



COAL PRICE AND FX MARKET FORECASTS

September/October 2022

Overview

This bulletin provides a summary of coal price forecasts (hard coking coal, PCI, semi-soft coking coal and Newcastle benchmark thermal coal) and AUD:USD exchange rate forecasts as at September/October 2022. These have been sourced from various research databases and broker reports (the **Contributors**), and are presented on a 31 December year end basis. Where available, we have included the Contributors' long-term price forecasts. We have also included the average and median forecasts presented in our previous bulletin (June/July 2022).

All coal price forecasts, other than long term, are presented in nominal USD per metric tonne, free on board terms. The long term prices are in real current (2022) USD per metric tonne, free on board terms. Where applicable, we have made the following adjustments to certain coal price forecasts:

- Where Contributors have expressed coal price forecasts in real terms over the explicit forecast period, we have converted these into nominal terms using a high level inflation assumption of 2.5 percent per annum.
- Where long term coal price forecasts have been expressed in nominal terms, we have converted these into real current (2022) terms using a high level inflation assumption of 2.5 percent per annum.
- Where coal prices have been expressed in Australian Fiscal Year (1 July to 30 June) terms (FY) we have adjusted the forecast prices to be consistent with calendar year terms (CY), by adding 50 percent of the current FY forecast (1 July to 31 December) and 50 percent of the prior year's FY forecast (1 January to 30 June).
- Where coal prices have been expressed in Japanese Fiscal Year (1 April to 31 March) terms (JFY) we have adjusted the forecast prices to be consistent with CY terms, by adding 75 percent of the current JFY forecast (1 April to 31 December) and 25 percent of the prior year's JFY forecast (1 January to 31 March).

With regards to Newcastle benchmark thermal coal, we note that some of the Contributors forecast spot prices while some forecast contract prices. We have not distinguished between these in the bulletin.

While we recognise there are differing hard coking coal specifications, we note that the Contributors commonly do not differentiate between grades of hard coking coal in their forecasts. Accordingly, we do not distinguish between grades of hard coking coal in the bulletin.

The names of the Contributors have not been provided and have been presented as "Contributor [Number]". We note that not all Contributors have provided AUD:USD rate forecasts or coal price forecasts for each forecast year, and not all Contributors have provided forecasts for each coal type.

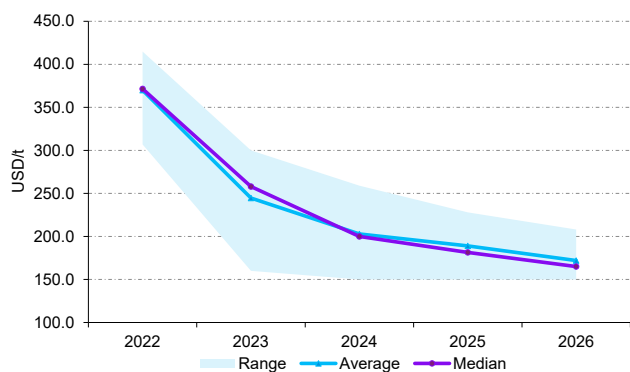
The forecast data presented in this report represents an unbiased summary of commodity price and exchange rate forecasts, based on the views of individual economic commentators and broking houses. It is not necessarily reflective of either KPMG's views on coal price or exchange rate forecasts, or our preferred approach in determining forecast coal prices and forecast exchange rates.

This analysis is provided to you on an information only basis and if you wish to rely on this analysis or any part thereof you do so entirely at your own risk.

This bulletin makes reference to 'KPMG Analysis'. This indicates only that we have (where specified) undertaken certain analytical activities on the underlying data to arrive at the information presented.

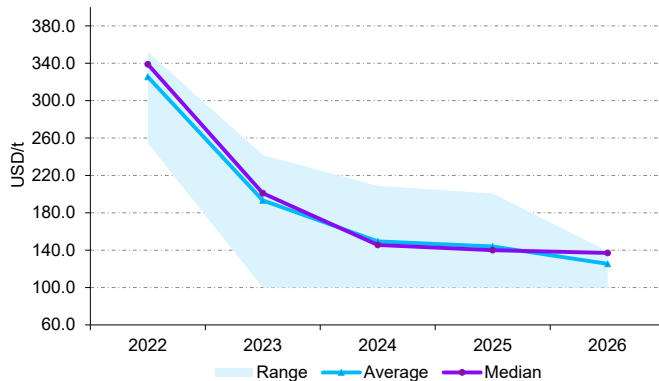
Hard coking coal price forecasts

The hard coking coal price forecasts are summarised below:



Low and ultra-low volatile PCI coal price forecasts

The low and ultra-low volatile PCI coal price forecasts are summarised below:



Hard coking coal (USD/t Nominal)

Year ended 31 December	Reporting date	2022	2023	2024	2025	2026	LT (2022)
Contributor 1	24-Oct-22	306.9	281.3	235.8	225.8	n/a	n/a
Contributor 3	11-Oct-22	396.1	250.0	194.0	n/a	n/a	180.0
Contributor 4	7-Oct-22	389.6	223.8	189.8	180.0	n/a	n/a
Contributor 6	6-Oct-22	350.0	275.0	200.0	n/a	n/a	140.0
Contributor 7	6-Oct-22	373.0	275.0	206.0	183.0	180.0	171.6
Contributor 8	5-Oct-22	373.0	n/a	n/a	n/a	n/a	n/a
Contributor 9	4-Oct-22	348.0	180.0	150.0	150.0	150.0	150.0
Contributor 10	4-Oct-22	391.0	258.0	219.0	n/a	n/a	n/a
Contributor 12	4-Oct-22	340.0	160.0	150.0	n/a	n/a	140.0
Contributor 13	3-Oct-22	365.0	190.0	160.0	160.0	150.0	150.0
Contributor 14	2-Oct-22	370.0	190.0	n/a	n/a	n/a	160.0
Contributor 15	1-Oct-22	350.0	263.0	245.0	205.0	n/a	200.0
Contributor 16	30-Sep-22	356.0	292.0	259.0	n/a	n/a	180.0
Contributor 18	27-Sep-22	396.1	300.0	n/a	n/a	n/a	n/a
Contributor 19	21-Sep-22	399.0	281.0	249.0	228.0	208.0	170.0
Contributor 20	12-Sep-22	414.8	250.0	180.0	180.0	n/a	n/a
Low		306.9	160.0	150.0	150.0	150.0	140.0
High		414.8	300.0	259.0	228.0	208.0	200.0
Average		369.9	244.6	202.9	189.0	172.0	164.2
Median		371.5	258.0	200.0	181.5	165.0	165.0
Previous bulletin (Jun/Jul22)							
Average		390.5	269.6	202.5	181.1	161.3	157.4
Median		389.0	275.0	195.5	169.0	152.5	150.0

Source: Thomson Research, the Contributors, KPMG Analysis

n/a: forecast not available

Low and ultra-low volatile PCI coal (USD/t Nominal)

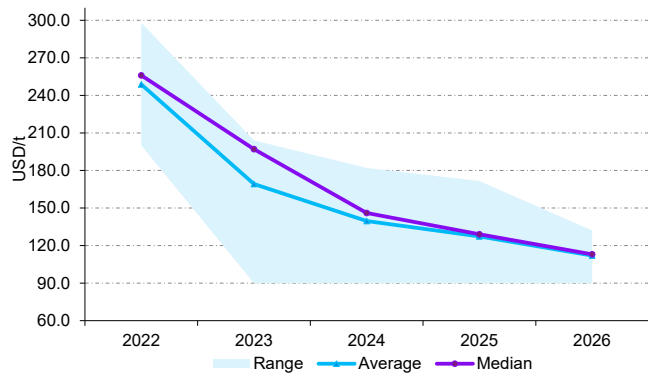
Year ended 31 December	Reporting date	2022	2023	2024	2025	2026	LT (2022)
Contributor 3	11-Oct-22	339.0	185.0	133.0	n/a	n/a	125.0
Contributor 4	7-Oct-22	346.7	241.8	208.8	200.8	n/a	n/a
Contributor 7	6-Oct-22	307.0	217.0	158.0	140.0	137.0	130.2
Contributor 8	5-Oct-22	344.5	n/a	n/a	n/a	n/a	n/a
Contributor 9	4-Oct-22	254.8	100.0	100.0	100.0	100.0	100.0
Contributor 19	21-Sep-22	352.0	241.0	171.0	153.0	139.0	114.0
Contributor 20	12-Sep-22	334.2	175.0	126.0	126.0	n/a	n/a
Low		254.8	100.0	100.0	100.0	100.0	100.0
High		352.0	241.8	208.8	200.8	139.0	130.2
Average		325.4	193.3	149.5	144.0	125.3	117.3
Median		339.0	201.0	145.5	140.0	137.0	119.5
Previous bulletin (Jun/Jul22)							
Average		307.8	188.6	135.4	122.2	116.8	112.4
Median		318.5	208.0	134.8	126.0	111.5	111.8

Source: Thomson Research, the Contributors, KPMG Analysis

n/a: forecast not available

Semi-soft coking coal price forecasts

The semi-soft coking coal price forecasts are summarised below:



Semi-soft coking coal (USD/t Nominal)

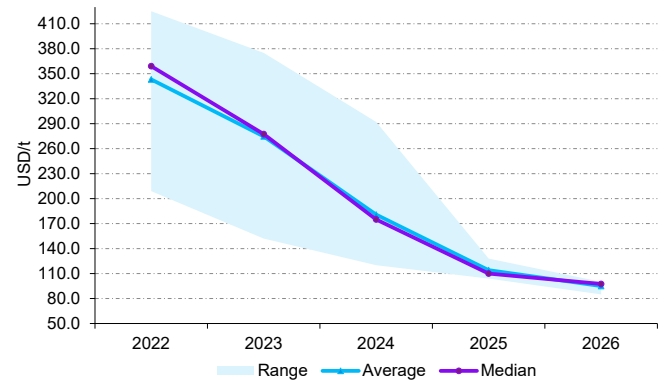
Year ended 31 December	Reporting date	2022	2023	2024	2025	2026	LT (2022)
Contributor 3	11-Oct-22	200.0	163.0	117.0	n/a	n/a	113.0
Contributor 4	7-Oct-22	217.0	203.0	176.5	171.5	n/a	n/a
Contributor 7	6-Oct-22	267.0	197.0	146.0	129.0	126.0	119.9
Contributor 9	4-Oct-22	226.3	90.0	90.0	90.0	90.0	90.0
Contributor 13	3-Oct-22	256.0	125.0	100.0	100.0	100.0	100.0
Contributor 16	30-Sep-22	277.0	204.0	182.0	n/a	n/a	126.0
Contributor 19	21-Sep-22	298.0	202.0	166.0	146.0	132.0	105.0
Low		200.0	90.0	90.0	90.0	90.0	90.0
High		298.0	204.0	182.0	171.5	132.0	126.0
Average		248.8	169.1	139.6	127.3	112.0	109.0
Median		256.0	197.0	146.0	129.0	113.0	109.0
Previous bulletin (Jun/Jul22)							
Average		273.6	171.3	127.8	113.1	107.4	99.0
Median		282.0	198.0	133.8	105.3	106.0	100.4

Source: Thomson Research, the Contributors, KPMG Analysis

n/a: forecast not available

Newcastle benchmark thermal coal price forecasts

The Newcastle benchmark thermal coal price forecasts are summarised below:



Newcastle thermal coal (USD/t Nominal)

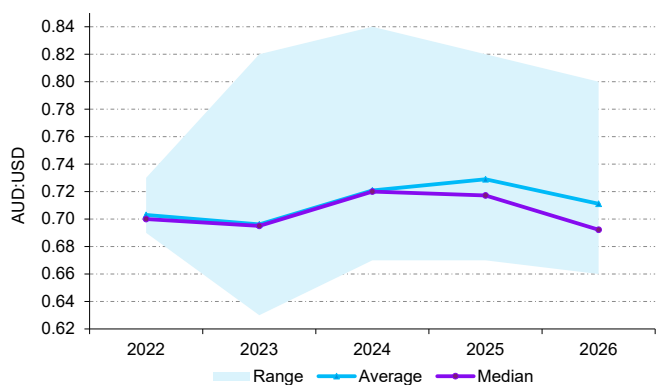
Year ended 31 December	Reporting date	2022	2023	2024	2025	2026	LT (2022)
Contributor 1	24-Oct-22	399.0	343.8	237.5	127.8	n/a	n/a
Contributor 2	17-Oct-22	278.9	242.5	176.3	n/a	n/a	n/a
Contributor 3	11-Oct-22	425.0	275.0	175.0	n/a	n/a	90.0
Contributor 4	7-Oct-22	415.0	287.0	126.0	105.0	n/a	n/a
Contributor 6	6-Oct-22	357.0	280.0	250.0	n/a	n/a	75.0
Contributor 7	6-Oct-22	376.0	281.0	150.0	104.0	100.0	100.9
Contributor 8	5-Oct-22	372.6	375.0	n/a	n/a	n/a	n/a
Contributor 9	4-Oct-22	270.5	200.0	120.0	110.0	100.0	100.0
Contributor 10	4-Oct-22	333.0	232.0	125.0	n/a	n/a	n/a
Contributor 12	4-Oct-22	340.0	250.0	150.0	n/a	n/a	80.0
Contributor 13	3-Oct-22	282.0	273.0	190.0	118.0	85.0	65.0
Contributor 14	2-Oct-22	303.0	160.0	n/a	n/a	n/a	90.0
Contributor 15	1-Oct-22	361.0	325.0	238.0	128.0	n/a	100.0
Contributor 16	30-Sep-22	368.0	366.0	292.0	n/a	n/a	85.0
Contributor 18	27-Sep-22	400.0	353.8	n/a	n/a	n/a	n/a
Contributor 19	21-Sep-22	209.0	152.0	121.0	106.0	95.0	75.0
Low		209.0	152.0	120.0	104.0	85.0	65.0
High		425.0	375.0	292.0	128.0	100.0	100.9
Average		343.1	274.8	180.8	114.1	95.0	86.1
Median		359.0	277.5	175.0	110.0	97.5	87.5
Previous bulletin (Jun/Jul22)							
Average		293.1	218.1	149.3	101.6	89.5	83.9
Median		301.0	237.5	145.0	104.8	88.5	80.2

Source: Thomson Research, the Contributors, KPMG Analysis

n/a: forecast not available

Forecast AUD:USD exchange rates

Forecast AUD:USD exchange rates are summarised below:



AUD:USD exchange rate (Nominal)

Year ended 31 December	Reporting date	2022	2023	2024	2025	2026	LT (2022)
Contributor 1	24-Oct-22	0.69	0.63	0.72	n/a	n/a	n/a
Contributor 2	17-Oct-22	0.71	0.73	0.74	0.71	0.69	n/a
Contributor 3	11-Oct-22	0.70	0.69	0.70	n/a	n/a	0.75
Contributor 4	7-Oct-22	0.69	0.68	0.74	0.75	n/a	n/a
Contributor 5	6-Oct-22	0.71	0.68	0.67	0.67	0.66	0.66
Contributor 10	4-Oct-22	0.70	0.72	n/a	n/a	n/a	n/a
Contributor 11	4-Oct-22	0.69	0.70	0.73	0.76	n/a	n/a
Contributor 13	3-Oct-22	0.70	0.68	0.70	0.69	0.69	0.69
Contributor 14	2-Oct-22	0.71	0.70	n/a	n/a	n/a	0.75
Contributor 16	30-Sep-22	0.70	0.65	0.67	n/a	n/a	0.74
Contributor 17	28-Sep-22	0.69	0.70	0.72	0.72	n/a	n/a
Contributor 18	27-Sep-22	0.69	0.65	n/a	n/a	n/a	n/a
Contributor 19	21-Sep-22	0.72	0.72	0.72	n/a	n/a	n/a
Contributor 20	12-Sep-22	0.70	0.70	0.71	0.71	n/a	n/a
Contributor 21	12-Sep-22	0.73	0.82	0.84	0.82	0.80	n/a
Low		0.69	0.63	0.67	0.67	0.66	0.66
High		0.73	0.82	0.84	0.82	0.80	0.75
Average		0.70	0.70	0.72	0.73	0.71	0.72
Median		0.70	0.70	0.72	0.72	0.69	0.74
Previous bulletin (Jun/Jul22)							
Average		0.73	0.74	0.73	0.74	0.72	0.73
Median		0.73	0.74	0.74	0.74	0.73	0.74

Source: Thomson Research, the Contributors, KPMG Analysis

n/a: forecast not available

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