA	Puerto Rico	PRI
Canada	CAN	Romania	ROU
Chile	CHL	Russian Federation	RUS
China	CHN	Saudi Arabia	SAU
Czech Republic	CZE	Singapore	SGP
Denmark	DNK	South Africa	ZAF
Egypt, Arab Rep.	EGY	Spain	ESP
Finland	FIN	Sweden	SWE
France	FRA	Switzerland	CHE
Germany	DEU	Thailand	THA
Hungary	HUN	Turkey	TUR
India	IND	United Arab Emirates	ARE
Indonesia	IDN	United Kingdom	GBR
Ireland	IRL	United States	USA
Israel	ISR	Venezuela, RB	VEN
Italy	ITA	Vietnam	VNM
Japan	JPN		
Korea, Rep.	KOR		
Malaysia	MYS		
Mexico	MEX		
Netherlands	NLD		

Users' Guide

Industry - B05 - Mining of coal and lignite

Scope of the Report

This Industry Forecast aims at estimating the industry size and the growth potential of this industry. Topics analyzed within the report include a detailed breakdown of the global b05 - mining of coal and lignite industry by geography and historical trend. The scope of the report extends to sizing of the b05 - mining of coal and lignite industry and global economic trends with industry data for 2021 as the base year, 2022 and 2022 as the estimate years and forecast for 2024 with projection of CAGR from 2024 to 2029.

Industry sales include the total value of all products manufactured or services provided by industry companies. For selected industries, this can represent value of receipts, value of production, or value of work done. Market data is provided in U.S. dollar value at global and regional levels, as well as local currencies for all countries.

Report Coverage

The report focuses a detailed calculation of industries and the related system providers. The study forecasts the market value of the b05 - mining of coal and lignite industry.

Published annually, this report provides a unique and accurate estimate on market sizing for this equipment/material using a proprietary economic model that integrates historical trends (horizontal analysis) and longitudinal analysis of incorporated industries (vertical analysis).

Regional summaries include North America, Europe, Asia-Pacific, Latin America, Africa, and Middle East. Percent shares are presented for each region as a share of the global market.

Industry sales values are also broken down by geographic areas in the countries in the report for regions, districts, provinces, states and cities.

This report does not list key players/companies in the market but focuses on a top-down and outlook view of the market despite the existing and entering of market companies.

Users' Guide

Benefits of the Report

This report is primarily aimed at business professionals in fields related to the market. These may include retailers and their suppliers, financiers and investors, researchers with backgrounds in the market, marketing and sales professionals, and others.

This report may also prove valuable to professional analysts, investors, public policy advisors and others who are seeking a better understanding and definition of how b05 - mining of coal and lignite fit into the broader global market.

The report will help the market leaders and new entrants in this market with information on the closest approximations of the revenue numbers for the overall market. This report will help stakeholders understand the competitive landscape and gain more insights to better position their businesses and to plan market strategies. The report also helps stakeholders understand the opportunities of the market.

Methodology

Industry - B05 - Mining of coal and lignite

Definition: Mining and quarrying

Methodology

The Global Industry Forecast report series by Perry/Hope Partners features industry sales (turnover) in various industries and sectors, such as professional services, manufacturing, retail stores, and e-commerce stores. The reports are published annually based on a unique methodology that uses robust data sources and detailed logarithms to estimate global industries. The main steps in the methodology are:

- Industry definitions and historical data are primarily based on EuroStat's database which is updated annually.
- Market sales (turnover) for the European countries are used as a ratio to all other countries in the report by GDP and the percent of the total manufacturing sector as percent of the countries total GDP.
- Adjustments to estimates are both vertical (industry) analysis and horizontal (trend) analysis.
- Demographic breakdowns of regions, cities, states, districts and provinces are based on historical population and regional GDP data projected forward.

Global Sales

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Countries (USD Millions)

Country Name	2018	2019	2020	2021	2022	2023	2024	2029
Argentina	136.9	82.0	70.7	51.2	46.5	42.7	36.5	11.0
Australia	171.8	111.5	88.6	80.2	75.5	69.8	64.5	42.4
Austria	160.0	104.6	83.2	78.1	75.0	70.7	66.6	48.5
Bangladesh	102.1	81.1	91.0	88.7	94.6	98.0	102.0	127.7
Belgium	138.4	91.8	76.3	68.7	65.6	61.5	57.6	40.6
Brazil	382.7	269.5	165.3	147.4	137.7	130.4	114.8	40.1
Canada	437.9	303.1	239.0	230.0	224.7	215.5	206.4	163.1
Chile	65.1	40.1	26.6	24.1	21.6	19.1	15.9	7.2
China	8,025.7	5,410.2	4,559.3	4,448.4	4,452.3	4,374.6	4,292.7	3,829.8
Czech Republic	117.3	80.8	63.5	60.1	58.2	55.4	52.7	40.0
Denmark	96.0	67.4	58.7	53.6	52.8	51.1	49.3	40.6
Egypt, Arab Rep.	84.3	68.2	70.6	62.8	60.7	57.8	54.7	40.9
Finland	84.1	54.9	45.8	41.4	39.5	37.0	34.6	24.4
France	572.1	386.4	291.7	269.0	253.2	234.0	216.0	141.8
Germany	1,671.9	1,067.2	825.4	758.1	711.6	655.6	603.3	390.3
Hungary	61.1	40.9	32.5	29.2	27.5	25.5	23.6	15.6
India	820.9	541.3	431.1	386.3	361.9	332.8	305.6	195.9
Indonesia	429.5	312.0	248.5	236.4	231.7	222.8	214.1	171.7
Ireland	257.2	180.8	173.6	159.9	155.5	146.9	139.4	110.1
Israel	91.9	60.7	54.4	50.2	49.5	47.9	46.3	38.4
Italy	649.0	422.3	331.7	303.2	286.0	264.9	244.9	162.5
Japan	2,132.7	1,479.5	1,175.4	1,121.8	1,092.9	1,045.3	998.4	778.4
Korea, Rep.	951.3	590.1	479.9	429.3	401.2	368.0	337.1	213.2
Malaysia	160.4	110.7	88.7	86.8	86.1	83.9	81.6	69.8
Mexico	438.7	311.1	221.4	209.1	197.0	182.3	168.4	111.3
Netherlands	210.6	138.8	116.2	108.8	106.3	101.9	97.5	77.0
Nigeria	79.7	73.1	64.7	71.8	81.9	91.6	102.4	175.0
Norway	53.1	36.2	27.8	23.9	22.1	20.1	17.2	9.0
Pakistan	79.5	49.0	40.5	36.5	34.4	31.8	29.4	19.3
Philippines	137.4	98.7	75.4	74.7	73.7	71.5	69.1	57.5
Poland	204.4	140.3	112.9	104.1	100.1	94.5	89.1	65.1
Puerto Rico	99.2	70.2	58.8	55.1	54.0	52.0	50.0	40.3
Romania	93.8	60.4	47.9	45.1	43.2	40.7	38.3	27.5
Russian Federation	451.3	310.2	236.1	224.1	215.7	203.9	192.4	141.4
Saudi Arabia	209.0	140.7	100.6	101.0	97.8	93.0	88.4	67.0
Singapore	160.6	103.1	81.4	80.4	79.2	76.7	74.1	61.3

Global Sales

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Countries (USD Millions)

Country Name	2018	2019	2020	2021	2022	2023	2024	2029
South Africa	89.8	58.6	46.5	41.5	38.8	35.5	32.5	20.5
Spain	330.9	215.8	166.9	145.1	132.9	119.5	107.3	61.4
Sweden	150.2	96.7	77.5	68.0	63.0	57.3	52.1	31.5
Switzerland	266.2	188.7	161.1	156.2	157.4	155.6	153.7	141.5
Thailand	281.0	197.4	150.4	150.3	148.7	144.4	140.1	118.0
Turkey	304.8	196.9	162.6	142.7	134.9	125.5	110.2	64.6
United Arab Emirates	76.5	52.0	41.0	37.9	36.3	34.0	31.9	22.6
United Kingdom	524.6	347.7	283.2	257.1	244.9	229.0	213.9	148.9
United States	4,750.4	3,313.7	2,760.5	2,686.0	2,686.8	2,638.4	2,587.5	2,301.7
Venezuela, RB	81.4	52.8	41.8	37.2	34.5	31.4	28.6	17.4
Vietnam	81.4	61.1	66.8	64.9	67.9	69.1	70.7	80.8
GLOBAL	26,954.7	18,270.3	14,913.5	14,186.3	13,913.4	13,411.0	12,903.4	10,604.6

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Regional Sales

Industry - B05 - Mining of coal and lignite

The market for this industry in North America is estimated to be \$3.0 billion dollars in 2023 and is expected to change by -2.3 percent from 2022 to 2023. The market in the Asia-Pacific region for this industry is estimated to be \$7.0 billion in 2023 and is forecast to change by -3.1 percent from 2023 to 2024. The European market is \$2.1 billion in 2023.

Industry Size by Year (US\$ Millions)

	2018	2019	2020	2021	2022	2023	2024	2029
North America	5,627.0	3,928.0	3,220.9	3,125.1	3,108.6	3,036.2	2,962.3	2,576.1
Latin America	519.6	351.5	236.0	198.6	184.2	173.1	151.3	51.1
Europe	4,886.4	3,226.9	2,579.3	2,376.6	2,263.6	2,115.7	1,975.6	1,391.0
Asia-Pacific	13,802.1	9,313.7	7,655.2	7,355.1	7,253.3	7,025.3	6,799.1	5,698.6
Middle East	304.8	196.9	162.6	142.7	134.9	125.5	110.2	64.6
Africa	169.6	131.7	111.3	113.4	120.7	127.2	135.0	195.6
GLOBAL	25,139.8	17,016.9	13,854.1	13,198.2	12,944.5	12,476.0	11,998.6	9,781.4

Regional Distribution

	2018	2019	2020	2021	2022	2023	2024	2029
North America	22.4%	23.1%	23.2%	23.7%	24.0%	24.3%	24.7%	26.3%
Latin America	2.1%	2.1%	1.7%	1.5%	1.4%	1.4%	1.3%	0.5%
Europe	19.4%	19.0%	18.6%	18.0%	17.5%	17.0%	16.5%	14.2%
Asia-Pacific	54.9%	54.7%	55.3%	55.7%	56.0%	56.3%	56.7%	58.3%
Middle East	1.2%	1.2%	1.2%	1.1%	1.0%	1.0%	0.9%	0.7%
Africa	0.7%	0.8%	0.8%	0.9%	0.9%	1.0%	1.1%	2.0%
GLOBAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Year-to-Year Change

	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2029
North America		-30.2%	-18.0%	-3.0%	-0.5%	-2.3%	-2.4%	-13.0%
Latin America		-32.4%	-32.8%	-15.8%	-7.3%	-6.0%	-12.6%	-66.2%
Europe		-34.0%	-20.1%	-7.9%	-4.8%	-6.5%	-6.6%	-29.6%
Asia-Pacific		-32.5%	-17.8%	-3.9%	-1.4%	-3.1%	-3.2%	-16.2%
Middle East		-35.4%	-17.4%	-12.3%	-5.4%	-7.0%	-12.2%	-41.4%
Africa		-22.3%	-15.5%	1.9%	6.4%	5.4%	6.1%	44.9%
GLOBAL		-32.3%	-18.6%	-4.7%	-1.9%	-3.6%	-3.8%	-18.5%

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Argentina

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	136,878.3	0.51%		
2019	81,959.3	0.45%	2018-2019	-40.1%
2020	70,711.7	0.47%	2019-2020	-13.7%
2021	51,212.6	0.36%	2020-2021	-27.6%
2022	46,462.5	0.33%	2021-2022	-9.3%
2023	42,742.1	0.32%	2022-2023	-8.0%
2024	36,543.7	0.28%	2023-2024	-14.5%
2029	11,031.4	0.10%	CAGR 2024-2029	-14.0%

<u>Pesos</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Pesos 000s)</u>	<u>Year-to-Year Change</u>	
2018	8,199,012.3		
2019	4,909,363.6	2018-2019	-40.1%
2020	4,235,631.1	2019-2020	-13.7%
2021	3,067,634.2	2020-2021	-27.6%
2022	2,783,106.4	2021-2022	-9.3%
2023	2,560,253.4	2022-2023	-8.0%
2024	2,188,968.6	2023-2024	-14.5%
2029	660,782.8	CAGR 2024-2029	-14.0%

In 2023, sales for this industry in Argentina is forecast to be \$42.7 million dollars.

Sales are forecast to change by -14.5 percent in the next year (2023 to 2024). In 2023, sales will be 2560.3 million Pesos and will change by -8 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Argentina is forecast to be \$11.0 million dollars.

The compound annual growth rate is projected to change by -14 percent from 2024 to 2029. In 2029, sales will be 2560.3 million Pesos and will change by -8 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Argentina

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Buenos Aires	17,945.0	16,505.8	14,109.9	4,254.6
Catamarca	457.0	422.7	363.4	112.8
Chaco	1,242.6	1,143.7	978.3	296.0
Chubut	629.5	583.4	502.5	157.4
Ciudad Autónoma de Buenos Aires (3,008.9	2,736.9	2,313.7	659.9
Córdoba	3,779.8	3,470.6	2,961.7	885.3
Corrientes	1,165.4	1,072.2	916.8	276.8
Entre Ríos	1,418.5	1,303.0	1,112.3	333.1
Formosa	649.9	600.1	515.0	158.4
Jujuy	805.8	743.2	637.1	194.8
La Pampa	371.0	341.1	291.4	87.6
La Rioja	432.5	401.9	347.0	110.1
Mendoza	2,016.8	1,854.8	1,585.3	477.7
Misiones	1,353.1	1,251.9	1,076.4	334.2
Neuquén	696.5	645.5	556.0	174.1
Río Negro	744.9	686.1	587.3	178.2
Salta	1,509.5	1,397.1	1,201.8	373.8
San Juan	810.2	746.7	639.6	194.8
San Luis	558.8	519.3	448.5	142.3
Santa Cruz	371.5	347.8	302.5	99.6
Santa Fe	3,557.2	3,258.5	2,774.0	819.4
Santiago del Estero	1,032.9	951.8	815.1	248.1
Tierra del Fuego	184.5	173.2	151.2	50.5
Tucumán	1,720.8	1,584.9	1,356.7	411.9

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Australia

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	171,824.9	0.64%		
2019	111,542.5	0.61%	2018-2019	-35.1%
2020	88,615.5	0.59%	2019-2020	-20.6%
2021	80,192.6	0.57%	2020-2021	-9.5%
2022	75,522.5	0.54%	2021-2022	-5.8%
2023	69,821.8	0.52%	2022-2023	-7.5%
2024	64,468.1	0.50%	2023-2024	-7.7%
2029	42,422.0	0.40%	CAGR 2024-2029	-6.8%

<u>Dollars</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Dollars 000s)</u>	<u>Year-to-Year Change</u>	
2018	247,427.9		
2019	160,621.2	2018-2019	-35.1%
2020	127,606.3	2019-2020	-20.6%
2021	115,477.3	2020-2021	-9.5%
2022	108,752.4	2021-2022	-5.8%
2023	100,543.4	2022-2023	-7.5%
2024	92,834.1	2023-2024	-7.7%
2029	61,087.7	CAGR 2024-2029	-6.8%

In 2023, sales for this industry in Australia is forecast to be \$69.8 million dollars. Sales are forecast to change by -7.7 percent in the next year (2023 to 2024). In 2023, sales will be 100.5 million Dollars and will change by -7.5 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Australia is forecast to be \$42.4 million dollars. The compound annual growth rate is projected to change by -6.8 percent from 2024 to 2029. In 2029, sales will be 100.5 million Dollars and will change by -7.5 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Australia

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Adelaide	4,475.6	4,110.1	3,769.4	2,396.1
Brisbane	8,554.5	7,956.6	7,390.6	5,007.1
Cairns (Northern Beaches)	594.7	552.2	512.0	343.9
Canberra (NSW)	1,651.1	1,523.7	1,404.3	914.7
Central Coast (Gosford)	1,278.7	1,180.3	1,088.0	709.6
Darwin	426.6	393.4	362.4	235.3
Geelong	587.0	539.2	494.6	314.9
Gold Coast (NSW)	2,522.7	2,357.4	2,199.9	1,525.6
Hobart	694.7	638.1	585.2	372.3
Melbourne	16,115.5	14,900.8	13,759.1	9,049.8
Newcastle	1,218.6	1,115.7	1,020.1	638.7
Perth	7,644.5	7,121.2	6,624.8	4,522.9
Sunshine Coast (Caloundra)	989.4	922.7	859.4	590.0
Sydney	16,064.7	14,773.3	13,567.4	8,684.4
Toowoomba	389.9	357.4	327.2	206.2
Townsville (Thuringowa)	712.3	662.2	614.8	415.4
Wollongong	975.2	893.4	817.4	513.5

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Austria

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	159,979.4	0.59%		
2019	104,649.5	0.57%	2018-2019	-34.6%
2020	83,216.4	0.56%	2019-2020	-20.5%
2021	78,050.8	0.55%	2020-2021	-6.2%
2022	74,999.1	0.54%	2021-2022	-3.9%
2023	70,746.9	0.53%	2022-2023	-5.7%
2024	66,649.6	0.52%	2023-2024	-5.8%
2029	48,498.3	0.46%	CAGR 2024-2029	-5.4%

<u>Euros</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Euros 000s)</u>	<u>Year-to-Year Change</u>	
2018	142,381.7		
2019	93,138.1	2018-2019	-34.6%
2020	74,062.6	2019-2020	-20.5%
2021	69,465.2	2020-2021	-6.2%
2022	66,749.2	2021-2022	-3.9%
2023	62,964.7	2022-2023	-5.7%
2024	59,318.2	2023-2024	-5.8%
2029	43,163.5	CAGR 2024-2029	-5.4%

In 2023, sales for this industry in Austria is forecast to be \$70.7 million dollars.

Sales are forecast to change by -5.8 percent in the next year (2023 to 2024). In 2023, sales will be 63 million Euros and will change by -5.7 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Austria is forecast to be \$48.5 million dollars.

The compound annual growth rate is projected to change by -5.4 percent from 2024 to 2029. In 2029, sales will be 63 million Euros and will change by -5.7 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Austria

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Amstetten	449.0	423.3	398.5	288.9
Baden	501.8	473.8	446.7	326.4
Bregenz	575.1	543.7	513.4	377.6
Dornbirn	899.3	850.5	803.2	591.6
Feldkirch	670.2	636.8	604.4	455.9
Graz	4,130.6	3,874.7	3,629.8	2,567.2
Hallein	428.4	406.9	386.0	290.7
Innsbruck	2,156.5	2,026.9	1,902.5	1,358.7
Judenburg	171.5	160.1	149.2	102.9
Kapfenberg	415.3	388.7	363.4	254.2
Klagenfurt am Wörthersee	1,813.0	1,709.6	1,609.9	1,168.6
Klosterneuburg	523.7	495.0	467.2	343.0
Krems an der Donau	469.9	443.0	417.1	302.5
Kufstein	341.4	323.9	306.9	229.9
Leoben	410.2	382.1	355.4	242.5
Leonding	494.8	469.0	443.9	330.7
Linz	3,360.8	3,150.5	2,949.5	2,079.3
Lustenau	431.4	408.7	386.6	287.2
Mödling	422.6	399.0	376.2	274.8
Saalfelden am Steinernen Meer	377.6	360.5	343.7	265.4
Salzburg	2,862.6	2,698.2	2,539.9	1,840.0
Spittal an der Drau	338.3	319.9	302.0	222.2
St. Pölten	934.1	878.3	824.7	590.0
Steyr	774.4	729.4	686.1	495.3
Telfs	406.5	392.5	378.5	309.2
Traun	495.7	468.8	442.7	326.0
Villach	1,212.6	1,146.6	1,082.7	796.9
Wels	1,201.5	1,136.8	1,074.3	793.4
Wien [Vienna]	30,520.4	28,750.6	27,047.8	19,537.3
Wiener Neustadt	775.8	733.1	691.7	507.2
Wolfsberg	512.1	483.2	455.3	331.7

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Note: Sales for 2018-2019 are forecasts and sales for 2020-2025 projections

Bangladesh

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	102,098.0	0.38%		
2019	81,056.6	0.44%	2018-2019	-20.6%
2020	90,953.8	0.61%	2019-2020	12.2%
2021	88,659.9	0.62%	2020-2021	-2.5%
2022	94,574.4	0.68%	2021-2022	6.7%
2023	97,969.0	0.73%	2022-2023	3.6%
2024	101,976.7	0.79%	2023-2024	4.1%
2029	127,696.2	1.20%	CAGR 2024-2029	5.0%

<u>Takas</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Takas 000s)</u>	<u>Year-to-Year Change</u>	
2018	8,576,228.5		
2019	6,808,756.8	2018-2019	-20.6%
2020	7,640,119.6	2019-2020	12.2%
2021	7,447,431.5	2020-2021	-2.5%
2022	7,944,249.0	2021-2022	6.7%
2023	8,229,400.0	2022-2023	3.6%
2024	8,566,043.2	2023-2024	4.1%
2029	10,726,481.3	CAGR 2024-2029	5.0%

In 2023, sales for this industry in Bangladesh is forecast to be \$98.0 million dollars. Sales are forecast to change by 4.1 percent in the next year (2023 to 2024). In 2023, sales will be 8229.4 million Takas and will change by 3.6 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Bangladesh is forecast to be \$127.7 million dollars. The compound annual growth rate is projected to change by 5 percent from 2024 to 2029. In 2029, sales will be 8229.4 million Takas and will change by 3.6 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Bangladesh

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Barisal	2,516.0	2,578.9	2,656.0	3,151.4
Chittagong	9,371.0	9,709.7	10,108.8	12,660.5
Brahmanbaria	908.2	938.9	975.4	1,208.5
Chittagong	2,583.6	2,682.0	2,797.5	3,536.8
Comilla	1,736.1	1,795.6	1,866.0	2,316.1
Noakhali	1,022.1	1,059.7	1,103.9	1,386.8
Dhaka	12,450.8	12,961.1	13,556.9	17,379.4
Dhaka	4,764.6	5,036.1	5,348.5	7,399.9
Gazipur	1,286.8	1,361.4	1,447.1	2,011.0
Kishoreganj	919.6	948.5	982.9	1,202.9
Narayanganj	1,042.5	1,090.6	1,146.5	1,506.9
Tangail	1,112.6	1,144.6	1,183.2	1,429.9
Mymensingh	3,480.1	3,589.3	3,719.7	4,552.7
Jalalpur	717.3	738.6	764.2	927.9
Mymensingh	1,628.7	1,681.6	1,744.7	2,147.2
Netrakona (Netrokona)	713.0	736.1	763.6	939.2
Khulna	4,973.6	5,124.2	5,304.7	6,457.9
Jessore	894.9	924.8	960.2	1,186.4
Khulna	725.7	745.0	768.6	919.5
Satkhira	632.2	651.5	674.6	822.5
Rajshahi	5,931.1	6,126.2	6,358.0	7,838.9
Bogra	1,077.9	1,112.2	1,153.1	1,414.4
Naogaon	808.5	832.1	860.5	1,042.0
Pabna	807.9	834.9	867.0	1,071.7
Rajshahi	860.7	891.5	927.8	1,160.0
Sirajganj	1,019.6	1,055.8	1,098.6	1,371.8
Rangpur	5,087.4	5,257.8	5,459.9	6,751.2
Dinajpur	969.2	1,002.0	1,040.8	1,288.6
Gaibandha	737.9	759.8	786.0	953.8
Kurigram	656.2	677.5	702.9	864.9
Rangpur	938.0	970.1	1,008.0	1,250.6
Sylhet	3,310.4	3,439.7	3,591.1	4,561.2
Habiganj	680.1	704.3	732.8	915.0
Sunamganj	822.3	853.8	890.8	1,127.4
Sylhet	1,179.5	1,230.8	1,290.5	1,674.2

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Note: Sales for 2018-2019 are forecasts and sales for 2020-2025 projections

Belgium

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	138,418.0	0.51%		
2019	91,760.9	0.50%	2018-2019	-33.7%
2020	76,293.6	0.51%	2019-2020	-16.9%
2021	68,712.9	0.48%	2020-2021	-9.9%
2022	65,607.1	0.47%	2021-2022	-4.5%
2023	61,494.5	0.46%	2022-2023	-6.3%
2024	57,565.3	0.45%	2023-2024	-6.4%
2029	40,575.1	0.38%	CAGR 2024-2029	-5.9%

<u>Euros</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Euros 000s)</u>	<u>Year-to-Year Change</u>	
2018	123,192.0		
2019	81,667.2	2018-2019	-33.7%
2020	67,901.3	2019-2020	-16.9%
2021	61,154.5	2020-2021	-9.9%
2022	58,390.4	2021-2022	-4.5%
2023	54,730.1	2022-2023	-6.3%
2024	51,233.1	2023-2024	-6.4%
2029	36,111.9	CAGR 2024-2029	-5.9%

In 2023, sales for this industry in Belgium is forecast to be \$61.5 million dollars. Sales are forecast to change by -6.4 percent in the next year (2023 to 2024). In 2023, sales will be 54.7 million Euros and will change by -6.3 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Belgium is forecast to be \$40.6 million dollars. The compound annual growth rate is projected to change by -5.9 percent from 2024 to 2029. In 2029, sales will be 54.7 million Euros and will change by -6.3 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Belgium

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Vlaams Gewest [Flanders]	18,994.5	17,805.6	16,669.5	11,755.0
Antwerpen [Antwerp]	5,283.2	4,952.5	4,636.4	3,269.3
Limburg	2,603.2	2,444.6	2,292.7	1,631.1
Oost-Vlaanderen	4,292.3	4,019.7	3,759.5	2,638.2
Vlaams-Brabant	3,329.4	3,125.6	2,930.5	2,081.9
West-Vlaanderen	3,492.0	3,269.1	3,056.4	2,141.0
Wallonia	10,586.3	9,919.4	9,282.5	6,531.8
Brabant Wallon	1,247.6	1,177.0	1,109.0	807.5
Hainaut	3,852.2	3,599.9	3,359.7	2,332.6
Liège	3,204.7	3,001.1	2,806.8	1,969.3
Luxembourg	843.7	793.5	745.3	534.3
Namur	1,461.3	1,372.1	1,286.6	914.6
Brussels Gewest [Brussels]	3,208.3	3,007.3	2,815.2	1,984.4
Bruxelles-Capitale [Brussels]	3,208.3	3,007.3	2,815.2	1,984.4

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Brazil

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	382,660.5	1.42%		
2019	269,459.7	1.47%	2018-2019	-29.6%
2020	165,310.3	1.11%	2019-2020	-38.7%
2021	147,403.2	1.04%	2020-2021	-10.8%
2022	137,670.3	0.99%	2021-2022	-6.6%
2023	130,376.9	0.97%	2022-2023	-5.3%
2024	114,753.0	0.89%	2023-2024	-12.0%
2029	40,051.5	0.38%	CAGR 2024-2029	-13.0%

<u>Reals</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Reals 000s)</u>	<u>Year-to-Year Change</u>	
2018	1,595,694.1		
2019	1,123,647.0	2018-2019	-29.6%
2020	689,344.0	2019-2020	-38.7%
2021	614,671.2	2020-2021	-10.8%
2022	574,085.1	2021-2022	-6.6%
2023	543,671.5	2022-2023	-5.3%
2024	478,520.2	2023-2024	-12.0%
2029	167,014.9	CAGR 2024-2029	-13.0%

In 2023, sales for this industry in Brazil is forecast to be \$130.4 million dollars. Sales are forecast to change by -12 percent in the next year (2023 to 2024). In 2023, sales will be 543.7 million Reals and will change by -5.3 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Brazil is forecast to be \$40.1 million dollars. The compound annual growth rate is projected to change by -13 percent from 2024 to 2029. In 2029, sales will be 543.7 million Reals and will change by -5.3 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Brazil

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Acre	598.8	575.2	513.4	192.2
Alagoas	2,183.0	2,061.5	1,809.2	622.3
Amapá	603.1	585.8	528.8	209.5
Amazonas	2,790.7	2,672.3	2,378.1	876.9
Bahia	9,650.1	9,092.4	7,962.1	2,708.0
Ceará	6,039.6	5,719.5	5,033.9	1,756.0
Distrito Federal	2,022.7	1,934.3	1,719.2	629.8
Espírito Santo	2,620.6	2,487.2	2,193.9	773.8
Goiás	4,640.4	4,424.4	3,920.5	1,414.9
Maranhão	4,683.4	4,436.5	3,905.8	1,364.5
Mato Grosso	2,317.3	2,208.7	1,956.5	704.9
Mato Grosso do Sul	1,819.3	1,728.0	1,525.4	540.1
Minas Gerais	13,813.1	13,047.4	11,453.9	3,944.5
Pará	5,775.3	5,507.7	4,881.5	1,763.6
Paraíba	2,594.5	2,445.1	2,141.7	729.2
Paraná	7,415.6	7,005.4	6,150.5	2,119.4
Pernambuco	6,204.9	5,861.3	5,145.7	1,772.5
Piauí	2,140.6	2,018.3	1,768.6	603.6
Rio de Janeiro	11,263.1	10,641.3	9,344.0	3,221.8
Rio Grande do Norte	2,293.9	2,173.1	1,913.2	668.6
Rio Grande do Sul	7,370.5	6,941.4	6,075.5	2,061.5
Rondônia	1,167.2	1,108.3	978.1	345.8
Roraima	404.3	391.7	352.6	137.7
Santa Catarina	4,676.8	4,443.0	3,922.8	1,390.2
São Paulo	30,009.3	28,421.6	25,017.1	8,731.2
Sergipe	1,520.5	1,443.5	1,273.6	449.8
Tocantins	1,051.7	1,002.1	887.5	319.3

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Canada

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	437,932.9	1.62%		
2019	303,098.9	1.66%	2018-2019	-30.8%
2020	238,995.3	1.60%	2019-2020	-21.1%
2021	230,046.6	1.62%	2020-2021	-3.7%
2022	224,723.1	1.62%	2021-2022	-2.3%
2023	215,502.3	1.61%	2022-2023	-4.1%
2024	206,393.3	1.60%	2023-2024	-4.2%
2029	163,076.1	1.54%	CAGR 2024-2029	-4.2%

<u>Dollars</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Dollars 000s)</u>	<u>Year-to-Year Change</u>	
2018	569,312.8		
2019	394,028.6	2018-2019	-30.8%
2020	310,693.9	2019-2020	-21.1%
2021	299,060.6	2020-2021	-3.7%
2022	292,140.0	2021-2022	-2.3%
2023	280,153.0	2022-2023	-4.1%
2024	268,311.3	2023-2024	-4.2%
2029	211,998.9	CAGR 2024-2029	-4.2%

In 2023, sales for this industry in Canada is forecast to be \$215.5 million dollars. Sales are forecast to change by -4.2 percent in the next year (2023 to 2024). In 2023, sales will be 280.2 million Dollars and will change by -4.1 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Canada is forecast to be \$163.1 million dollars. The compound annual growth rate is projected to change by -4.2 percent from 2024 to 2029. In 2029, sales will be 280.2 million Dollars and will change by -4.1 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Canada

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Alberta	27,197.5	26,347.7	25,490.9	21,181.2
British Columbia	29,446.8	28,239.6	27,046.5	21,365.8
Manitoba	8,097.6	7,757.4	7,421.8	5,831.9
New Brunswick	4,520.4	4,293.3	4,072.2	3,064.8
Newfoundland and Labrador	3,149.4	2,993.1	2,840.8	2,144.9
Northwest Territories	268.1	255.4	243.0	185.6
Nova Scotia	5,674.1	5,390.6	5,114.4	3,854.5
Nunavut	238.5	230.5	222.5	182.7
Ontario	86,839.0	83,261.3	79,726.4	62,913.8
Prince Edward Island	915.8	875.2	835.4	648.6
Québec [Quebec]	51,076.5	48,856.1	46,671.0	36,394.5
Saskatchewan	7,058.2	6,769.6	6,484.4	5,125.7
Yukon	241.2	232.6	224.0	181.9

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Chile

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	65,145.4	0.24%		
2019	40,085.8	0.22%	2018-2019	-38.5%
2020	26,585.3	0.18%	2019-2020	-33.7%
2021	24,092.1	0.17%	2020-2021	-9.4%
2022	21,629.3	0.16%	2021-2022	-10.2%
2023	19,103.5	0.14%	2022-2023	-11.7%
2024	15,925.2	0.12%	2023-2024	-16.6%
2029	7,196.6	0.07%	CAGR 2024-2029	-11.0%

<u>Pesos</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Pesos 000s)</u>	<u>Year-to-Year Change</u>	
2018	50,422,519.4		
2019	31,026,409.1	2018-2019	-38.5%
2020	20,576,999.7	2019-2020	-33.7%
2021	18,647,316.6	2020-2021	-9.4%
2022	16,741,076.8	2021-2022	-10.2%
2023	14,786,078.4	2022-2023	-11.7%
2024	12,326,131.7	2023-2024	-16.6%
2029	5,570,162.9	CAGR 2024-2029	-11.0%

In 2023, sales for this industry in Chile is forecast to be \$19.1 million dollars.

Sales are forecast to change by -16.6 percent in the next year (2023 to 2024). In 2023, sales will be 14786.1 million Pesos and will change by -11.7 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Chile is forecast to be \$7.2 million dollars.

The compound annual growth rate is projected to change by -11 percent from 2024 to 2029. In 2029, sales will be 14786.1 million Pesos and will change by -11.7 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Chile

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Antofagasta	749.8	664.7	556.2	256.0
Arica y Parinacota	271.8	239.6	199.4	89.4
Atacama	357.1	315.2	262.6	118.3
Aisén	127.8	112.9	94.1	42.5
Biobío (Bío Bío)	2,476.1	2,177.1	1,806.7	798.1
Coquimbo	939.0	832.9	697.2	321.7
La Araucanía	1,164.3	1,024.6	851.0	377.5
O'Higgins	1,122.2	991.0	826.0	372.9
Los Lagos	1,014.8	895.9	746.5	336.5
Los Ríos	460.4	404.1	334.8	146.7
Magallanes y de la Antártica	197.2	173.1	143.5	62.9
Maule	1,264.7	1,114.1	926.3	413.1
Región Metro. de Santiago	8,852.0	7,829.5	6,536.2	2,974.2
Tarapacá	434.0	389.5	330.0	161.6
Valparaíso	2,198.2	1,939.2	1,614.7	725.3

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

China

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	8,025,664.8	29.77%		
2019	5,410,188.6	29.61%	2018-2019	-32.6%
2020	4,559,266.9	30.57%	2019-2020	-15.7%
2021	4,448,408.1	31.36%	2020-2021	-2.4%
2022	4,452,311.3	32.00%	2021-2022	0.1%
2023	4,374,606.0	32.62%	2022-2023	-1.7%
2024	4,292,710.8	33.27%	2023-2024	-1.9%
2029	3,829,762.4	36.11%	CAGR 2024-2029	-2.2%

<u>RMBs</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(RMBs 000s)</u>	<u>Year-to-Year Change</u>	
2018	55,136,317.2		
2019	37,167,995.4	2018-2019	-32.6%
2020	31,322,163.6	2019-2020	-15.7%
2021	30,560,563.5	2020-2021	-2.4%
2022	30,587,378.9	2021-2022	0.1%
2023	30,053,543.5	2022-2023	-1.7%
2024	29,490,923.1	2023-2024	-1.9%
2029	26,310,467.4	CAGR 2024-2029	-2.2%

In 2023, sales for this industry in China is forecast to be \$4,374.6 million dollars. Sales are forecast to change by -1.9 percent in the next year (2023 to 2024). In 2023, sales will be 30053.5 million RMBs and will change by -1.7 percent in the next year (2023 to 2024).

In 2029, sales for this industry in China is forecast to be \$3,829.8 million dollars. The compound annual growth rate is projected to change by -2.2 percent from 2024 to 2029. In 2029, sales will be 30053.5 million RMBs and will change by -1.7 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

China

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Anhui	187,354.8	183,362.7	179,217.3	156,657.8
Beijing	70,618.0	70,543.1	70,374.6	68,147.9
Chongqing	90,047.8	87,919.5	85,727.4	74,049.4
Fujian	123,282.3	121,433.6	119,453.7	107,827.9
Gansu	84,043.1	82,541.2	80,958.4	72,018.8
Guangdong	369,815.2	367,523.8	364,761.4	344,233.9
Guangxi	146,105.6	143,217.4	140,199.8	123,518.7
Guizhou	111,607.0	109,323.9	106,945.2	93,890.1
Hainan	28,681.0	28,286.1	27,859.5	25,305.0
Hebei	234,083.5	230,105.2	225,894.0	201,847.7
Heilongjiang	116,768.7	114,190.3	111,520.4	97,097.4
Henan	301,339.1	295,468.2	289,326.9	255,274.0
Hubei	184,500.4	180,656.0	176,656.7	154,791.1
Hunan	205,692.5	201,399.9	196,935.0	172,531.5
Jiangsu	250,992.5	246,403.5	241,577.0	214,450.5
Jiangxi	142,867.3	140,373.9	137,740.7	122,792.2
Jilin	86,677.7	84,910.4	83,068.6	72,953.3
Liaoning	137,092.7	134,289.0	131,367.9	115,335.1
Nei Menggu [Inner Mongolia]	78,859.4	77,379.9	75,827.4	67,149.5
Ningxia	21,874.2	21,642.2	21,384.2	19,736.9
Qinghai	18,251.4	17,977.2	17,683.5	15,960.1
Shaanxi	119,641.7	117,392.4	115,032.4	101,847.0
Shandong	305,381.3	299,621.7	293,580.3	259,849.8
Shanghai	80,215.5	79,885.0	79,450.2	75,765.4
Shanxi	117,861.2	116,056.0	114,126.7	102,852.2
Sichuan	211,045.6	204,059.9	197,043.4	162,110.1
Tianjin	42,823.6	42,394.4	41,913.8	38,799.4
Xinjiang	76,051.2	75,350.1	74,556.4	69,297.2
Xizang [Tibet]	10,331.9	10,217.6	10,091.2	9,292.4
Yunnan	152,733.8	150,417.3	147,939.2	133,425.1
Zhejiang	172,835.7	170,132.3	167,248.8	150,477.5
Zhejiang	172,835.7	170,132.3	167,248.8	150,477.5

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Czech Republic

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	117,314.9	0.44%		
2019	80,824.3	0.44%	2018-2019	-31.1%
2020	63,472.9	0.43%	2019-2020	-21.5%
2021	60,098.2	0.42%	2020-2021	-5.3%
2022	58,247.1	0.42%	2021-2022	-3.1%
2023	55,419.1	0.41%	2022-2023	-4.9%
2024	52,660.4	0.41%	2023-2024	-5.0%
2029	40,002.3	0.38%	CAGR 2024-2029	-4.8%

<u>Korunas</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Korunas 000s)</u>	<u>Year-to-Year Change</u>	
2018	2,651,316.7		
2019	1,826,629.4	2018-2019	-31.1%
2020	1,434,488.1	2019-2020	-21.5%
2021	1,358,219.6	2020-2021	-5.3%
2022	1,316,384.9	2021-2022	-3.1%
2023	1,252,472.8	2022-2023	-4.9%
2024	1,190,126.0	2023-2024	-5.0%
2029	904,051.2	CAGR 2024-2029	-4.8%

In 2023, sales for this industry in Czech Republic is forecast to be \$55.4 million dollars. Sales are forecast to change by -5 percent in the next year (2023 to 2024). In 2023, sales will be 1252.5 million Korunas and will change by -4.9 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Czech Republic is forecast to be \$40.0 million dollars. The compound annual growth rate is projected to change by -4.8 percent from 2024 to 2029. In 2029, sales will be 1252.5 million Korunas and will change by -4.9 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Czech Republic

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
South Bohemian Region	3,531.2	3,359.8	3,192.5	2,424.9
South Moravian Region	6,487.7	6,174.5	5,868.7	4,463.7
Karlovy Vary Region	1,640.3	1,557.4	1,476.7	1,109.9
Hradec Králové Region	3,016.4	2,863.7	2,715.3	2,040.1
Liberecký kraj [Liberec Region]	2,433.7	2,315.9	2,201.0	1,673.2
Moravian-Silesian Region	6,639.0	6,294.7	5,960.5	4,448.9
Olomouc Region	3,496.0	3,321.5	3,151.6	2,376.8
Pardubice Region	2,875.3	2,737.1	2,602.2	1,981.4
Plzeňský kraj [Plzeň Region]	3,180.1	3,026.4	2,876.3	2,187.0
Praha [Prague]	7,007.1	6,676.0	6,352.2	4,857.5
Central Bohemian Region	7,402.7	7,083.9	6,770.0	5,291.9
Ústecký kraj [Ústí Region]	4,517.6	4,291.4	4,071.2	3,067.5
Vysočina	2,800.5	2,659.2	2,521.8	1,896.3
Zlínský kraj [Zlín Region]	3,219.6	3,057.8	2,900.3	2,183.1

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Denmark

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	95,961.5	0.36%		
2019	67,420.0	0.37%	2018-2019	-29.7%
2020	58,689.7	0.39%	2019-2020	-12.9%
2021	53,616.9	0.38%	2020-2021	-8.6%
2022	52,815.0	0.38%	2021-2022	-1.5%
2023	51,072.3	0.38%	2022-2023	-3.3%
2024	49,323.4	0.38%	2023-2024	-3.4%
2029	40,631.8	0.38%	CAGR 2024-2029	-3.5%

<u>Kroners</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Kroners 000s)</u>	<u>Year-to-Year Change</u>	
2018	642,942.0		
2019	451,714.1	2018-2019	-29.7%
2020	393,220.8	2019-2020	-12.9%
2021	359,233.0	2020-2021	-8.6%
2022	353,860.3	2021-2022	-1.5%
2023	342,184.2	2022-2023	-3.3%
2024	330,466.5	2023-2024	-3.4%
2029	272,233.3	CAGR 2024-2029	-3.5%

In 2023, sales for this industry in Denmark is forecast to be \$51.1 million dollars. Sales are forecast to change by -3.4 percent in the next year (2023 to 2024). In 2023, sales will be 342.2 million Kroners and will change by -3.3 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Denmark is forecast to be \$40.6 million dollars. The compound annual growth rate is projected to change by -3.5 percent from 2024 to 2029. In 2029, sales will be 342.2 million Kroners and will change by -3.3 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Denmark

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Hovedstaden [Capital Region]	16,552.9	16,039.1	15,521.1	12,915.1
Midtjylland [Mid Jutland]	12,010.0	11,619.9	11,227.9	9,273.3
Nordjylland [North Jutland]	5,399.8	5,211.5	5,023.3	4,097.9
Sjælland [Zealand]	7,653.8	7,389.5	7,125.1	5,822.9
Syddanmark [South Denmark]	11,198.5	10,812.3	10,426.0	8,522.6

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Egypt

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	84,289.8	0.31%		
2019	68,243.9	0.37%	2018-2019	-19.0%
2020	70,643.8	0.47%	2019-2020	3.5%
2021	62,751.3	0.44%	2020-2021	-11.2%
2022	60,654.9	0.44%	2021-2022	-3.3%
2023	57,829.6	0.43%	2022-2023	-4.7%
2024	54,715.7	0.42%	2023-2024	-5.4%
2029	40,880.6	0.39%	CAGR 2024-2029	-5.1%

<u>Pounds</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Pounds 000s)</u>	<u>Year-to-Year Change</u>	
2018	1,331,779.2		
2019	1,078,252.8	2018-2019	-19.0%
2020	1,116,172.7	2019-2020	3.5%
2021	991,470.5	2020-2021	-11.2%
2022	958,347.1	2021-2022	-3.3%
2023	913,708.3	2022-2023	-4.7%
2024	864,507.8	2023-2024	-5.4%
2029	645,914.0	CAGR 2024-2029	-5.1%

In 2023, sales for this industry in Egypt is forecast to be \$57.8 million dollars.

Sales are forecast to change by -5.4 percent in the next year (2023 to 2024). In 2023, sales will be 913.7 million Pounds and will change by -4.7 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Egypt is forecast to be \$40.9 million dollars.

The compound annual growth rate is projected to change by -5.1 percent from 2024 to 2029. In 2029, sales will be 913.7 million Pounds and will change by -4.7 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Egypt

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Ad-Daqahiyah [Dakahlia]	4,112.2	3,913.1	3,695.2	2,733.7
Al-Baḥr al-Aḥmar [Red Sea]	248.1	239.9	230.2	184.5
Al-Buḥayrah [Beheira]	3,926.1	3,737.4	3,530.6	2,616.7
Al-Fayyūm [Fayoum]	2,329.8	2,234.5	2,126.7	1,636.5
Al-Gharbiyah [Gharbia]	3,158.9	2,999.1	2,825.6	2,066.4
Al-Iskandariyah [Alexandria]	3,288.7	3,128.8	2,954.0	2,183.2
Al-Ismā'īliyah [Ismailia]	849.9	815.0	775.5	596.2
Al-Jīzah [Giza]	5,603.0	5,370.1	5,107.6	3,916.5
Al-Minūfiyah [Monufia]	2,730.9	2,600.6	2,457.5	1,824.7
Al-Minyā	3,548.0	3,388.5	3,211.4	2,419.1
Al-Qāhirah [Cairo]	5,994.2	5,678.0	5,337.4	3,859.4
Al-Qalyūbyah [Qalyubia]	3,631.2	3,471.6	3,293.6	2,494.2
Al-Uqṣor [Luxor]	801.1	763.9	722.9	540.5
Al-Wādī al-Jadīd [New Valley]	156.3	149.4	141.7	107.0
Ash-Sharqiyah [Sharqia]	4,600.4	4,394.5	4,165.8	3,141.6
As-Suways [Suez]	466.6	446.7	424.4	323.6
Aswān	943.3	897.3	847.1	625.6
Asyūt	2,812.5	2,678.5	2,531.4	1,880.3
Banī Suwayf [Beni Suef]	2,029.8	1,941.0	1,841.8	1,396.1
Būr Sa'īd [Port Said]	475.3	452.8	428.1	318.7
Dumyāṭ [Damietta]	953.1	909.8	861.7	647.4
Kafr ash-Shaykh [Kafr el-Sheikh]	2,131.6	2,027.0	1,912.8	1,410.0
Maṭrūḥ [Matrouh]	289.0	278.4	266.1	209.1
Qinā [Qena]	2,029.6	1,932.5	1,826.1	1,355.2
Sawḥāj [Sohag]	3,178.2	3,030.0	2,866.8	2,141.0
Sīnā' al-Janūbiyah [South Sinai]	73.7	70.3	66.5	49.5
North Sinai	293.4	281.0	267.0	203.8

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Finland

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	84,059.0	0.31%		
2019	54,850.1	0.30%	2018-2019	-34.7%
2020	45,771.4	0.31%	2019-2020	-16.6%
2021	41,351.9	0.29%	2020-2021	-9.7%
2022	39,469.3	0.28%	2021-2022	-4.6%
2023	36,982.6	0.28%	2022-2023	-6.3%
2024	34,607.8	0.27%	2023-2024	-6.4%
2029	24,352.0	0.23%	CAGR 2024-2029	-5.9%

<u>Euros</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Euros 000s)</u>	<u>Year-to-Year Change</u>	
2018	74,812.5		
2019	48,816.6	2018-2019	-34.7%
2020	40,736.5	2019-2020	-16.6%
2021	36,803.2	2020-2021	-9.7%
2022	35,127.7	2021-2022	-4.6%
2023	32,914.5	2022-2023	-6.3%
2024	30,800.9	2023-2024	-6.4%
2029	21,673.2	CAGR 2024-2029	-5.9%

In 2023, sales for this industry in Finland is forecast to be \$37.0 million dollars.

Sales are forecast to change by -6.4 percent in the next year (2023 to 2024). In 2023, sales will be 32.9 million Euros and will change by -6.3 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Finland is forecast to be \$24.4 million dollars.

The compound annual growth rate is projected to change by -5.9 percent from 2024 to 2029. In 2029, sales will be 32.9 million Euros and will change by -6.3 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Finland

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Åland [Åland Islands]	211.6	198.8	186.5	132.9
Etelä-Karjala [South Karelia]	910.6	847.3	787.3	534.6
South Ostrobothnia	1,338.3	1,246.3	1,159.1	790.5
Etelä-Savo [South Savonia]	1,025.3	950.5	880.0	586.7
Kainuu	510.8	472.7	436.8	288.6
Kanta-Häme [Tavastia Proper]	1,243.1	1,163.1	1,086.8	758.7
Central Ostrobothnia	484.9	452.6	421.8	290.9
Keski-Suomi [Central Finland]	1,972.8	1,845.6	1,724.2	1,202.8
Kymenlaakso (Kymmenedalen)	1,233.3	1,146.7	1,064.7	720.3
Lappi [Lapland]	1,246.0	1,157.7	1,074.3	724.3
Päijät-Häme [Päijänne Tavastia]	1,429.0	1,334.7	1,244.9	861.4
Pirkanmaa	3,687.0	3,464.0	3,250.2	2,316.4
Pohjanmaa [Ostrobothnia]	1,280.5	1,197.1	1,117.5	776.7
Pohjois-Karjala [North Karelia]	1,138.6	1,059.2	984.0	667.2
North Ostrobothnia	2,972.3	2,790.2	2,615.8	1,856.6
Pohjois-Savo [North Savonia]	1,726.7	1,608.1	1,495.8	1,020.6
Satakunta	1,541.7	1,433.8	1,331.8	902.4
Uusimaa (Nyland)	12,091.9	11,404.9	10,742.8	7,807.5
Southwest Finland	3,424.9	3,209.4	3,003.5	2,113.0

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

France

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	572,095.8	2.12%		
2019	386,441.1	2.12%	2018-2019	-32.5%
2020	291,723.8	1.96%	2019-2020	-24.5%
2021	269,029.9	1.90%	2020-2021	-7.8%
2022	253,249.7	1.82%	2021-2022	-5.9%
2023	234,029.1	1.75%	2022-2023	-7.6%
2024	215,988.2	1.67%	2023-2024	-7.7%
2029	141,810.4	1.34%	CAGR 2024-2029	-6.9%

<u>Euros</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Euros 000s)</u>	<u>Year-to-Year Change</u>	
2018	509,165.2		
2019	343,932.6	2018-2019	-32.5%
2020	259,634.2	2019-2020	-24.5%
2021	239,436.6	2020-2021	-7.8%
2022	225,392.2	2021-2022	-5.9%
2023	208,285.9	2022-2023	-7.6%
2024	192,229.5	2023-2024	-7.7%
2029	126,211.2	CAGR 2024-2029	-6.9%

In 2023, sales for this industry in France is forecast to be \$234.0 million dollars. Sales are forecast to change by -7.7 percent in the next year (2023 to 2024). In 2023, sales will be 208.3 million Euros and will change by -7.6 percent in the next year (2023 to 2024).

In 2029, sales for this industry in France is forecast to be \$141.8 million dollars. The compound annual growth rate is projected to change by -6.9 percent from 2024 to 2029. In 2029, sales will be 208.3 million Euros and will change by -7.6 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

France

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Auvergne - Rhône - Alpes	30,704.1	28,398.6	26,232.2	17,296.9
Bourgogne [Burgundy]	10,940.7	10,074.5	9,264.8	5,975.2
Bretagne [Brittany]	12,779.6	11,814.5	10,908.2	7,175.9
Centre - Val de Loire	10,313.1	9,522.3	8,780.7	5,740.1
Corse [Corsica]	1,246.0	1,155.1	1,069.4	713.3
Grand Est	21,756.6	20,044.5	18,443.2	11,925.8
Hauts-de-France	23,380.9	21,532.8	19,805.0	12,782.0
Île-de-France	47,766.7	44,151.7	40,757.5	26,788.5
Normandie [Normandy]	13,248.0	12,221.2	11,259.4	7,327.7
Nouvelle-Aquitaine	22,832.0	21,093.0	19,461.3	12,757.9
Pyrénées-Méditerranée	23,037.9	21,374.5	19,805.5	13,264.3
Pays de la Loire	14,519.8	13,440.3	12,424.9	8,225.3
Provence - Alpes - Côte d'Azur	20,724.3	19,206.1	17,776.1	11,837.6

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Germany

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	1,671,853.1	6.20%		
2019	1,067,199.8	5.84%	2018-2019	-36.2%
2020	825,360.2	5.53%	2019-2020	-22.7%
2021	758,120.8	5.34%	2020-2021	-8.1%
2022	711,552.8	5.11%	2021-2022	-6.1%
2023	655,614.3	4.89%	2022-2023	-7.9%
2024	603,293.8	4.68%	2023-2024	-8.0%
2029	390,308.7	3.68%	CAGR 2024-2029	-7.1%

<u>Euros</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Euros 000s)</u>	<u>Year-to-Year Change</u>	
2018	1,487,949.2		
2019	949,807.9	2018-2019	-36.2%
2020	734,570.5	2019-2020	-22.7%
2021	674,727.5	2020-2021	-8.1%
2022	633,282.0	2021-2022	-6.1%
2023	583,496.7	2022-2023	-7.9%
2024	536,931.5	2023-2024	-8.0%
2029	347,374.7	CAGR 2024-2029	-7.1%

In 2023, sales for this industry in Germany is forecast to be \$655.6 million dollars. Sales are forecast to change by -8 percent in the next year (2023 to 2024). In 2023, sales will be 583.5 million Euros and will change by -7.9 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Germany is forecast to be \$390.3 million dollars. The compound annual growth rate is projected to change by -7.1 percent from 2024 to 2029. In 2029, sales will be 583.5 million Euros and will change by -7.9 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Germany

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Baden-Württemberg	95,229.4	87,934.8	81,093.5	53,031.0
Bayern [Bavaria]	112,861.7	104,302.1	96,266.4	63,212.2
Berlin	30,337.0	27,977.3	25,767.6	16,743.0
Brandenburg	21,485.1	19,764.1	18,157.4	11,650.5
Bremen	5,793.1	5,336.2	4,908.9	3,170.9
Hamburg	15,670.2	14,471.6	13,347.2	8,733.5
Hessen [Hesse]	53,668.7	49,499.9	45,595.6	29,643.7
Western Pomerania	13,544.9	12,401.7	11,340.3	7,108.1
Niedersachsen [Lower Saxony]	68,889.4	63,497.1	58,450.7	37,878.2
North Rhine-Westphalia	154,212.2	142,007.7	130,599.2	84,236.8
Rheinland-Pfalz	35,293.6	32,536.1	29,955.1	19,427.5
Saarland	8,467.9	7,767.2	7,115.2	4,500.1
Sachsen [Saxony]	34,323.9	31,446.5	28,772.9	18,090.6
Sachsen-Anhalt [Saxony-Anhalt]	18,527.2	16,900.0	15,395.8	9,470.8
Schleswig-Holstein	25,140.8	23,212.2	21,403.8	13,988.6
Thüringen [Thuringia]	18,107.8	16,559.7	15,124.3	9,423.3

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Hungary

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	61,058.2	0.23%		
2019	40,904.7	0.22%	2018-2019	-33.0%
2020	32,453.2	0.22%	2019-2020	-20.7%
2021	29,209.3	0.21%	2020-2021	-10.0%
2022	27,539.0	0.20%	2021-2022	-5.7%
2023	25,488.7	0.19%	2022-2023	-7.4%
2024	23,560.6	0.18%	2023-2024	-7.6%
2029	15,590.3	0.15%	CAGR 2024-2029	-6.8%

<u>Forints</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Forints 000s)</u>	<u>Year-to-Year Change</u>	
2018	18,341,896.9		
2019	12,287,775.0	2018-2019	-33.0%
2020	9,748,930.4	2019-2020	-20.7%
2021	8,774,476.0	2020-2021	-10.0%
2022	8,272,713.1	2021-2022	-5.7%
2023	7,656,799.1	2022-2023	-7.4%
2024	7,077,596.5	2023-2024	-7.6%
2029	4,683,336.2	CAGR 2024-2029	-6.8%

In 2023, sales for this industry in Hungary is forecast to be \$25.5 million dollars.

Sales are forecast to change by -7.6 percent in the next year (2023 to 2024). In 2023, sales will be 7656.8 million Forints and will change by -7.4 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Hungary is forecast to be \$15.6 million dollars.

The compound annual growth rate is projected to change by -6.8 percent from 2024 to 2029. In 2029, sales will be 7656.8 million Forints and will change by -7.4 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Hungary

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Bács-Kiskun	1,428.1	1,320.2	1,218.8	801.0
Baranya	1,031.0	951.2	876.5	570.7
Békés	950.0	874.4	803.7	517.0
Borsod-Abaúj-Zemplén	1,828.5	1,685.2	1,551.2	1,004.5
Budapest	4,740.8	4,373.1	4,028.6	2,619.8
Csongrád	1,133.7	1,047.7	966.9	634.6
Fejér	1,190.4	1,103.4	1,021.4	680.4
Győr-Moson-Sopron	1,297.7	1,205.9	1,119.1	755.0
Hajdú-Bihar	1,510.2	1,398.6	1,293.5	858.1
Heves	833.4	769.3	709.2	462.7
Jász-Nagykun-Szolnok	1,043.1	962.2	886.4	576.5
Komárom-Esztergom	840.0	776.9	717.6	473.0
Nógrád	537.6	495.3	455.7	294.5
Pest	3,697.1	3,463.6	3,240.7	2,277.4
Somogy	854.0	788.2	726.4	473.5
Szabolcs-Szatmár-Bereg	1,572.9	1,456.6	1,347.1	893.2
Tolna	618.3	570.2	525.1	340.9
Vas	707.4	653.8	603.4	396.1
Veszprém	963.3	890.1	821.4	538.7
Zala	761.5	702.9	647.9	422.7

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

India

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	820,911.3	3.05%		
2019	541,335.0	2.96%	2018-2019	-34.1%
2020	431,081.6	2.89%	2019-2020	-20.4%
2021	386,287.9	2.72%	2020-2021	-10.4%
2022	361,868.7	2.60%	2021-2022	-6.3%
2023	332,784.8	2.48%	2022-2023	-8.0%
2024	305,643.5	2.37%	2023-2024	-8.2%
2029	195,862.2	1.85%	CAGR 2024-2029	-7.2%

<u>Rupees</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Rupees Mills)</u>	<u>Year-to-Year Change</u>	
2018	58,202.6		
2019	38,380.7	2018-2019	-34.1%
2020	30,563.7	2019-2020	-20.4%
2021	27,387.8	2020-2021	-10.4%
2022	25,656.5	2021-2022	-6.3%
2023	23,594.4	2022-2023	-8.0%
2024	21,670.1	2023-2024	-8.2%
2029	13,886.6	CAGR 2024-2029	-7.2%

In 2023, sales for this industry in India is forecast to be \$332.8 million dollars. Sales are forecast to change by -8.2 percent in the next year (2023 to 2024). In 2023, sales will be 23.6 million Rupees and will change by -8 percent in the next year (2023 to 2024).

In 2029, sales for this industry in India is forecast to be \$195.9 million dollars. The compound annual growth rate is projected to change by -7.2 percent from 2024 to 2029. In 2029, sales will be 23.6 million Rupees and will change by -8 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

India

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Andhra Pradesh	14,297.0	13,074.2	11,940.5	7,438.2
Arunāchal Pradesh	420.4	388.0	357.7	233.3
Assam	9,219.5	8,467.9	7,767.5	4,945.6
Bihār	31,818.9	29,377.5	27,088.1	17,701.7
Chandīgarh	336.4	311.1	287.2	189.1
Chhattīsgarh	7,517.8	6,913.0	6,348.6	4,065.9
Goa	425.7	389.6	356.0	222.6
Gujarāt	18,102.5	16,656.7	15,306.5	9,833.8
Haryāna	7,754.2	7,149.1	6,582.7	4,271.5
Himāchal Pradesh	2,019.4	1,851.9	1,696.1	1,071.6
Jammu & Kashmīr	3,853.7	3,557.9	3,280.6	2,143.8
Jhārkhand	9,898.4	9,117.0	8,386.4	5,415.1
Karnāataka	17,957.8	16,479.7	15,103.6	9,575.4
Kerala	9,530.2	8,695.6	7,923.7	4,880.9
Madhya Pradesh	21,876.8	20,145.4	18,526.9	11,949.5
Mahārāshtra	33,694.4	30,978.0	28,443.7	18,199.5
Manipur	861.3	794.1	731.2	474.4
Meghālaya	912.9	843.9	779.1	512.2
Odisha (Orissa)	12,281.7	11,261.4	10,312.5	6,510.6
Punjab	8,240.7	7,565.7	6,936.9	4,407.3
Rājasthān	20,957.6	19,328.9	17,803.6	11,572.6
Tamil Nādu	20,719.4	18,975.7	17,356.2	10,893.0
Telangana	10,318.3	9,466.0	8,672.8	5,489.6
Tripura	1,073.8	984.8	901.9	569.8
Uttarākhnd (Uttaranchal)	2,983.4	2,741.8	2,516.5	1,607.0
Uttar Pradesh	60,555.8	55,790.9	51,334.2	33,192.2
West Bengal	26,869.1	24,648.5	22,582.0	14,290.1

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Indonesia

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	429,509.8	1.59%		
2019	312,014.1	1.71%	2018-2019	-27.4%
2020	248,467.2	1.67%	2019-2020	-20.4%
2021	236,425.1	1.67%	2020-2021	-4.8%
2022	231,656.6	1.66%	2021-2022	-2.0%
2023	222,827.2	1.66%	2022-2023	-3.8%
2024	214,057.8	1.66%	2023-2024	-3.9%
2029	171,720.4	1.62%	CAGR 2024-2029	-4.0%

<u>Rupiahs</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Rupiahs Mill.)</u>	<u>Year-to-Year Change</u>	
2018	5,857,654.2		
2019	4,255,248.2	2018-2019	-27.4%
2020	3,388,595.1	2019-2020	-20.4%
2021	3,224,365.4	2020-2021	-4.8%
2022	3,159,332.3	2021-2022	-2.0%
2023	3,038,917.3	2022-2023	-3.8%
2024	2,919,320.0	2023-2024	-3.9%
2029	2,341,923.1	CAGR 2024-2029	-4.0%

In 2023, sales for this industry in Indonesia is forecast to be \$222.8 million dollars. Sales are forecast to change by -3.9 percent in the next year (2023 to 2024). In 2023, sales will be 3038.9 million Rupiahs and will change by -3.8 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Indonesia is forecast to be \$171.7 million dollars. The compound annual growth rate is projected to change by -4 percent from 2024 to 2029. In 2029, sales will be 3038.9 million Rupiahs and will change by -3.8 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Indonesia

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Aceh	4,584.8	4,421.9	4,259.2	3,460.5
Bali	3,910.4	3,778.5	3,646.2	2,990.2
Banten	10,794.4	10,427.9	10,060.6	8,241.3
Bengkulu	1,785.2	1,727.9	1,670.1	1,381.0
Gorontalo	1,017.6	979.8	942.1	758.9
Jakarta	9,034.3	8,660.6	8,291.3	6,535.3
Jambi	3,268.8	3,173.1	3,076.2	2,581.6
Jawa Barat [West Java]	41,751.5	40,141.9	38,543.3	30,829.0
Jawa Tengah [Central Java]	30,138.4	28,823.3	27,529.1	21,443.3
Jawa Timur [East Java]	34,799.4	33,307.0	31,836.3	24,895.4
West Borneo	4,485.9	4,327.4	4,168.9	3,390.4
South Borneo	3,728.0	3,604.5	3,480.4	2,863.2
Central Borneo	2,426.0	2,358.0	2,288.8	1,933.1
East Borneo	3,343.1	3,253.2	3,161.6	2,685.9
North Borneo	526.2	503.1	480.3	373.5
Bangka Belitung Islands	1,251.8	1,211.2	1,170.4	966.4
Kepulauan Riau [Riau Islands]	1,862.3	1,819.2	1,774.7	1,537.0
Lampung	7,426.8	7,142.4	6,859.8	5,494.1
Maluku [Moluccas]	1,298.2	1,231.8	1,167.3	874.1
Northern Moluccas	1,042.0	1,005.0	968.1	786.8
Western Lesser Sunda Islands	4,505.1	4,342.1	4,179.4	3,384.1
Eastern Lesser Sunda Islands	4,832.9	4,676.8	4,519.8	3,734.2
Papua (Irian Jaya)	3,072.9	3,005.0	2,934.8	2,555.3
Papua Barat [West Papua]	801.5	778.0	754.2	632.7
Riau	6,177.5	6,030.4	5,879.0	5,074.1
Sulbar [West Sulawesi]	1,159.2	1,118.8	1,078.3	879.0
[South Sulawesi]	7,555.3	7,238.6	6,926.1	5,443.8
Central Sulawesi	2,789.6	2,706.3	2,622.0	2,193.8
Southeast Sulawesi	2,467.3	2,402.2	2,335.7	1,989.3
North Sulawesi	1,969.5	1,871.3	1,775.6	1,338.7
Sumatera Barat [West Sumatra]	4,672.8	4,487.8	4,304.4	3,424.3
South Sumatra	7,128.1	6,844.3	6,563.1	5,215.3
North Sumatra	12,750.8	12,263.6	11,779.5	9,438.8
Yogyakarta	3,299.1	3,164.4	3,031.2	2,395.9

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Ireland

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	257,152.5	0.95%		
2019	180,784.2	0.99%	2018-2019	-29.7%
2020	173,601.4	1.16%	2019-2020	-4.0%
2021	159,860.5	1.13%	2020-2021	-7.9%
2022	155,500.1	1.12%	2021-2022	-2.7%
2023	146,889.0	1.10%	2022-2023	-5.5%
2024	139,426.3	1.08%	2023-2024	-5.1%
2029	110,087.5	1.04%	CAGR 2024-2029	-4.2%

<u>Euros</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Euros 000s)</u>	<u>Year-to-Year Change</u>	
2018	228,865.7		
2019	160,897.9	2018-2019	-29.7%
2020	154,505.3	2019-2020	-4.0%
2021	142,275.8	2020-2021	-7.9%
2022	138,395.1	2021-2022	-2.7%
2023	130,731.2	2022-2023	-5.5%
2024	124,089.4	2023-2024	-5.1%
2029	97,977.8	CAGR 2024-2029	-4.2%

In 2023, sales for this industry in Ireland is forecast to be \$146.9 million dollars.

Sales are forecast to change by -5.1 percent in the next year (2023 to 2024). In 2023, sales will be 130.7 million Euros and will change by -5.5 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Ireland is forecast to be \$110.1 million dollars.

The compound annual growth rate is projected to change by -4.2 percent from 2024 to 2029. In 2029, sales will be 130.7 million Euros and will change by -5.5 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Ireland

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Connacht	17,962.7	16,937.5	16,048.0	12,556.3
Leinster	86,596.2	81,961.6	77,950.2	62,148.5
Munster	41,158.7	38,752.5	36,663.3	28,475.7
Ulster (part of)	9,782.5	9,237.3	8,764.8	6,906.9

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Israel

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	91,937.3	0.34%		
2019	60,713.0	0.33%	2018-2019	-34.0%
2020	54,440.7	0.37%	2019-2020	-10.3%
2021	50,156.3	0.35%	2020-2021	-7.9%
2022	49,467.3	0.36%	2021-2022	-1.4%
2023	47,894.2	0.36%	2022-2023	-3.2%
2024	46,311.4	0.36%	2023-2024	-3.3%
2029	38,387.2	0.36%	CAGR 2024-2029	-3.4%

<u>Shekels</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Shekels 000s)</u>	<u>Year-to-Year Change</u>	
2018	312,586.7		
2019	206,424.1	2018-2019	-34.0%
2020	185,098.4	2019-2020	-10.3%
2021	170,531.4	2020-2021	-7.9%
2022	168,188.7	2021-2022	-1.4%
2023	162,840.4	2022-2023	-3.2%
2024	157,458.7	2023-2024	-3.3%
2029	130,516.6	CAGR 2024-2029	-3.4%

In 2023, sales for this industry in Israel is forecast to be \$47.9 million dollars.

Sales are forecast to change by -3.3 percent in the next year (2023 to 2024). In 2023, sales will be 162.8 million Shekels and will change by -3.2 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Israel is forecast to be \$38.4 million dollars.

The compound annual growth rate is projected to change by -3.4 percent from 2024 to 2029. In 2029, sales will be 162.8 million Shekels and will change by -3.2 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Israel

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
HaDarom [Southern District]	7,825.2	7,622.8	7,415.6	6,331.6
HaMerkaz [Central District]	13,008.7	12,666.2	12,316.2	10,491.1
HaZafon [Northern District]	8,542.8	8,272.4	7,999.9	6,630.3
Hefa [Haifa]	5,813.1	5,593.1	5,374.2	4,313.1
Tel Aviv	7,743.6	7,400.2	7,062.7	5,479.9
Yerushalayim [Jerusalem]	6,533.9	6,339.5	6,142.7	5,141.3

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Italy

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	649,049.6	2.41%		
2019	422,278.4	2.31%	2018-2019	-34.9%
2020	331,656.6	2.22%	2019-2020	-21.5%
2021	303,207.0	2.14%	2020-2021	-8.6%
2022	286,012.5	2.06%	2021-2022	-5.7%
2023	264,852.1	1.97%	2022-2023	-7.4%
2024	244,940.8	1.90%	2023-2024	-7.5%
2029	162,489.8	1.53%	CAGR 2024-2029	-6.7%

<u>Euros</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Euros 000s)</u>	<u>Year-to-Year Change</u>	
2018	577,654.2		
2019	375,827.7	2018-2019	-34.9%
2020	295,174.3	2019-2020	-21.5%
2021	269,854.2	2020-2021	-8.6%
2022	254,551.2	2021-2022	-5.7%
2023	235,718.4	2022-2023	-7.4%
2024	217,997.3	2023-2024	-7.5%
2029	144,615.9	CAGR 2024-2029	-6.7%

In 2023, sales for this industry in Italy is forecast to be \$264.9 million dollars.

Sales are forecast to change by -7.5 percent in the next year (2023 to 2024). In 2023, sales will be 235.7 million Euros and will change by -7.4 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Italy is forecast to be \$162.5 million dollars.

The compound annual growth rate is projected to change by -6.7 percent from 2024 to 2029. In 2029, sales will be 235.7 million Euros and will change by -7.4 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Italy

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Abruzzo	6,241.6	5,776.8	5,339.6	3,532.5
Basilicata	2,652.1	2,442.2	2,246.1	1,448.9
Calabria	9,095.3	8,380.6	7,712.1	4,989.9
Campania	27,510.8	25,439.6	23,493.9	15,474.4
Emilia-Romagna	21,250.2	19,727.3	18,289.9	12,284.6
Friuli-Venezia Giulia	5,740.7	5,306.1	4,898.1	3,219.0
Lazio [Latium]	27,549.7	25,578.0	23,716.6	15,937.6
Liguria	7,214.8	6,645.8	6,113.7	3,949.3
Lombardia [Lombardy]	47,701.3	44,275.3	41,042.2	27,542.8
Marche	7,365.9	6,826.6	6,318.7	4,208.8
Molise	1,440.5	1,326.8	1,220.5	788.3
Piemonte [Piedmont]	20,601.1	19,043.6	17,581.0	11,559.9
Puglia [Apulia]	19,080.2	17,625.1	16,259.9	10,653.2
Sardegna [Sardinia]	7,732.9	7,141.7	6,587.1	4,311.1
Sicilia [Sicily]	23,670.3	21,870.6	20,181.4	13,238.9
Toscana [Tuscany]	17,621.6	16,313.8	15,083.4	9,992.3
Trentino-Alto Adige	5,139.2	4,780.6	4,441.3	3,013.4
Umbria	4,239.6	3,930.1	3,638.5	2,426.3
Valle d'Aosta (Vallée d'Aoste)	607.0	562.6	520.8	347.1
Veneto [Venetia]	23,557.9	21,858.9	20,256.1	13,571.6

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Japan

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	2,132,663.5	7.91%		
2019	1,479,465.9	8.10%	2018-2019	-30.6%
2020	1,175,408.5	7.88%	2019-2020	-20.6%
2021	1,121,792.9	7.91%	2020-2021	-4.6%
2022	1,092,900.5	7.86%	2021-2022	-2.6%
2023	1,045,252.1	7.79%	2022-2023	-4.4%
2024	998,391.1	7.74%	2023-2024	-4.5%
2029	778,351.8	7.34%	CAGR 2024-2029	-4.4%

<u>Yen</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Yen Bills)</u>	<u>Year-to-Year Change</u>	
2018	234,593.0		
2019	162,741.2	2018-2019	-30.6%
2020	129,294.9	2019-2020	-20.6%
2021	123,397.2	2020-2021	-4.6%
2022	120,219.1	2021-2022	-2.6%
2023	114,977.7	2022-2023	-4.4%
2024	109,823.0	2023-2024	-4.5%
2029	85,618.7	CAGR 2024-2029	-4.4%

In 2023, sales for this industry in Japan is forecast to be \$1,045.3 million dollars. Sales are forecast to change by -4.5 percent in the next year (2023 to 2024). In 2023, sales will be 115 million Yen and will change by -4.4 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Japan is forecast to be \$778.4 million dollars. The compound annual growth rate is projected to change by -4.4 percent from 2024 to 2029. In 2029, sales will be 115 million Yen and will change by -4.4 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Japan

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Aichi	65,566.9	62,933.6	60,327.2	47,868.3
Akita	8,529.4	8,084.6	7,653.0	5,702.5
Aomori	11,060.5	10,508.1	9,970.3	7,516.2
Chiba	54,549.1	52,330.2	50,136.1	39,675.6
Ehime	11,653.4	11,090.0	10,540.0	8,012.6
Fukui	6,685.7	6,373.4	6,067.7	4,652.5
Fukuoka	43,441.3	41,557.0	39,702.6	30,979.3
Fukushima	16,573.9	15,773.6	14,992.3	11,400.9
Gifu	17,436.7	16,641.0	15,860.8	12,230.6
Gumma (Gunma)	16,943.9	16,181.9	15,434.0	11,942.7
Hiroshima	23,925.5	22,836.2	21,768.1	16,795.0
Hokkaidō	45,435.3	43,291.6	41,195.3	31,509.7
Hyōgo	48,217.6	46,143.6	44,101.2	34,476.8
Ibaraki	25,025.7	23,902.4	22,799.8	17,650.3
Ishikawa	9,757.7	9,311.7	8,874.5	6,840.6
Iwate	10,786.5	10,255.4	9,737.7	7,368.3
Kagawa	8,210.5	7,824.2	7,446.3	5,699.3
Kagoshima	13,912.6	13,240.2	12,583.9	9,567.6
Kanagawa	80,881.5	77,720.0	74,584.6	59,513.0
Kōchi	6,195.0	5,889.7	5,592.0	4,230.1
Kumamoto	15,057.3	14,355.7	13,669.0	10,487.7
Kyōto	22,211.4	21,213.5	20,233.9	15,660.4
Mie	15,710.8	15,010.4	14,322.5	11,105.4
Miyagi	19,878.6	18,990.8	18,119.0	14,043.4
Miyazaki	9,319.2	8,877.6	8,446.0	6,453.4
Nagano	17,948.6	17,116.7	16,301.9	12,523.4
Nagasaki	11,405.6	10,834.0	10,277.5	7,740.5
Nara	11,620.6	11,079.1	10,549.0	8,093.5
Niigata	19,382.2	18,449.6	17,538.9	13,349.4
Ōita	9,855.1	9,392.8	8,940.4	6,847.9
Okayama	16,339.4	15,601.0	14,876.5	11,498.1
Okinawa	12,452.7	11,963.0	11,477.5	9,147.0
Ōsaka	74,644.3	71,313.2	68,041.8	52,745.6
Saga	6,964.8	6,633.3	6,309.3	4,815.4
Saitama	62,934.4	60,342.0	57,780.8	45,602.0

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

South Korea

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	951,275.5	3.53%		
2019	590,051.1	3.23%	2018-2019	-38.0%
2020	479,905.9	3.22%	2019-2020	-18.7%
2021	429,348.9	3.03%	2020-2021	-10.5%
2022	401,157.9	2.88%	2021-2022	-6.6%
2023	367,953.4	2.74%	2022-2023	-8.3%
2024	337,061.8	2.61%	2023-2024	-8.4%
2029	213,191.6	2.01%	CAGR 2024-2029	-7.4%

<u>Won</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Won Mills)</u>	<u>Year-to-Year Change</u>	
2018	1,102,528.3		
2019	683,869.2	2018-2019	-38.0%
2020	556,210.9	2019-2020	-18.7%
2021	497,615.4	2020-2021	-10.5%
2022	464,942.0	2021-2022	-6.6%
2023	426,458.0	2022-2023	-8.3%
2024	390,654.6	2023-2024	-8.4%
2029	247,089.0	CAGR 2024-2029	-7.4%

In 2023, sales for this industry in South Korea is forecast to be \$368.0 million dollars. Sales are forecast to change by -8.4 percent in the next year (2023 to 2024). In 2023, sales will be 426.5 million Won and will change by -8.3 percent in the next year (2023 to 2024).

In 2029, sales for this industry in South Korea is forecast to be \$213.2 million dollars. The compound annual growth rate is projected to change by -7.4 percent from 2024 to 2029. In 2029, sales will be 426.5 million Won and will change by -8.3 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

South Korea

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Busan (Pusan)	24,159.8	21,812.6	19,664.8	11,454.3
North Chungcheong	12,091.2	11,049.3	10,082.5	6,238.9
South Chungcheong	15,525.3	14,210.5	12,988.0	8,102.0
Daegu (Taegu)	18,726.0	17,029.1	15,463.3	9,337.6
Daejeon (Taejŏn)	12,910.2	11,872.8	10,902.9	6,963.9
Gangwon-do (Kangwŏn-do)	11,229.0	10,212.6	9,274.7	5,603.8
Gwangju (Kwangju)	12,616.0	11,596.5	10,644.0	6,781.9
Gyeonggi-do (Kyŏnggi-do)	115,962.6	108,338.8	101,068.7	69,848.0
North Gyeongsang	19,349.7	17,553.9	15,901.5	9,487.1
South Gyeongsang	25,648.8	23,472.5	21,449.6	13,368.8
Incheon (Inch'ŏn)	22,280.5	20,449.1	18,740.9	11,850.7
Jeju-do (Cheju-do)	4,247.4	3,877.9	3,535.4	2,177.8
Jeollabuk-do [North Jeolla]	12,808.1	11,588.9	10,470.6	6,165.7
Jeollanam-do [South Jeolla]	11,748.0	10,556.8	9,472.5	5,388.9
Sejong	629.1	572.9	521.0	316.9
Seoul (Sŏul)	72,289.0	65,569.5	59,388.0	35,404.4
Ulsan	8,937.2	8,189.5	7,493.4	4,700.8

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Malaysia

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	160,420.6	0.60%		
2019	110,651.0	0.61%	2018-2019	-31.0%
2020	88,668.2	0.59%	2019-2020	-19.9%
2021	86,762.0	0.61%	2020-2021	-2.1%
2022	86,099.9	0.62%	2021-2022	-0.8%
2023	83,878.1	0.63%	2022-2023	-2.6%
2024	81,608.1	0.63%	2023-2024	-2.7%
2029	69,764.5	0.66%	CAGR 2024-2029	-2.9%

<u>Ringgits</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Ringgits 000s)</u>	<u>Year-to-Year Change</u>	
2018	651,307.6		
2019	449,243.2	2018-2019	-31.0%
2020	359,992.9	2019-2020	-19.9%
2021	352,253.8	2020-2021	-2.1%
2022	349,565.7	2021-2022	-0.8%
2023	340,544.9	2022-2023	-2.6%
2024	331,328.9	2023-2024	-2.7%
2029	283,243.9	CAGR 2024-2029	-2.9%

In 2023, sales for this industry in Malaysia is forecast to be \$83.9 million dollars. Sales are forecast to change by -2.7 percent in the next year (2023 to 2024). In 2023, sales will be 340.5 million Ringgits and will change by -2.6 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Malaysia is forecast to be \$69.8 million dollars. The compound annual growth rate is projected to change by -2.9 percent from 2024 to 2029. In 2029, sales will be 340.5 million Ringgits and will change by -2.6 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Malaysia

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Johor	9,943.5	9,668.2	9,387.7	7,934.5
Kedah	5,654.3	5,479.8	5,303.3	4,409.4
Kelantan	4,615.9	4,468.0	4,319.0	3,569.4
Kuala Lumpur	4,672.0	4,517.4	4,361.9	3,585.2
Labuan	265.1	257.9	250.6	212.5
Melaka [Malacca]	2,438.3	2,372.9	2,306.0	1,957.4
Negeri Sembilan	2,947.9	2,855.8	2,762.9	2,293.0
Pahang	4,327.5	4,189.3	4,049.9	3,348.6
Perak	6,334.4	6,091.9	5,850.7	4,681.1
Perlis	641.1	617.5	593.9	478.8
Pinang (Pulau Pinang) [Penang]	4,568.2	4,427.1	4,284.4	3,561.9
Putrajaya	291.8	303.1	314.4	369.7
Sabah	10,484.0	10,268.2	10,043.0	8,802.8
Sarawak	7,272.1	7,054.0	6,833.1	5,707.1
Selangor	18,565.0	18,328.1	18,069.4	16,480.6
Terengganu	3,079.0	2,978.8	2,877.9	2,372.3

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Mexico

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	438,691.3	1.63%		
2019	311,133.9	1.70%	2018-2019	-29.1%
2020	221,361.1	1.48%	2019-2020	-28.9%
2021	209,059.0	1.47%	2020-2021	-5.6%
2022	197,033.9	1.42%	2021-2022	-5.8%
2023	182,299.5	1.36%	2022-2023	-7.5%
2024	168,449.3	1.31%	2023-2024	-7.6%
2029	111,266.6	1.05%	CAGR 2024-2029	-6.8%

<u>New Pesos</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(New Pesos 000s)</u>	<u>Year-to-Year Change</u>	
2018	8,203,527.7		
2019	5,818,203.6	2018-2019	-29.1%
2020	4,139,452.3	2019-2020	-28.9%
2021	3,909,403.9	2020-2021	-5.6%
2022	3,684,533.6	2021-2022	-5.8%
2023	3,409,000.1	2022-2023	-7.5%
2024	3,150,001.6	2023-2024	-7.6%
2029	2,080,685.0	CAGR 2024-2029	-6.8%

In 2023, sales for this industry in Mexico is forecast to be \$182.3 million dollars.

Sales are forecast to change by -7.6 percent in the next year (2023 to 2024). In 2023, sales will be 3409 million New Pesos and will change by -7.5 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Mexico is forecast to be \$111.3 million dollars.

The compound annual growth rate is projected to change by -6.8 percent from 2024 to 2029. In 2029, sales will be 3409 million New Pesos and will change by -7.5 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Mexico

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Aguascalientes	2,242.9	2,089.7	1,944.4	1,328.8
Baja California	6,403.6	5,998.1	5,610.7	3,937.4
Baja California Sur	1,359.2	1,284.3	1,211.9	888.4
Campeche	1,481.6	1,373.7	1,272.0	848.4
Chiapas	8,844.1	8,222.3	7,634.0	5,160.8
Chihuahua	5,993.9	5,538.1	5,110.1	3,349.4
Ciudad de México	13,916.7	12,726.3	11,622.2	7,234.3
Coahuila	4,873.3	4,514.5	4,176.6	2,773.6
Colima	1,175.8	1,091.9	1,012.6	680.7
Durango	2,679.0	2,464.4	2,264.0	1,451.7
Guanajuato	9,492.4	8,779.5	8,109.3	5,342.2
Guerrero	5,611.3	5,164.6	4,747.1	3,051.8
Hidalgo	4,628.6	4,284.3	3,960.4	2,619.2
Jalisco	12,777.9	11,812.0	10,904.5	7,164.6
México	27,636.3	25,632.3	23,741.8	15,860.6
Michoacán	6,975.6	6,405.4	5,874.0	3,732.9
Morelos	3,071.7	2,838.5	2,619.6	1,718.2
Nayarit	1,814.5	1,674.8	1,543.8	1,006.6
Nuevo León	8,474.6	7,869.1	7,297.1	4,902.8
Oaxaca	6,378.8	5,876.7	5,406.8	3,492.7
Puebla	10,260.7	9,494.2	8,773.3	5,792.3
Querétaro	3,589.0	3,357.0	3,135.8	2,185.3
Quintana Roo	3,197.7	3,044.8	2,895.5	2,206.2
San Luis Potosí	4,365.3	4,023.3	3,703.2	2,397.2
Sinaloa	4,581.1	4,213.2	3,869.6	2,478.3
Sonora	4,733.2	4,386.9	4,060.4	2,702.9
Tabasco	3,954.3	3,663.6	3,389.7	2,252.2
Tamaulipas	5,964.6	5,534.3	5,128.2	3,432.7
Tlaxcala	2,162.7	2,009.8	1,865.3	1,258.6
Veracruz	12,511.8	11,503.2	10,561.8	6,753.2
Yucatán	3,495.5	3,237.5	2,994.7	1,986.9
Zacatecas	2,386.3	2,190.9	2,008.8	1,275.6

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Netherlands

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	210,633.9	0.78%		
2019	138,768.0	0.76%	2018-2019	-34.1%
2020	116,188.0	0.78%	2019-2020	-16.3%
2021	108,802.8	0.77%	2020-2021	-6.4%
2022	106,255.4	0.76%	2021-2022	-2.3%
2023	101,867.1	0.76%	2022-2023	-4.1%
2024	97,534.1	0.76%	2023-2024	-4.3%
2029	76,956.5	0.73%	CAGR 2024-2029	-4.2%

<u>Euros</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Euros 000s)</u>	<u>Year-to-Year Change</u>	
2018	187,464.2		
2019	123,503.5	2018-2019	-34.1%
2020	103,407.3	2019-2020	-16.3%
2021	96,834.5	2020-2021	-6.4%
2022	94,567.3	2021-2022	-2.3%
2023	90,661.7	2022-2023	-4.1%
2024	86,805.3	2023-2024	-4.3%
2029	68,491.3	CAGR 2024-2029	-4.2%

In 2023, sales for this industry in Netherlands is forecast to be \$101.9 million dollars. Sales are forecast to change by -4.3 percent in the next year (2023 to 2024). In 2023, sales will be 90.7 million Euros and will change by -4.1 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Netherlands is forecast to be \$77.0 million dollars. The compound annual growth rate is projected to change by -4.2 percent from 2024 to 2029. In 2029, sales will be 90.7 million Euros and will change by -4.1 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Netherlands

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Drenthe	3,053.5	2,920.9	2,790.5	2,177.3
Flevoland	2,652.4	2,565.3	2,477.9	2,042.7
Fryslân (Friesland)	4,004.4	3,828.3	3,655.2	2,843.4
Gelderland	12,727.6	12,194.0	11,667.5	9,174.3
Groningen	3,596.5	3,438.9	3,284.0	2,557.1
Limburg	6,819.3	6,500.9	6,189.2	4,746.8
Noord-Brabant [North Brabant]	15,597.0	14,943.0	14,297.8	11,242.4
Noord-Holland [North Holland]	17,532.3	16,842.7	16,159.2	12,879.2
Overijssel	7,144.6	6,843.5	6,546.5	5,141.5
Utrecht	8,146.6	7,847.2	7,549.0	6,097.9
Zeeland [Zealand]	2,358.7	2,254.0	2,151.2	1,670.0
Zuid-Holland [South Holland]	22,622.4	21,688.5	20,766.1	16,383.9

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Nigeria

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	79,704.2	0.30%		
2019	73,063.0	0.40%	2018-2019	-8.3%
2020	64,668.5	0.43%	2019-2020	-11.5%
2021	71,836.1	0.51%	2020-2021	11.1%
2022	81,883.1	0.59%	2021-2022	14.0%
2023	91,626.0	0.68%	2022-2023	11.9%
2024	102,395.8	0.79%	2023-2024	11.8%
2029	175,015.4	1.65%	CAGR 2024-2029	14.2%

<u>Nairas</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Nairas 000s)</u>	<u>Year-to-Year Change</u>	
2018	28,852,913.9		
2019	26,448,791.6	2018-2019	-8.3%
2020	23,409,994.3	2019-2020	-11.5%
2021	26,004,670.7	2020-2021	11.1%
2022	29,641,696.7	2021-2022	14.0%
2023	33,168,610.5	2022-2023	11.9%
2024	37,067,283.1	2023-2024	11.8%
2029	63,355,588.2	CAGR 2024-2029	14.2%

In 2023, sales for this industry in Nigeria is forecast to be \$91.6 million dollars.

Sales are forecast to change by 11.8 percent in the next year (2023 to 2024). In 2023, sales will be 33168.6 million Nairas and will change by 11.9 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Nigeria is forecast to be \$175.0 million dollars.

The compound annual growth rate is projected to change by 14.2 percent from 2024 to 2029. In 2029, sales will be 33168.6 million Nairas and will change by 11.9 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Nigeria

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Abia	1,495.1	1,655.0	1,829.5	2,959.7
Adamawa	1,787.6	1,994.7	2,222.8	3,742.2
Akwa Ibom	2,318.2	2,596.0	2,903.2	4,975.6
Anambra	2,324.5	2,592.0	2,886.5	4,843.6
Bauchi	2,767.1	3,099.0	3,466.2	5,944.7
Bayelsa	959.6	1,071.0	1,193.6	2,011.2
Benue	2,422.9	2,706.2	3,018.6	5,107.1
Borno	2,487.4	2,786.9	3,118.3	5,358.8
Cross River	1,627.2	1,815.7	2,023.4	3,407.1
Delta	2,394.4	2,678.2	2,991.6	5,097.4
Ebonyi	1,317.2	1,486.6	1,675.4	2,985.0
Edo	1,783.7	1,988.2	2,213.3	3,707.2
Ekiti	1,380.7	1,543.0	1,722.2	2,922.8
Enugu	1,859.3	2,076.3	2,315.6	3,914.5
Federal Capital Territory	1,614.0	1,887.8	2,205.0	4,697.4
Imo	2,284.2	2,554.5	2,853.0	4,857.2
Jigawa	2,454.0	2,738.5	3,052.0	5,140.8
Kaduna	3,486.9	3,895.3	4,345.7	7,359.2
Kano	5,541.4	6,203.7	6,935.8	11,871.1
Katsina	3,305.0	3,691.5	4,117.7	6,967.2
Kebbi	1,877.8	2,099.2	2,343.6	3,982.7
Kogi	1,887.1	2,107.7	2,350.9	3,976.4
Lagos	5,309.8	5,939.6	6,635.3	11,311.1
Niger	2,354.3	2,637.2	2,950.1	5,063.5
Ogun	2,207.5	2,470.8	2,761.8	4,721.5
Ondo	1,969.3	2,199.3	2,452.8	4,146.7
Osun	1,988.2	2,223.6	2,483.6	4,229.8
Oyo	3,314.2	3,711.0	4,149.8	7,110.0
Plateau	1,778.8	1,984.4	2,210.8	3,717.9
Rivers	3,093.8	3,465.3	3,876.3	6,651.6
Sokoto	2,104.4	2,349.7	2,620.1	4,425.9
Taraba	1,291.5	1,441.3	1,606.3	2,705.9
Yobe	1,397.8	1,566.9	1,754.2	3,022.5
Zamfara	1,912.2	2,139.3	2,390.2	4,077.3

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Note: Sales for 2018-2019 are forecasts and sales for 2020-2025 projections

Norway

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	53,134.3	0.20%		
2019	36,227.8	0.20%	2018-2019	-31.8%
2020	27,842.8	0.19%	2019-2020	-23.1%
2021	23,907.0	0.17%	2020-2021	-14.1%
2022	22,094.0	0.16%	2021-2022	-7.6%
2023	20,087.6	0.15%	2022-2023	-9.1%
2024	17,237.9	0.13%	2023-2024	-14.2%
2029	9,004.1	0.08%	CAGR 2024-2029	-9.6%

<u>Krones</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Krones 000s)</u>	<u>Year-to-Year Change</u>	
2018	467,581.8		
2019	318,804.4	2018-2019	-31.8%
2020	245,016.9	2019-2020	-23.1%
2021	210,381.2	2020-2021	-14.1%
2022	194,427.2	2021-2022	-7.6%
2023	176,770.5	2022-2023	-9.1%
2024	151,693.4	2023-2024	-14.2%
2029	79,236.2	CAGR 2024-2029	-9.6%

In 2023, sales for this industry in Norway is forecast to be \$20.1 million dollars.

Sales are forecast to change by -14.2 percent in the next year (2023 to 2024). In 2023, sales will be 176.8 million Krones and will change by -9.1 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Norway is forecast to be \$9.0 million dollars.

The compound annual growth rate is projected to change by -9.6 percent from 2024 to 2029. In 2029, sales will be 176.8 million Krones and will change by -9.1 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Norway

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Akershus	2,589.3	2,367.6	2,043.2	1,097.5
Aust-Agder	487.5	442.5	379.1	196.3
Buskerud	1,172.3	1,065.6	914.2	476.8
Finnmark (Finnmárku)	311.3	280.8	239.1	120.2
Hedmark	812.9	734.3	626.0	316.5
Hordaland	2,181.1	1,983.9	1,703.2	891.3
Møre og Romsdal	1,100.6	996.2	851.1	434.7
Nordland	999.1	901.2	767.2	384.9
Oppland	784.6	708.5	603.8	304.6
Oslo	2,828.2	2,585.5	2,230.8	1,197.1
Østfold	1,228.9	1,116.7	957.8	498.9
Rogaland	2,008.0	1,833.2	1,579.6	841.9
Sogn og Fjordane	454.5	410.3	349.5	175.9
Telemark	718.1	648.9	553.4	280.2
Troms (Romsa)	688.4	623.5	532.9	272.9
Trøndelag	1,900.8	1,726.0	1,479.2	767.5
Vest-Agder	781.6	711.3	610.9	320.4
Vestfold	1,046.8	951.7	816.7	426.5

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Pakistan

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	79,515.3	0.29%		
2019	49,042.0	0.27%	2018-2019	-38.3%
2020	40,502.0	0.27%	2019-2020	-17.4%
2021	36,476.6	0.26%	2020-2021	-9.9%
2022	34,363.9	0.25%	2021-2022	-5.8%
2023	31,780.7	0.24%	2022-2023	-7.5%
2024	29,353.7	0.23%	2023-2024	-7.6%
2029	19,348.1	0.18%	CAGR 2024-2029	-6.8%

<u>Rupees</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Rupees 000s)</u>	<u>Year-to-Year Change</u>	
2018	12,245,349.9		
2019	7,552,466.0	2018-2019	-38.3%
2020	6,237,315.6	2019-2020	-17.4%
2021	5,617,401.3	2020-2021	-9.9%
2022	5,292,042.7	2021-2022	-5.8%
2023	4,894,223.0	2022-2023	-7.5%
2024	4,520,468.2	2023-2024	-7.6%
2029	2,979,604.0	CAGR 2024-2029	-6.8%

In 2023, sales for this industry in Pakistan is forecast to be \$31.8 million dollars. Sales are forecast to change by -7.6 percent in the next year (2023 to 2024). In 2023, sales will be 4894.2 million Rupees and will change by -7.5 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Pakistan is forecast to be \$19.3 million dollars. The compound annual growth rate is projected to change by -6.8 percent from 2024 to 2029. In 2029, sales will be 4894.2 million Rupees and will change by -7.5 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Pakistan

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Balochistān	2,110.4	1,967.4	1,831.8	1,256.3
Tribal Areas	742.2	680.3	622.7	392.4
Islāmābād	346.1	327.1	308.8	227.0
Khyber Pakhtūnkhwā	5,012.1	4,646.9	4,302.7	2,870.9
Punjāb	18,148.1	16,749.2	15,438.0	10,068.2
Sindh	8,005.0	7,409.7	6,849.7	4,533.1

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Philippines

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	137,425.8	0.51%		
2019	98,731.7	0.54%	2018-2019	-28.2%
2020	75,437.4	0.51%	2019-2020	-23.6%
2021	74,723.1	0.53%	2020-2021	-0.9%
2022	73,749.5	0.53%	2021-2022	-1.3%
2023	71,455.5	0.53%	2022-2023	-3.1%
2024	69,143.6	0.54%	2023-2024	-3.2%
2029	57,518.7	0.54%	CAGR 2024-2029	-3.4%

<u>Pesos</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Pesos 000s)</u>	<u>Year-to-Year Change</u>	
2018	6,981,228.8		
2019	5,015,571.2	2018-2019	-28.2%
2020	3,832,219.7	2019-2020	-23.6%
2021	3,795,931.6	2020-2021	-0.9%
2022	3,746,473.9	2021-2022	-1.3%
2023	3,629,941.0	2022-2023	-3.1%
2024	3,512,494.7	2023-2024	-3.2%
2029	2,921,951.7	CAGR 2024-2029	-3.4%

In 2023, sales for this industry in Philippines is forecast to be \$71.5 million dollars. Sales are forecast to change by -3.2 percent in the next year (2023 to 2024). In 2023, sales will be 3629.9 million Pesos and will change by -3.1 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Philippines is forecast to be \$57.5 million dollars. The compound annual growth rate is projected to change by -3.4 percent from 2024 to 2029. In 2029, sales will be 3629.9 million Pesos and will change by -3.1 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Philippines

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Luzon	42,333.4	41,070.5	39,793.6	33,317.8
Mindanao	17,652.7	17,111.2	16,564.9	13,809.4
Visayas	13,763.4	13,273.8	12,785.0	10,391.5

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Poland

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	204,447.9	0.76%		
2019	140,292.9	0.77%	2018-2019	-31.4%
2020	112,907.6	0.76%	2019-2020	-19.5%
2021	104,072.8	0.73%	2020-2021	-7.8%
2022	100,084.3	0.72%	2021-2022	-3.8%
2023	94,485.9	0.70%	2022-2023	-5.6%
2024	89,085.6	0.69%	2023-2024	-5.7%
2029	65,085.9	0.61%	CAGR 2024-2029	-5.4%

<u>Zlotys</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Zlotys 000s)</u>	<u>Year-to-Year Change</u>	
2018	776,901.9		
2019	533,112.9	2018-2019	-31.4%
2020	429,049.1	2019-2020	-19.5%
2021	395,476.5	2020-2021	-7.8%
2022	380,320.2	2021-2022	-3.8%
2023	359,046.5	2022-2023	-5.6%
2024	338,525.4	2023-2024	-5.7%
2029	247,326.6	CAGR 2024-2029	-5.4%

In 2023, sales for this industry in Poland is forecast to be \$94.5 million dollars. Sales are forecast to change by -5.7 percent in the next year (2023 to 2024). In 2023, sales will be 359 million Zlotys and will change by -5.6 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Poland is forecast to be \$65.1 million dollars. The compound annual growth rate is projected to change by -5.4 percent from 2024 to 2029. In 2029, sales will be 359 million Zlotys and will change by -5.6 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Poland

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Dolnośląskie [Lower Silesia]	7,558.3	7,133.4	6,723.7	4,904.8
Kujawsko-Pomorskie	5,437.6	5,133.9	4,840.9	3,538.3
Łódzkie [Łódź]	6,459.1	6,084.0	5,723.3	4,134.2
Lubelskie [Lublin]	5,558.2	5,239.8	4,933.3	3,578.6
Lubuskie [Lubusz]	2,653.6	2,505.5	2,362.6	1,727.2
Małopolskie [Lesser Poland]	8,810.4	8,329.7	7,865.0	5,787.8
Mazowieckie [Mazovia]	13,959.9	13,199.5	12,464.4	9,176.9
Opolskie [Opole]	2,576.3	2,424.7	2,279.1	1,639.5
Podkarpackie [Subcarpathia]	5,545.6	5,237.4	4,940.0	3,616.0
Podlaskie [Podlachia]	3,091.2	2,915.5	2,746.2	1,996.8
Pomorskie [Pomerania]	6,041.5	5,716.1	5,401.2	3,989.5
Śląskie [Silesia]	11,846.0	11,162.6	10,505.1	7,603.9
Świętokrzyskie [Holy Cross]	3,263.7	3,076.1	2,895.6	2,098.5
Warmińsko-Mazurskie	3,751.6	3,542.0	3,339.7	2,440.7
Wielkopolskie [Greater Poland]	9,074.1	8,577.5	8,097.6	5,953.8
West Pomerania	4,457.2	4,208.1	3,967.8	2,899.3

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Puerto Rico

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	99,240.1	0.37%		
2019	70,158.0	0.38%	2018-2019	-29.3%
2020	58,760.3	0.39%	2019-2020	-16.2%
2021	55,098.8	0.39%	2020-2021	-6.2%
2022	54,038.0	0.39%	2021-2022	-1.9%
2023	52,027.0	0.39%	2022-2023	-3.7%
2024	50,026.3	0.39%	2023-2024	-3.8%
2029	40,319.9	0.38%	CAGR 2024-2029	-3.9%

<u>Dollars</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Dollars 000s)</u>	<u>Year-to-Year Change</u>	
2018	99,240.1		
2019	70,158.0	2018-2019	-29.3%
2020	58,760.3	2019-2020	-16.2%
2021	55,098.8	2020-2021	-6.2%
2022	54,038.0	2021-2022	-1.9%
2023	52,027.0	2022-2023	-3.7%
2024	50,026.3	2023-2024	-3.8%
2029	40,319.9	CAGR 2024-2029	-3.9%

In 2023, sales for this industry in Puerto Rico is forecast to be \$52.0 million dollars. Sales are forecast to change by -3.8 percent in the next year (2023 to 2024). In 2023, sales will be 52 million Dollars and will change by -3.7 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Puerto Rico is forecast to be \$40.3 million dollars. The compound annual growth rate is projected to change by -3.9 percent from 2024 to 2029. In 2029, sales will be 52 million Dollars and will change by -3.7 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Puerto Rico

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Culebra	28.9	28.0	27.1	22.5
Puerto Rico	53,870.1	51,864.9	49,869.9	40,192.0
Vieques	139.0	134.1	129.2	105.4

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Romania

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	93,782.0	0.35%		
2019	60,406.6	0.33%	2018-2019	-35.6%
2020	47,917.8	0.32%	2019-2020	-20.7%
2021	45,102.2	0.32%	2020-2021	-5.9%
2022	43,241.5	0.31%	2021-2022	-4.1%
2023	40,698.4	0.30%	2022-2023	-5.9%
2024	38,255.4	0.30%	2023-2024	-6.0%
2029	27,526.1	0.26%	CAGR 2024-2029	-5.6%

<u>New Leus</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(New Leus 000s)</u>	<u>Year-to-Year Change</u>	
2018	402,324.8		
2019	259,144.4	2018-2019	-35.6%
2020	205,567.5	2019-2020	-20.7%
2021	193,488.5	2020-2021	-5.9%
2022	185,506.2	2021-2022	-4.1%
2023	174,596.1	2022-2023	-5.9%
2024	164,115.6	2023-2024	-6.0%
2029	118,087.2	CAGR 2024-2029	-5.6%

In 2023, sales for this industry in Romania is forecast to be \$40.7 million dollars. Sales are forecast to change by -6 percent in the next year (2023 to 2024). In 2023, sales will be 174.6 million New Leus and will change by -5.9 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Romania is forecast to be \$27.5 million dollars. The compound annual growth rate is projected to change by -5.6 percent from 2024 to 2029. In 2029, sales will be 174.6 million New Leus and will change by -5.9 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Romania

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Alba	719.5	674.9	632.2	447.0
Arad	926.6	872.0	819.5	588.9
Argeş	1,306.7	1,229.9	1,156.0	831.4
Bacău	1,301.4	1,220.9	1,143.7	809.0
Bihor	1,246.8	1,174.7	1,105.4	799.2
Botoşani	866.7	814.6	764.8	546.5
Braşov	1,196.3	1,125.5	1,057.5	759.0
Bucureşti [Bucharest]	4,055.8	3,822.4	3,597.7	2,604.8
Buzău	939.7	882.5	827.6	588.4
Cluj	1,552.5	1,467.2	1,384.7	1,016.3
Constanţa	1,496.9	1,411.4	1,329.1	964.5
Dâmboviţa	1,112.2	1,048.0	986.2	713.3
Dolj	1,400.1	1,315.4	1,234.2	879.6
Galaţi	1,126.0	1,055.9	988.9	698.3
Gorj	712.8	668.7	626.5	443.4
Hunedoara	845.1	789.3	736.2	509.4
Iaşi	1,752.8	1,656.8	1,564.0	1,149.1
Ilfov	1,059.0	1,022.7	986.4	806.9
Maramureş	1,025.7	965.2	907.1	651.9
Mureş	1,193.1	1,124.0	1,057.5	764.1
Neamţ	983.7	921.4	861.9	605.0
Olt	891.7	835.5	781.8	549.7
Prahova	1,612.2	1,515.2	1,422.1	1,015.3
Sălaj	471.0	442.0	414.2	293.6
Satu Mare	734.0	690.0	647.8	463.2
Sibiu	873.0	822.3	773.5	558.5
Suceava	1,388.9	1,308.6	1,231.2	890.0
Teleorman	754.5	704.7	657.4	455.1
Timiş	1,554.3	1,471.6	1,391.5	1,030.9
Tulcea	435.3	406.8	379.7	263.7
Vâlcea	780.9	733.0	687.1	487.4
Vaslui	841.6	790.2	741.0	526.5
Vrancea	722.2	678.2	636.1	452.6

Note: Sales for 2022-2023 are forecasts and sales 1

Note: Sales for 2018-2019 are forecasts and sales for 2020-2025 projections

Russia

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	451,283.3	1.67%		
2019	310,202.6	1.70%	2018-2019	-31.3%
2020	236,094.7	1.58%	2019-2020	-23.9%
2021	224,058.3	1.58%	2020-2021	-5.1%
2022	215,713.4	1.55%	2021-2022	-3.7%
2023	203,875.7	1.52%	2022-2023	-5.5%
2024	192,439.1	1.49%	2023-2024	-5.6%
2029	141,386.8	1.33%	CAGR 2024-2029	-5.3%

<u>Rubles</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Rubles 000s)</u>	<u>Year-to-Year Change</u>	
2018	27,799,051.4		
2019	19,108,478.9	2018-2019	-31.3%
2020	14,543,434.5	2019-2020	-23.9%
2021	13,801,992.1	2020-2021	-5.1%
2022	13,287,943.1	2021-2022	-3.7%
2023	12,558,745.7	2022-2023	-5.5%
2024	11,854,248.6	2023-2024	-5.6%
2029	8,709,428.1	CAGR 2024-2029	-5.3%

In 2023, sales for this industry in Russia is forecast to be \$203.9 million dollars.

Sales are forecast to change by -5.6 percent in the next year (2023 to 2024). In 2023, sales will be 12558.7 million Rubles and will change by -5.5 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Russia is forecast to be \$141.4 million dollars.

The compound annual growth rate is projected to change by -5.3 percent from 2024 to 2029. In 2029, sales will be 12558.7 million Rubles and will change by -5.5 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Russia

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Central Russia	57,239.5	54,098.7	51,063.7	37,508.4
Dal'nevostočnyj Federal'nyj	9,185.1	8,636.0	8,109.1	5,803.4
[Southern Russia	21,367.2	20,235.2	19,138.3	14,199.3
Volga	44,351.8	41,830.3	39,400.7	28,639.2
Northern Caucasus	15,874.2	15,167.4	14,473.2	11,225.8
Northwestern Russia	19,935.2	18,783.2	17,674.8	12,783.9
Siberia	28,902.0	27,271.2	25,698.9	18,722.2
Ural'skij Federal'nyj Okrug [Ural]	18,858.3	17,853.7	16,880.5	12,504.6

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Saudi Arabia

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	209,016.7	0.78%		
2019	140,706.6	0.77%	2018-2019	-32.7%
2020	100,634.2	0.67%	2019-2020	-28.5%
2021	100,975.3	0.71%	2020-2021	0.3%
2022	97,823.0	0.70%	2021-2022	-3.1%
2023	93,033.5	0.69%	2022-2023	-4.9%
2024	88,364.3	0.68%	2023-2024	-5.0%
2029	66,979.4	0.63%	CAGR 2024-2029	-4.8%

<u>Rials</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Rials 000s)</u>	<u>Year-to-Year Change</u>	
2018	783,812.5		
2019	527,649.9	2018-2019	-32.7%
2020	377,378.4	2019-2020	-28.5%
2021	378,657.5	2020-2021	0.3%
2022	366,836.3	2021-2022	-3.1%
2023	348,875.5	2022-2023	-4.9%
2024	331,366.1	2023-2024	-5.0%
2029	251,172.7	CAGR 2024-2029	-4.8%

In 2023, sales for this industry in Saudi Arabia is forecast to be \$93.0 million dollars. Sales are forecast to change by -5 percent in the next year (2023 to 2024). In 2023, sales will be 348.9 million Rials and will change by -4.9 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Saudi Arabia is forecast to be \$67.0 million dollars. The compound annual growth rate is projected to change by -4.8 percent from 2024 to 2029. In 2029, sales will be 348.9 million Rials and will change by -4.9 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Saudi Arabia

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Al-Bāḥah	1,368.7	1,286.6	1,207.8	863.5
Northern Frontier	1,099.8	1,039.2	980.7	719.6
Al-Jawf (incl. Al-Qurayyāt)	1,580.0	1,503.5	1,428.7	1,085.6
Medina	6,462.3	6,149.6	5,844.4	4,442.3
Al-Qaṣīm [Al-Qaseem]	4,369.7	4,155.8	3,947.2	2,991.5
Ar-Riyāḍ [Riyadh]	25,160.3	24,029.9	22,920.3	17,741.1
Eastern Region	14,692.6	13,968.9	13,263.5	10,036.0
'Asīr [Aseer]	6,623.8	6,264.0	5,916.1	4,358.5
Ḥā'il	2,081.3	1,969.7	1,861.7	1,376.6
Jīzān	4,880.1	4,634.4	4,395.4	3,306.9
Mecca	24,814.2	23,569.7	22,358.4	16,838.0
Najrān	1,833.4	1,746.2	1,660.9	1,267.7
Tabūk [Tabouk]	2,856.6	2,716.1	2,579.1	1,952.1

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Singapore

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	160,599.2	0.60%		
2019	103,061.8	0.56%	2018-2019	-35.8%
2020	81,371.8	0.55%	2019-2020	-21.0%
2021	80,375.9	0.57%	2020-2021	-1.2%
2022	79,235.4	0.57%	2021-2022	-1.4%
2023	76,680.6	0.57%	2022-2023	-3.2%
2024	74,112.3	0.57%	2023-2024	-3.3%
2029	61,290.6	0.58%	CAGR 2024-2029	-3.5%

<u>Dollars</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Dollars 000s)</u>	<u>Year-to-Year Change</u>	
2018	215,203.0		
2019	138,102.8	2018-2019	-35.8%
2020	109,038.2	2019-2020	-21.0%
2021	107,703.7	2020-2021	-1.2%
2022	106,175.4	2021-2022	-1.4%
2023	102,751.9	2022-2023	-3.2%
2024	99,310.5	2023-2024	-3.3%
2029	82,129.4	CAGR 2024-2029	-3.5%

In 2023, sales for this industry in Singapore is forecast to be \$76.7 million dollars. Sales are forecast to change by -3.3 percent in the next year (2023 to 2024). In 2023, sales will be 102.8 million Dollars and will change by -3.2 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Singapore is forecast to be \$61.3 million dollars. The compound annual growth rate is projected to change by -3.5 percent from 2024 to 2029. In 2029, sales will be 102.8 million Dollars and will change by -3.2 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Singapore

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Central Region	12,248.6	11,608.1	10,983.7	8,131.8
East Region	9,116.0	8,645.8	8,186.9	6,084.2
North-East Region	12,451.3	12,083.8	11,708.5	9,761.5
North Region	7,658.9	7,382.3	7,104.3	5,724.0
West Region	12,481.0	11,942.1	11,408.2	8,860.0
Non-Resident Population	25,279.6	25,018.5	24,720.7	22,729.1

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

South Africa

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	89,817.4	0.33%		
2019	58,582.3	0.32%	2018-2019	-34.8%
2020	46,520.7	0.31%	2019-2020	-20.6%
2021	41,505.6	0.29%	2020-2021	-10.8%
2022	38,754.5	0.28%	2021-2022	-6.6%
2023	35,523.0	0.26%	2022-2023	-8.3%
2024	32,518.9	0.25%	2023-2024	-8.5%
2029	20,499.6	0.19%	CAGR 2024-2029	-7.4%

<u>Rands</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Rands 000s)</u>	<u>Year-to-Year Change</u>	
2018	1,293,370.9		
2019	843,585.7	2018-2019	-34.8%
2020	669,898.1	2019-2020	-20.6%
2021	597,681.3	2020-2021	-10.8%
2022	558,064.5	2021-2022	-6.6%
2023	511,530.6	2022-2023	-8.3%
2024	468,272.0	2023-2024	-8.5%
2029	295,194.0	CAGR 2024-2029	-7.4%

In 2023, sales for this industry in South Africa is forecast to be \$35.5 million dollars. Sales are forecast to change by -8.5 percent in the next year (2023 to 2024). In 2023, sales will be 511.5 million Rands and will change by -8.3 percent in the next year (2023 to 2024).

In 2029, sales for this industry in South Africa is forecast to be \$20.5 million dollars. The compound annual growth rate is projected to change by -7.4 percent from 2024 to 2029. In 2029, sales will be 511.5 million Rands and will change by -8.3 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

South Africa

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Eastern Cape	4,289.4	3,877.7	3,500.7	2,055.9
Free State (Oranje Free State)	1,898.5	1,719.2	1,554.7	920.8
Gauteng	10,165.4	9,425.2	8,726.8	5,816.6
KwaZulu-Natal	7,508.8	6,848.5	6,237.8	3,829.7
Limpopo (Northern Transvaal)	3,839.1	3,495.9	3,179.0	1,936.0
Mpumalanga (Eastern Transvaal)	3,032.3	2,780.3	2,545.8	1,604.7
Northern Cape	804.4	732.2	665.5	404.5
North West	2,656.7	2,435.7	2,230.1	1,405.2
Western Cape	4,559.8	4,208.3	3,878.5	2,526.1

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Spain

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	330,858.2	1.23%		
2019	215,847.4	1.18%	2018-2019	-34.8%
2020	166,877.4	1.12%	2019-2020	-22.7%
2021	145,123.3	1.02%	2020-2021	-13.0%
2022	132,920.5	0.96%	2021-2022	-8.4%
2023	119,514.2	0.89%	2022-2023	-10.1%
2024	107,321.4	0.83%	2023-2024	-10.2%
2029	61,446.4	0.58%	CAGR 2024-2029	-8.5%

<u>Euros</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Euros 000s)</u>	<u>Year-to-Year Change</u>	
2018	294,463.8		
2019	192,104.2	2018-2019	-34.8%
2020	148,520.9	2019-2020	-22.7%
2021	129,159.7	2020-2021	-13.0%
2022	118,299.2	2021-2022	-8.4%
2023	106,367.6	2022-2023	-10.1%
2024	95,516.0	2023-2024	-10.2%
2029	54,687.3	CAGR 2024-2029	-8.5%

In 2023, sales for this industry in Spain is forecast to be \$119.5 million dollars.

Sales are forecast to change by -10.2 percent in the next year (2023 to 2024). In 2023, sales will be 106.4 million Euros and will change by -10.1 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Spain is forecast to be \$61.4 million dollars.

The compound annual growth rate is projected to change by -8.5 percent from 2024 to 2029. In 2029, sales will be 106.4 million Euros and will change by -10.1 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Spain

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Andalucía [Andalusia]	23,814.2	21,406.2	19,216.5	10,981.9
Aragón	3,695.1	3,310.6	2,962.3	1,665.5
Asturias	2,844.0	2,532.0	2,251.2	1,226.2
Canarias [Canary Islands]	6,185.4	5,595.4	5,055.0	2,982.0
Cantabria	1,634.0	1,463.8	1,309.6	735.8
Castilla-La Mancha	5,873.6	5,285.2	4,749.6	2,728.7
Castilla y León	6,691.0	5,959.7	5,301.5	2,894.5
Cataluña [Catalonia]	21,596.2	19,444.9	17,485.0	10,076.2
Ceuta	241.4	217.3	195.4	112.6
Comunitat Valenciana	14,332.6	12,919.1	11,629.8	6,739.0
Extremadura	2,987.3	2,666.8	2,377.6	1,312.8
Galicia	7,480.0	6,671.6	5,942.8	3,266.8
Illes Balears [Balearic Islands]	3,347.7	3,041.8	2,760.2	1,664.7
La Rioja	902.3	811.1	728.1	416.1
Madrid	18,833.4	16,990.1	15,307.2	8,906.9
Melilla	250.2	226.8	205.4	122.5
Murcia	4,317.5	3,904.5	3,526.5	2,077.4
Navarra [Navarre]	1,841.7	1,657.5	1,489.7	856.3
País Vasco [Basque Country]	6,053.2	5,409.7	4,828.3	2,680.5

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Sweden

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	150,170.6	0.56%		
2019	96,730.6	0.53%	2018-2019	-35.6%
2020	77,547.1	0.52%	2019-2020	-19.8%
2021	68,047.4	0.48%	2020-2021	-12.3%
2022	63,036.4	0.45%	2021-2022	-7.4%
2023	57,325.0	0.43%	2022-2023	-9.1%
2024	52,063.8	0.40%	2023-2024	-9.2%
2029	31,548.0	0.30%	CAGR 2024-2029	-7.9%

<u>Kronas</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Kronas 000s)</u>	<u>Year-to-Year Change</u>	
2018	1,425,118.7		
2019	917,973.7	2018-2019	-35.6%
2020	735,922.0	2019-2020	-19.8%
2021	645,769.9	2020-2021	-12.3%
2022	598,215.8	2021-2022	-7.4%
2023	544,014.4	2022-2023	-9.1%
2024	494,085.6	2023-2024	-9.2%
2029	299,390.5	CAGR 2024-2029	-7.9%

In 2023, sales for this industry in Sweden is forecast to be \$57.3 million dollars.

Sales are forecast to change by -9.2 percent in the next year (2023 to 2024). In 2023, sales will be 544 million Kronas and will change by -9.1 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Sweden is forecast to be \$31.5 million dollars.

The compound annual growth rate is projected to change by -7.9 percent from 2024 to 2029. In 2029, sales will be 544 million Kronas and will change by -9.1 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Sweden

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Blekinge län	981.9	889.1	804.0	476.6
Dalarnas län	1,739.7	1,571.3	1,417.4	829.8
Gävleborgs län	1,735.9	1,567.7	1,413.9	827.1
Gotlands län	361.7	327.1	295.5	174.1
Hallands län	2,050.9	1,869.9	1,702.6	1,044.7
Jämtlands län	786.1	709.1	638.8	371.5
Jönköpings län	2,233.3	2,028.5	1,840.1	1,107.9
Kalmar län	1,481.7	1,339.1	1,208.7	709.8
Kronobergs län	1,209.8	1,097.4	994.1	594.4
Norrbottnens län	1,532.8	1,382.4	1,245.1	723.5
Örebro län	1,833.9	1,662.5	1,505.2	897.5
Östergötlands län	2,832.5	2,571.4	2,331.2	1,399.7
Skåne län	8,462.8	7,713.4	7,021.1	4,300.9
Södermanlands län	1,793.3	1,628.3	1,476.6	887.6
Stockholms län	14,653.3	13,407.8	12,252.0	7,652.6
Uppsala län	2,328.9	2,125.1	1,936.6	1,193.0
Värmlands län	1,711.4	1,545.8	1,394.4	816.4
Västerbottens län	1,662.1	1,505.3	1,361.5	807.8
Västernorrlands län	1,491.1	1,344.4	1,210.6	702.5
Västmanlands län	1,660.4	1,505.9	1,364.0	815.1
Västra Götalands län	10,493.1	9,533.6	8,650.5	5,215.6

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Switzerland

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	266,210.9	0.99%		
2019	188,711.5	1.03%	2018-2019	-29.1%
2020	161,148.1	1.08%	2019-2020	-14.6%
2021	156,216.7	1.10%	2020-2021	-3.1%
2022	157,352.8	1.13%	2021-2022	0.7%
2023	155,594.4	1.16%	2022-2023	-1.1%
2024	153,657.2	1.19%	2023-2024	-1.2%
2029	141,522.0	1.33%	CAGR 2024-2029	-1.6%

<u>Swiss Francs</u>	<u>Market Sales</u>		
<u>Year</u>	<u>Swiss Francs 000s)</u>	<u>Year-to-Year Change</u>	
2018	255,562.5		
2019	181,163.0	2018-2019	-29.1%
2020	154,702.2	2019-2020	-14.6%
2021	149,968.0	2020-2021	-3.1%
2022	151,058.7	2021-2022	0.7%
2023	149,370.7	2022-2023	-1.1%
2024	147,510.9	2023-2024	-1.2%
2029	135,861.2	CAGR 2024-2029	-1.6%

In 2023, sales for this industry in Switzerland is forecast to be \$155.6 million dollars. Sales are forecast to change by -1.2 percent in the next year (2023 to 2024). In 2023, sales will be 149.4 million Swiss Francs and will change by -1.1 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Switzerland is forecast to be \$141.5 million dollars. The compound annual growth rate is projected to change by -1.6 percent from 2024 to 2029. In 2029, sales will be 149.4 million Swiss Francs and will change by -1.1 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Switzerland

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Aargau [Argovia]	12,518.9	12,409.2	12,284.3	11,449.8
Appenzell Outer Rhodes	1,004.5	987.1	968.7	864.4
Appenzell Inner Rhodes	301.4	297.4	293.1	267.0
Basel-Landschaft	5,315.4	5,242.5	5,163.9	4,694.3
Basel-Stadt [Basel-City]	3,434.9	3,365.4	3,293.0	2,895.8
Bern	18,786.2	18,487.2	18,169.2	16,333.0
Fribourg	5,948.5	5,919.7	5,883.4	5,593.3
Genève [Geneva]	9,287.8	9,202.1	9,105.3	8,467.2
Glarus	729.8	717.1	703.6	627.6
Graubünden [Grisons]	3,694.6	3,641.3	3,584.1	3,246.5
Jura	1,344.2	1,323.5	1,301.3	1,172.8
Luzern	7,559.8	7,476.1	7,383.7	6,802.4
Neuchâtel	3,266.8	3,214.3	3,158.4	2,836.7
Nidwalden [Nidwald]	819.8	812.2	803.6	747.0
Obwalden [Obwald]	713.0	706.2	698.6	648.7
Schaffhausen	1,483.0	1,461.1	1,437.7	1,300.0
Schwyz	3,020.2	3,000.8	2,977.7	2,808.5
Solothurn	5,006.7	4,939.4	4,866.8	4,430.6
St. Gallen	9,366.6	9,244.7	9,112.6	8,313.6
Thurgau [Thurgovia]	5,093.2	5,045.1	4,991.0	4,636.1
Ticino	6,641.5	6,570.3	6,491.4	5,991.2
Uri	665.8	654.5	642.6	574.9
Valais	6,433.9	6,386.6	6,331.4	5,943.8
Vaud	14,679.8	14,548.3	14,399.3	13,408.4
Zug	2,394.3	2,381.9	2,366.5	2,246.0
Zürich [Zurich]	27,842.2	27,560.4	27,246.0	25,222.6

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Thailand

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	280,963.4	1.04%		
2019	197,373.8	1.08%	2018-2019	-29.8%
2020	150,415.9	1.01%	2019-2020	-23.8%
2021	150,279.0	1.06%	2020-2021	-0.1%
2022	148,692.9	1.07%	2021-2022	-1.1%
2023	144,429.2	1.08%	2022-2023	-2.9%
2024	140,106.7	1.09%	2023-2024	-3.0%
2029	118,019.9	1.11%	CAGR 2024-2029	-3.2%

<u>Bahts</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Bahts 000s)</u>	<u>Year-to-Year Change</u>	
2018	8,513,192.0		
2019	5,980,427.4	2018-2019	-29.8%
2020	4,557,602.7	2019-2020	-23.8%
2021	4,553,453.4	2020-2021	-0.1%
2022	4,505,396.4	2021-2022	-1.1%
2023	4,376,204.7	2022-2023	-2.9%
2024	4,245,232.8	2023-2024	-3.0%
2029	3,576,001.6	CAGR 2024-2029	-3.2%

In 2023, sales for this industry in Thailand is forecast to be \$144.4 million dollars. Sales are forecast to change by -3 percent in the next year (2023 to 2024). In 2023, sales will be 4376.2 million Bahts and will change by -2.9 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Thailand is forecast to be \$118.0 million dollars. The compound annual growth rate is projected to change by -3.2 percent from 2024 to 2029. In 2029, sales will be 4376.2 million Bahts and will change by -2.9 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Thailand

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Bangkok Metropolitan	36,813.6	36,290.0	35,723.9	32,328.0
Central	6,742.7	6,517.2	6,290.5	5,159.0
Eastern	12,840.7	12,597.9	12,342.3	10,906.0
Northeastern (Isan)	39,483.6	37,916.3	36,360.3	28,866.9
Northern	24,659.8	23,786.9	22,912.8	18,601.4
Southern	20,393.5	19,823.8	19,243.1	16,235.9
Western	7,759.0	7,497.0	7,233.8	5,922.6

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Turkey

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	304,800.5	1.13%		
2019	196,940.7	1.08%	2018-2019	-35.4%
2020	162,627.3	1.09%	2019-2020	-17.4%
2021	142,690.6	1.01%	2020-2021	-12.3%
2022	134,942.8	0.97%	2021-2022	-5.4%
2023	125,547.0	0.94%	2022-2023	-7.0%
2024	110,247.2	0.85%	2023-2024	-12.2%
2029	64,616.7	0.61%	CAGR 2024-2029	-8.3%

<u>Liras</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Liras 000s)</u>	<u>Year-to-Year Change</u>	
2018	1,767,843.0		
2019	1,142,256.3	2018-2019	-35.4%
2020	943,238.3	2019-2020	-17.4%
2021	827,605.4	2020-2021	-12.3%
2022	782,668.1	2021-2022	-5.4%
2023	728,172.9	2022-2023	-7.0%
2024	639,433.7	2023-2024	-12.2%
2029	374,777.0	CAGR 2024-2029	-8.3%

In 2023, sales for this industry in Turkey is forecast to be \$125.5 million dollars.

Sales are forecast to change by -12.2 percent in the next year (2023 to 2024). In 2023, sales will be 728.2 million Liras and will change by -7 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Turkey is forecast to be \$64.6 million dollars.

The compound annual growth rate is projected to change by -8.3 percent from 2024 to 2029. In 2029, sales will be 728.2 million Liras and will change by -7 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Turkey

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Adana	3,708.9	3,444.4	3,018.8	1,749.1
Ankara	9,155.1	8,552.6	7,540.1	4,499.5
Antalya	4,136.9	3,891.2	3,454.2	2,133.1
Aydın	1,751.8	1,620.5	1,414.7	803.8
Balıkesir	1,959.0	1,809.4	1,577.1	889.1
Bursa	5,066.2	4,748.3	4,200.0	2,547.8
Denizli	1,658.2	1,536.6	1,343.7	770.0
Diyarbakır	2,852.6	2,656.2	2,334.1	1,370.4
Erzurum	1,204.5	1,097.9	944.4	498.4
Eskişehir	1,380.8	1,278.9	1,117.8	639.0
Gaziantep	3,434.9	3,230.0	2,866.4	1,767.7
Hatay	2,600.7	2,415.3	2,116.8	1,226.5
İstanbul	26,703.0	25,158.3	22,369.2	13,927.6
İzmir	7,237.4	6,746.4	5,934.9	3,503.3
Kahramanmaraş	1,818.5	1,680.1	1,464.9	827.0
Kayseri	2,253.1	2,094.2	1,837.0	1,068.8
Kocaeli	3,215.6	3,025.9	2,687.1	1,662.8
Konya	3,539.6	3,264.4	2,841.3	1,590.1
Malatya	1,261.1	1,158.3	1,004.0	550.4
Manisa	2,276.7	2,101.7	1,831.0	1,029.5
Mardin	1,356.6	1,259.6	1,103.8	638.9
Mersin (İçel)	2,983.4	2,765.8	2,419.8	1,389.7
Muğla	1,578.0	1,473.2	1,297.9	771.9
Sakarya	1,604.3	1,490.6	1,307.1	759.2
Samsun	2,082.0	1,916.3	1,664.6	922.4
Şanlıurfa	3,417.0	3,208.3	2,842.8	1,739.6
Tekirdağ	1,706.5	1,608.1	1,430.1	891.3
Trabzon	1,240.4	1,133.2	977.0	521.4
Van	1,953.2	1,827.1	1,612.9	968.9

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Note: Sales for 2018-2019 are forecasts and sales for 2020-2025 projections

United Arab Emirates

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	76,500.6	0.28%		
2019	51,969.4	0.28%	2018-2019	-32.1%
2020	41,040.4	0.28%	2019-2020	-21.0%
2021	37,942.9	0.27%	2020-2021	-7.5%
2022	36,264.4	0.26%	2021-2022	-4.4%
2023	34,025.4	0.25%	2022-2023	-6.2%
2024	31,883.5	0.25%	2023-2024	-6.3%
2029	22,586.7	0.21%	CAGR 2024-2029	-5.8%

<u>Dirhams</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Dirhams 000s)</u>	<u>Year-to-Year Change</u>	
2018	280,757.2		
2019	190,727.9	2018-2019	-32.1%
2020	150,618.1	2019-2020	-21.0%
2021	139,250.3	2020-2021	-7.5%
2022	133,090.3	2021-2022	-4.4%
2023	124,873.2	2022-2023	-6.2%
2024	117,012.3	2023-2024	-6.3%
2029	82,893.2	CAGR 2024-2029	-5.8%

In 2023, sales for this industry in United Arab Emirates is forecast to be \$34.0 million dollars. Sales are forecast to change by -6.3 percent in the next year (2023 to 2024). In 2023, sales will be 124.9 million Dirhams and will change by -6.2 percent in the next year (2023 to 2024).

In 2029, sales for this industry in United Arab Emirates is forecast to be \$22.6 million dollars. The compound annual growth rate is projected to change by -5.8 percent from 2024 to 2029. In 2029, sales will be 124.9 million Dirhams and will change by -6.2 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

United Arab Emirates

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Abū Ḥaby [Abu Dhabi]	11,250.6	10,459.5	9,710.9	6,563.5
'Ajmān	1,907.9	1,799.3	1,694.5	1,230.1
Al-Fujayrah [Fujairah]	1,020.0	952.4	888.1	613.4
Ash-Shāriqah [Sharjah]	7,258.8	6,843.6	6,443.5	4,671.1
Dubayy [Dubai]	12,715.6	12,010.9	11,330.0	8,291.2
Rā's al-Khaymah	1,730.5	1,606.1	1,488.5	997.4
Umm al-Qaywayn	381.1	353.8	328.0	220.1

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

United Kingdom

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	524,607.1	1.95%		
2019	347,744.3	1.90%	2018-2019	-33.7%
2020	283,181.0	1.90%	2019-2020	-18.6%
2021	257,119.6	1.81%	2020-2021	-9.2%
2022	244,909.2	1.76%	2021-2022	-4.7%
2023	229,006.3	1.71%	2022-2023	-6.5%
2024	213,859.8	1.66%	2023-2024	-6.6%
2029	148,941.1	1.40%	CAGR 2024-2029	-6.1%

<u>Pounds</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Pounds 000s)</u>	<u>Year-to-Year Change</u>	
2018	398,701.4		
2019	264,285.6	2018-2019	-33.7%
2020	215,217.5	2019-2020	-18.6%
2021	195,410.9	2020-2021	-9.2%
2022	186,131.0	2021-2022	-4.7%
2023	174,044.8	2022-2023	-6.5%
2024	162,533.5	2023-2024	-6.6%
2029	113,195.2	CAGR 2024-2029	-6.1%

In 2023, sales for this industry in United Kingdom is forecast to be \$229.0 million dollars. Sales are forecast to change by -6.6 percent in the next year (2023 to 2024). In 2023, sales will be 174 million Pounds and will change by -6.5 percent in the next year (2023 to 2024).

In 2029, sales for this industry in United Kingdom is forecast to be \$148.9 million dollars. The compound annual growth rate is projected to change by -6.1 percent from 2024 to 2029. In 2029, sales will be 174 million Pounds and will change by -6.5 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

United Kingdom

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
England	206,343.1	193,017.7	180,319.6	125,818.1
Northern Ireland	7,023.6	6,571.5	6,140.6	4,289.6
Scotland	19,965.0	18,615.0	17,333.9	11,899.5
Wales (Cymru)	11,577.5	10,802.1	10,065.7	6,934.0

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

United States

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	4,750,356.7	17.62%		
2019	3,313,750.0	18.14%	2018-2019	-30.2%
2020	2,760,520.6	18.51%	2019-2020	-16.7%
2021	2,686,040.2	18.93%	2020-2021	-2.7%
2022	2,686,832.3	19.31%	2021-2022	0.0%
2023	2,638,403.1	19.67%	2022-2023	-1.8%
2024	2,587,503.8	20.05%	2023-2024	-1.9%
2029	2,301,743.8	21.71%	CAGR 2024-2029	-2.2%

<u>Dollars</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Dollars 000s)</u>	<u>Year-to-Year Change</u>	
2018	4,750,356.7		
2019	3,313,750.0	2018-2019	-30.2%
2020	2,760,520.6	2019-2020	-16.7%
2021	2,686,040.2	2020-2021	-2.7%
2022	2,686,832.3	2021-2022	0.0%
2023	2,638,403.1	2022-2023	-1.8%
2024	2,587,503.8	2023-2024	-1.9%
2029	2,301,743.8	CAGR 2024-2029	-2.2%

In 2023, sales for this industry in United States is forecast to be \$2,638.4 million dollars. Sales are forecast to change by -1.9 percent in the next year (2023 to 2024). In 2023, sales will be 2638.4 million Dollars and will change by -1.8 percent in the next year (2023 to 2024).

In 2029, sales for this industry in United States is forecast to be \$2,301.7 million dollars. The compound annual growth rate is projected to change by -2.2 percent from 2024 to 2029. In 2029, sales will be 2638.4 million Dollars and will change by -1.8 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

United States

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Alabama	39,935.5	39,073.4	38,178.9	33,321.4
Arizona	62,210.3	61,912.6	61,534.2	58,477.7
Arkansas	24,850.8	24,365.0	23,856.9	21,039.7
California	325,065.4	319,127.3	312,879.7	277,736.5
Colorado	47,914.1	47,460.2	46,947.9	43,575.0
Connecticut	28,872.0	28,147.1	27,403.7	23,489.6
Florida	176,637.2	174,685.9	172,525.7	158,862.7
Georgia	89,331.5	88,339.0	87,241.0	80,306.4
Illinois	104,279.6	101,736.3	99,122.7	85,279.8
Indiana	54,356.3	53,171.1	51,942.3	45,283.4
Iowa	25,204.6	24,598.4	23,974.7	20,662.2
Kentucky	36,382.2	35,597.8	34,783.9	30,362.5
Louisiana	37,385.4	36,451.1	35,492.7	30,442.0
Maryland	49,448.0	48,462.2	47,432.6	41,748.3
Massachusetts	54,669.2	53,358.2	52,009.1	44,839.3
Michigan	79,944.6	77,844.4	75,698.4	64,501.3
Minnesota	45,622.9	44,718.5	43,773.6	38,550.0
Mississippi	24,424.2	23,858.6	23,275.0	20,151.2
Missouri	49,936.3	48,839.8	47,703.7	41,555.5
Nevada	28,305.9	28,449.1	28,554.8	28,505.3
New Jersey	73,044.6	71,360.7	69,622.6	60,310.8
New York	158,815.8	154,830.2	150,743.1	129,221.8
North Carolina	86,990.2	85,912.7	84,735.3	77,497.6
Ohio	93,318.3	90,894.8	88,416.2	75,454.0
Oklahoma	32,012.4	31,359.6	30,679.2	26,939.9
Oregon	34,565.9	34,046.1	33,489.4	30,220.0
Pennsylvania	102,556.6	99,921.4	97,224.1	83,088.1
South Carolina	41,570.3	40,940.7	40,266.9	36,316.1
Tennessee	55,809.7	54,865.9	53,866.0	48,146.7
Texas	238,456.6	236,092.6	233,440.2	216,187.4
Utah	26,704.5	26,517.2	26,296.0	24,711.0
Virginia	70,170.6	68,979.2	67,717.6	60,507.1
Washington	61,827.5	60,995.2	60,093.8	54,662.4
Wisconsin	47,308.5	46,252.2	45,159.2	39,264.8

Note: Sales for 2022-2023 are forecasts and sales 1

Note: Sales for 2018-2019 are forecasts and sales for 2020-2025 projections

Venezuela

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	81,448.8	0.30%		
2019	52,774.8	0.29%	2018-2019	-35.2%
2020	41,842.7	0.28%	2019-2020	-20.7%
2021	37,241.3	0.26%	2020-2021	-11.0%
2022	34,537.9	0.25%	2021-2022	-7.3%
2023	31,444.2	0.23%	2022-2023	-9.0%
2024	28,590.6	0.22%	2023-2024	-9.1%
2029	17,422.8	0.16%	CAGR 2024-2029	-7.8%

<u>Bolivars</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Bolivars 000s)</u>	<u>Year-to-Year Change</u>	
2018	812,858.8		
2019	526,692.0	2018-2019	-35.2%
2020	417,590.0	2019-2020	-20.7%
2021	371,667.8	2020-2021	-11.0%
2022	344,688.4	2021-2022	-7.3%
2023	313,813.1	2022-2023	-9.0%
2024	285,334.7	2023-2024	-9.1%
2029	173,879.8	CAGR 2024-2029	-7.8%

In 2023, sales for this industry in Venezuela is forecast to be \$31.4 million dollars. Sales are forecast to change by -9.1 percent in the next year (2023 to 2024). In 2023, sales will be 313.8 million Bolivars and will change by -9 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Venezuela is forecast to be \$17.4 million dollars. The compound annual growth rate is projected to change by -7.8 percent from 2024 to 2029. In 2029, sales will be 313.8 million Bolivars and will change by -9 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Venezuela

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
Amazonas	219.0	204.9	191.4	133.4
Anzoátegui	1,931.0	1,765.4	1,611.9	1,002.4
Apure	638.1	584.1	533.9	333.8
Aragua	2,021.3	1,834.9	1,663.5	998.6
Barinas	1,071.0	982.9	900.9	571.0
Bolívar	1,945.6	1,777.9	1,622.6	1,006.7
Carabobo	2,791.7	2,539.3	2,306.6	1,398.1
Cojedes	412.5	377.4	344.7	214.9
Delta Amacuro	222.7	205.4	189.2	122.9
Dependencias Federales	2.7	2.5	2.3	1.4
Distrito Capital	2,145.2	1,922.5	1,720.6	968.3
Falcón	1,145.2	1,042.2	947.2	575.6
Guárico	980.9	894.3	814.3	499.5
Lara	2,214.5	2,012.3	1,826.1	1,101.5
Mérida	1,078.3	981.3	891.8	541.8
Miranda	3,450.1	3,136.8	2,848.1	1,722.7
Monagas	1,177.8	1,080.1	989.3	624.8
Nueva Esparta	666.6	612.2	561.5	357.2
Portuguesa	1,118.5	1,018.6	926.4	565.1
Sucre	1,114.5	1,009.7	913.6	543.0
Táchira	1,391.4	1,261.6	1,142.4	681.6
Trujillo	888.8	807.5	732.7	441.6
Vargas	398.7	359.6	323.8	188.1
Yaracuy	783.5	714.6	650.9	400.0
Zulia	4,728.1	4,316.2	3,934.9	2,428.8

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Vietnam

Industry - B05 - Mining of coal and lignite

Industry Sales (Turnover) by Country

<u>US Dollars</u>	<u>Market Sales</u>	<u>Pct. of Global</u>		
<u>Year</u>	<u>(USD 000s)</u>	<u>Industry</u>	<u>Year-to-Year Change</u>	
2018	81,379.2	0.30%		
2019	61,089.1	0.33%	2018-2019	-24.9%
2020	66,813.5	0.45%	2019-2020	9.4%
2021	64,850.6	0.46%	2020-2021	-2.9%
2022	67,939.7	0.49%	2021-2022	4.8%
2023	69,119.8	0.52%	2022-2023	1.7%
2024	70,660.8	0.55%	2023-2024	2.2%
2029	80,848.7	0.76%	CAGR 2024-2029	2.9%

<u>Dongs</u>	<u>Market Sales</u>		
<u>Year</u>	<u>(Dongs Mill.)</u>	<u>Year-to-Year Change</u>	
2018	1,889,786.8		
2019	1,418,611.1	2018-2019	-24.9%
2020	1,551,542.0	2019-2020	9.4%
2021	1,505,960.7	2020-2021	-2.9%
2022	1,577,696.6	2021-2022	4.8%
2023	1,605,100.8	2022-2023	1.7%
2024	1,640,884.0	2023-2024	2.2%
2029	1,877,467.4	CAGR 2024-2029	2.9%

In 2023, sales for this industry in Vietnam is forecast to be \$69.1 million dollars. Sales are forecast to change by 2.2 percent in the next year (2023 to 2024). In 2023, sales will be 1605.1 million Dongs and will change by 1.7 percent in the next year (2023 to 2024).

In 2029, sales for this industry in Vietnam is forecast to be \$80.8 million dollars. The compound annual growth rate is projected to change by 2.9 percent from 2024 to 2029. In 2029, sales will be 1605.1 million Dongs and will change by 1.7 percent from 2024 to 2029.

Source: Perry/Hope Partners

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Vietnam

Industry - B05 - Mining of coal and lignite

Industry Sales by Regional Provinces (USD 000s)

	2022	2023	2024	2029
An Giang	1,570.3	1,587.4	1,612.4	1,784.5
Bắc Giang	1,195.0	1,210.1	1,231.2	1,374.4
Bến Tre	904.9	911.6	922.7	1,003.7
Bình Định	1,098.6	1,109.8	1,126.5	1,242.6
Bình Dương	1,598.1	1,679.9	1,774.3	2,387.4
Cần Thơ	915.9	928.6	946.0	1,062.4
Đắk Lắk	1,400.5	1,430.0	1,467.0	1,706.8
Đồng Nai	2,177.0	2,230.0	2,295.3	2,714.3
Đồng Tháp	1,230.0	1,244.4	1,265.0	1,405.6
Gia Lai	1,065.2	1,091.2	1,123.1	1,328.0
Hải Dương	1,287.6	1,302.6	1,324.0	1,470.5
Hải Phòng	1,438.5	1,460.4	1,489.8	1,684.6
Hà Nội (incl. Hà Tây) [Hanoi]	5,436.5	5,564.7	5,723.0	6,740.8
Hà Tĩnh	902.7	910.1	922.0	1,007.1
Kiên Giang	1,305.4	1,325.8	1,353.0	1,532.9
Lâm Đồng	949.6	967.5	990.6	1,140.5
Long An	1,089.4	1,104.7	1,125.5	1,264.8
Nam Định	1,322.4	1,332.4	1,348.9	1,468.4
Nghệ An	2,225.8	2,251.7	2,288.8	2,542.2
Phú Thọ	999.0	1,011.2	1,028.4	1,145.4
Quảng Nam	1,071.7	1,084.1	1,101.9	1,223.8
Quảng Ngãi	905.6	915.2	929.4	1,027.4
Sóc Trăng	963.0	975.9	993.6	1,113.0
Thái Bình	1,289.1	1,300.3	1,317.8	1,442.3
Thái Nguyên	893.4	906.9	925.0	1,045.3
Thanh Hóa	2,519.0	2,541.8	2,577.0	2,825.7
Ho Chi Minh City	6,289.3	6,472.5	6,692.7	8,099.0
Tiền Giang	1,259.3	1,274.2	1,295.4	1,440.3

Note: Sales for 2022-2023 are forecasts and sales for 2024-2029 projections

Note: Sales for 2018-2019 are forecasts and sales for 2020-2025 projections

Appendix

Industry - B05 - Mining of coal and lignite

Overview

PRODCOM statistics aim at providing a full picture at EU level of developments in industrial production for a given product or for an industry in a comparable manner across countries. This aim became more important together with the establishment of the single market in 1992, and with rapid changes occurring in Europe the statistical system had to adapt to these changes.

The acronym PRODCOM comes from the French “PRODUCTION COMMUNAUTAIRE” (Community Production). The PRODCOM list is updated each year by the PRODCOM Expert Group. The headings of the PRODCOM list are linked to those from the Combined Nomenclature (CN) used to compile International Trade in Goods statistics, which thus enables direct comparisons between industrial production statistics and trade statistics (see below). PRODCOM headings are coded using an eight-digit numerical code, the first six digits of which are identical to those of the Statistical Classification of Products by Activity (CPA) code. The PRODCOM list is therefore also fully consistent with the CPA, while further detailing the CPA product categories.

PRODCOM statistics are broken down to a detail level of almost 3900 products available in the PRODCOM list. The main indicators of the production sold during the calendar year are collected and published both in monetary (EUR) and physical (kg, m², number of items, etc.) terms.

Eurostat releases in its database PRODCOM statistics for the EU as a whole as well as by Member State. The EU total excludes currently three EU Member States which are exempt from transmitting industrial production data given their small share in the EU total; these are Cyprus, Malta and Luxembourg.

How are PRODCOM statistics measured?

As mentioned above, PRODCOM statistics are based upon data on manufacturing of goods produced by the enterprises on the national territory. These enterprises carry out one or more activities at one or more locations and may comprise one or more legal units. When an enterprise is active in more than one economic activity, then the value added and turnover that it generates, the persons it employs, and the values of all other statistical variables will be classified under the enterprise’s principal activity. The principal activity is normally the one that generates the largest amount of value added. For PRODCOM statistics, the survey population consists of enterprises whose principal activity or one of its secondary activities was manufacturing of goods during the reference period.

PRODCOM statistics are compiled from the enterprises that cover at least 90 % of the national production per NACE class and employ at least 20 people (different thresholds may nonetheless be adopted by countries in exceptional cases). The territory covered in each country refers to the specifications of the Nomenclature of Countries and Territories for the External Trade Statistics of the Community and Statistics of Trade between Member States.

Indicator definitions for key PRODCOM statistics

PRODCOM statistics consist of the following set of indicators:

the physical volume of production sold during the survey period,
the value of production sold during the survey period,

the physical volume of actual production during the survey period, including any production which is incorporated into the manufacture of other products from the same undertaking.

The national statistical institutes transmit this set of indicators to Eurostat on an annual basis, six months after the end of the reference year. Data are available in both NACE Rev. 1.1 and NACE Rev. 2 classifications until 2008 reference year and from reference year 2009 onwards only in NACE Rev.2.

Appendix

Which parts of the economy does PRODCOM cover?

The PRODCOM statistics cover the industrial production (with the exception of military products and some energy products) carried out by enterprises classified within the Sections B to C of NACE Rev. 2, which include:

- Section B - Mining and quarrying
 - Division 07 - Mining of metal ores
 - Division 08 - Other mining and quarrying
 - Division 09 - Mining support service activities
- Section C - Manufacture
 - Division 10 - Manufacture of food products
 - Division 11 - Manufacture of beverages
 - Division 12 - Manufacture of tobacco products
 - Division 13 - Manufacture of textiles
 - Division 14 - Manufacture of wearing apparel
 - Division 15 - Manufacture of leather and related products
 - Division 16 - Manufacture of wood and of products of wood and cork, except furniture
 - Division 17 - Manufacture of paper and paper products
 - Division 18 - Printing and reproduction of recorded media
 - Division 19 - Manufacture of coke and refined petroleum products
 - Division 20 - Manufacture of chemicals and chemical products
 - Division 21 - Manufacture of basic pharmaceutical products and pharmaceutical preparations
 - Division 22 - Manufacture of rubber and plastic products
 - Division 23 - Manufacture of other non-metallic mineral products
 - Division 24 - Manufacture of basic metals
 - Division 25 - Manufacture of fabricated metal products, except machinery and equipment
 - Division 26 - Manufacture of computer, electronic and optical products
 - Division 27 - Manufacture of electrical equipment
 - Division 28 - Manufacture of machinery and equipment n.e.c.
 - Division 29 - Manufacture of motor vehicles, trailers and semi-trailers
 - Division 30 - Manufacture of other transport equipment
 - Division 31 - Manufacture of furniture
 - Division 32 - Other manufacturing
 - Division 33 - Repair and installation of machinery and equipment

Legislation

PRODCOM statistics are compiled under the legal basis provided by Council Regulation (EEC) NO 3924/1991 of 19 December 1991 and by Commission Regulation (EC) No 0912/2004 of 29 April 2004 implementing the Council Regulation (EEC) No 3924/91 on the establishment of a Community survey of industrial production. Additionally, a Commission Regulation updating the PRODCOM classification is available annually since 2003.

Methodology

A summary of the methodology applied for PRODCOM statistics accompanies the data on Eurostat's website as a European Statistics Metadata System (ESMS) metadata file (prodcom_esms). The national European Statistics Metadata System (ESMS) metadata files, employed by countries for PRODCOM statistics are available under the ESMS metadata file (prodcom_esms).

Classifications

Appendix

As mentioned above, the enterprises which are surveyed for PRODCOM statistics are classified according to their activity and assigned to a particular NACE code. The revised NACE Rev. 2 classification was adopted at the end of 2006, and is applicable to the PRODCOM Statistics since 2008 reference year. These changes in the classifications allowed a broader and more detailed collection of information to be compiled on industry, and provided the possibility to better identify new products from new areas of economic activity (such as technology-producing sectors).

Existing PRODCOM statistics presented in terms of NACE Rev. 1.1 will be maintained in the database for those users wishing to analyse historical series.

Before industrial production data collection could start, it was necessary to draw up a common list of products to be covered. Drawing up the PRODCOM list was a unique opportunity for Eurostat, the National Statistical Institutes and the European Trade Associations to work together to produce a classification that would work on the micro, national and European levels. The two main objectives of this work were to enable measuring the industrial production and to allow linking production statistics to trade statistics. As PRODCOM statistics have to be comparable with trade statistics, which are based on the CN, there had to be a close relationship between the two nomenclatures. Furthermore, the basic building blocks for PRODCOM are NACE (Rev. 2, as from 2008) and the CPA. Therefore, the PRODCOM list had to be developed in close association with these nomenclatures.

To understand how the different nomenclatures fit together, and their links to world-wide nomenclatures, it is useful to consider the diagram below which gives an overview of the revised system of integrated statistical classifications. This diagram shows the clear links between the PRODCOM list and the CN, which then links up to the HS at a world-wide level.

Diagram links: PRODCOM list, CN and HS

Policy context

Industrial production statistics collected within PRODCOM are used as one of the data sources in a number of policy areas covered mainly by the work of the Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs (GROW). The European Commission's enterprise policies aim to create a favourable environment for business to thrive within the EU, creating higher productivity, economic growth, jobs and wealth. Many of the policies that have been introduced in recent years have been aimed at reducing administrative burdens, stimulating innovation, encouraging sustainable production, and ensuring the smooth functioning of the EU's internal market.

At the European Council meeting of 26 March 2010, EU leaders set out their plan for Europe 2020, a strategy to enhance the competitiveness of the EU and to create more growth and jobs. The latest revision of the integrated economic and employment guidelines (revised as part of the Europe 2020 strategy for smart, sustainable and inclusive growth) includes a guideline to improve the business and consumer environment and modernise Europe's industrial base. Additional information about the Europe 2020 strategy can be found on the Europe 2020 website.

In October 2010, the European Commission presented a Communication on "An industrial policy for the globalisation era", establishing a strategic agenda and proposing broad cross-sectoral measures, as well as tailor-made actions for specific industries, mainly targeting so-called "green innovation" performance of various sectors. Prodcum statistics represent an important data input in order to take informed political decisions in these areas.

The central principles governing the internal market for services guarantee EU enterprises the freedom to establish themselves in other Member States, and the freedom to provide services on the territory of another EU Member State other than the one in which they are established. These central principles governing the internal market were set out in the EC Treaty. The objective of the Directive 0123/2006 of 12 December 2006 is to eliminate obstacles to trade in services, thus allowing the development of cross-border operations. It is intended to improve competitiveness, not just of service enterprises but also of European industry as a whole. In December 2006, the Directive was adopted by the European Parliament and the Council with transposition by the Member States required by the end of 2009. A comprehensive and structured listing of the legislative acts in force relating to industrial policy is available on Eurlex's website.