



Coal Price and FX consensus forecasts

March/April 2019

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 March/April 2019. These have been sourced from various research databases and broker reports (the **Contributors**), 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 (December 2018/January 2019).

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 (2019) 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 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 into real current (2019) 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 don't 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.

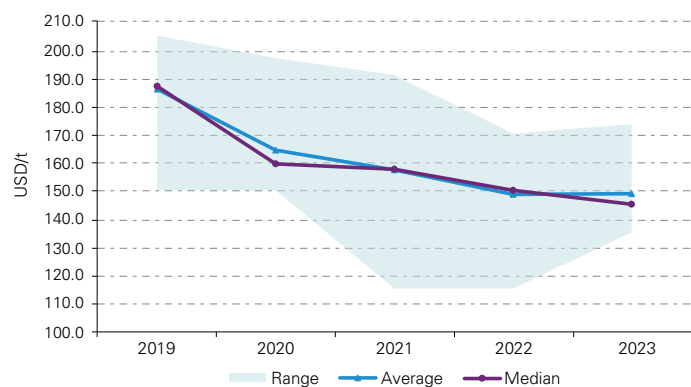
The forecast data presented in this report represents an unbiased summary of commodity price and exchange rate forecasts, based on the views of individual economic commentators and broking houses. It is not necessarily reflective of either KPMG's views on coal price or exchange rate forecasts, or our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

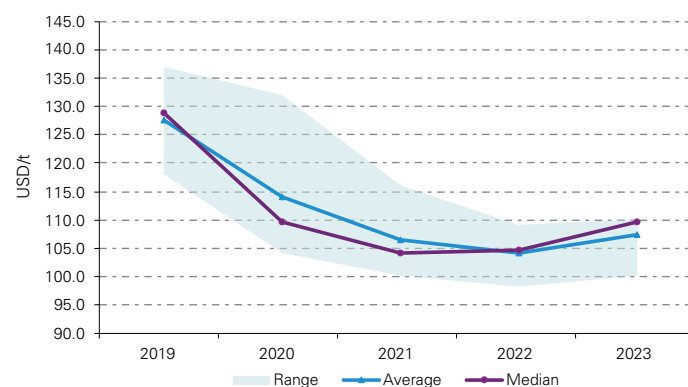
Hard coking coal price forecasts

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	2019	2020	2021	2022	2023	LT (2019)
Contributor 1	14-Apr-19	189.0	178.9	166.8	170.1	173.5	n/a
Contributor 2	10-Apr-19	201.0	170.0	170.0	145.0	142.0	130.0
Contributor 3	10-Apr-19	185.8	158.0	n/a	n/a	n/a	n/a
Contributor 4	9-Apr-19	182.0	165.0	155.0	n/a	n/a	150.0
Contributor 5	8-Apr-19	201.0	191.0	182.5	167.5	n/a	126.0
Contributor 6	8-Apr-19	205.0	197.0	191.0	n/a	n/a	140.0
Contributor 8	7-Apr-19	193.0	183.0	175.0	n/a	n/a	140.0
Contributor 9	3-Apr-19	179.0	150.0	115.0	115.0	n/a	140.0
Contributor 10	2-Apr-19	186.5	160.0	160.0	140.0	n/a	140.0
Contributor 11	1-Apr-19	175.0	153.3	140.7	138.2	141.0	n/a
Contributor 12	1-Apr-19	150.0	153.0	n/a	n/a	n/a	n/a
Contributor 13	1-Apr-19	170.0	155.0	n/a	n/a	n/a	130.0
Contributor 14	28-Mar-19	187.0	151.0	130.0	130.0	135.0	125.0
Contributor 15	28-Mar-19	189.0	163.0	155.0	155.0	n/a	138.3
Contributor 16	28-Mar-19	196.0	170.0	160.0	160.0	155.0	135.0
Contributor 17	26-Mar-19	188.7	158.8	n/a	n/a	n/a	n/a
Contributor 18	26-Mar-19	187.0	150.0	150.0	163.0	145.0	127.6
Contributor 20	13-Mar-19	183.0	150.0	150.0	150.0	150.0	n/a
Low		150.0	150.0	115.0	115.0	135.0	125.0
High		205.0	197.0	191.0	170.1	173.5	150.0
Average		186.0	164.3	157.2	148.5	148.8	135.2
Median		187.0	159.4	157.5	150.0	145.0	136.7
Previous bulletin (Dec18/Jan19)							
Average		179.1	159.1	154.4	150.7	151.5	135.3
Median		179.4	154.5	155.0	154.0	147.5	135.6

Source: Thomson Research, the Contributors, KPMG Analysis
n/a: forecast not available

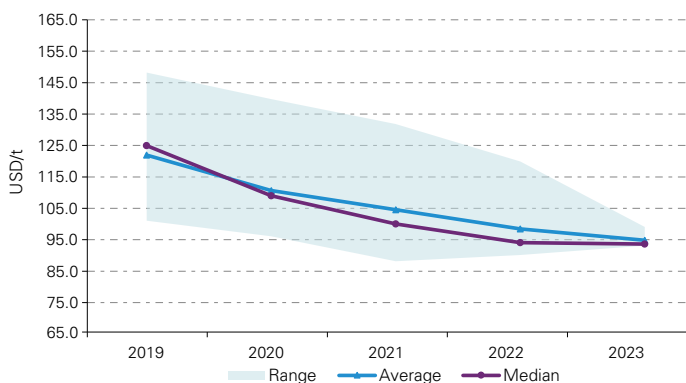
Low and ultra-low volatile PCI coal (USD/t Nominal)

Year ended 31 December	Reporting date	2019	2020	2021	2022	2023	LT (2019)
Contributor 2	10-Apr-19	135.0	116.0	116.0	n/a	n/a	n/a
Contributor 8	7-Apr-19	130.0	124.0	n/a	n/a	n/a	105.0
Contributor 9	3-Apr-19	137.0	132.0	102.0	102.0	n/a	105.0
Contributor 10	2-Apr-19	132.7	110.0	110.0	100.0	n/a	100.0
Contributor 11	1-Apr-19	127.7	108.7	103.5	98.0	100.0	n/a
Contributor 14	28-Mar-19	119.0	104.0	100.0	107.0	110.0	95.7
Contributor 16	28-Mar-19	118.0	108.0	104.0	108.0	110.0	95.0
Contributor 18	26-Mar-19	121.0	109.0	109.0	109.0	109.0	91.9
Low		118.0	104.0	100.0	98.0	100.0	91.9
High		137.0	132.0	116.0	109.0	110.0	105.0
Average		127.5	114.0	106.4	104.0	107.2	98.8
Median		128.8	109.5	104.0	104.5	109.5	97.9
Previous bulletin (Dec18/Jan19)							
Average		127.4	113.6	107.2	103.8	106.6	101.7
Median		126.0	115.0	109.0	102.0	109.0	102.5

Source: Thomson Research, the Contributors, KPMG Analysis
n/a: forecast not available

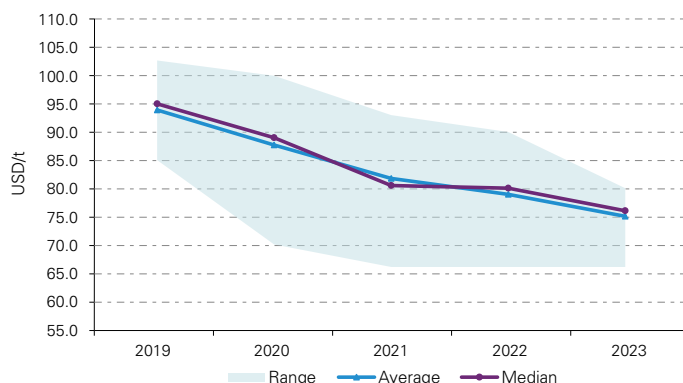
Semi-soft coking coal price forecasts

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



Newcastle benchmark thermal coal price forecasts

The Newcastle benchmark thermal coal price forecasts are summarised below:



Semi-soft coking coal (USD/t Nominal)

Year ended 31 December	Reporting date	2019	2020	2021	2022	2023	LT (2019)
Contributor 2	10-Apr-19	129.0	111.0	111.0	94.0	93.0	84.0
Contributor 5	8-Apr-19	148.5	140.0	132.0	120.0	n/a	89.0
Contributor 8	7-Apr-19	131.0	123.0	118.0	n/a	n/a	98.0
Contributor 9	3-Apr-19	127.0	120.0	92.0	92.0	n/a	95.0
Contributor 10	2-Apr-19	123.1	100.0	100.0	90.0	n/a	90.0
Contributor 12	1-Apr-19	105.0	107.0	n/a	n/a	n/a	n/a
Contributor 14	28-Mar-19	113.0	96.0	88.0	91.0	94.0	87.7
Contributor 15	28-Mar-19	132.0	114.0	109.0	109.0	n/a	92.2
Contributor 16	28-Mar-19	111.0	100.0	93.0	94.0	93.0	80.0
Contributor 18	26-Mar-19	101.0	96.0	98.0	97.0	99.0	82.7
Low		101.0	96.0	88.0	90.0	93.0	80.0
High		148.5	140.0	132.0	120.0	99.0	98.0
Average		122.1	110.7	104.6	98.4	94.8	88.7
Median		125.1	109.0	100.0	94.0	93.5	89.0
Previous bulletin (Dec18/Jan19)							
Average		121.3	107.3	101.9	97.1	91.5	89.7
Median		120.8	107.0	99.5	93.0	93.0	89.5

Source: Thomson Research, the Contributors, KPMG Analysis
n/a: forecast not available

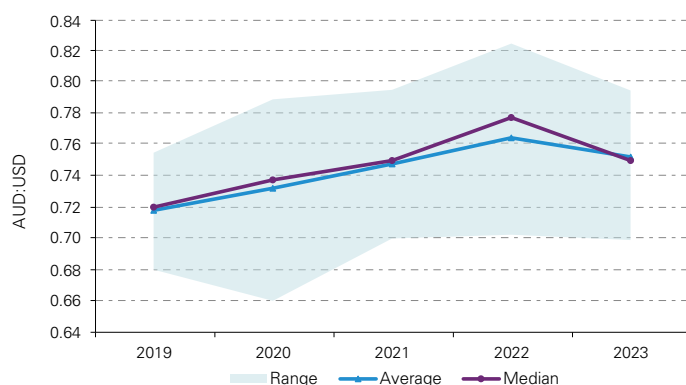
Newcastle thermal coal (USD/t Nominal)

Year ended 31 December	Reporting date	2019	2020	2021	2022	2023	LT (2019)
Contributor 2	10-Apr-19	87.0	85.0	80.0	72.0	73.0	67.0
Contributor 3	10-Apr-19	88.0	90.3	n/a	n/a	n/a	n/a
Contributor 4	9-Apr-19	95.0	88.0	75.0	n/a	n/a	65.0
Contributor 5	8-Apr-19	98.5	95.0	90.0	90.0	n/a	68.0
Contributor 6	8-Apr-19	95.0	94.0	93.0	n/a	n/a	75.0
Contributor 7	8-Apr-19	93.7	84.5	n/a	n/a	n/a	n/a
Contributor 8	7-Apr-19	88.0	84.0	84.0	n/a	n/a	77.0
Contributor 9	3-Apr-19	95.0	85.0	80.0	80.0	n/a	75.0
Contributor 10	2-Apr-19	99.8	100.0	90.0	90.0	n/a	90.0
Contributor 13	1-Apr-19	98.0	92.0	n/a	n/a	n/a	80.0
Contributor 14	28-Mar-19	91.0	81.0	76.0	75.0	76.0	76.2
Contributor 15	28-Mar-19	99.0	90.0	81.0	76.0	n/a	59.9
Contributor 16	28-Mar-19	95.0	90.0	86.0	81.0	80.0	70.0
Contributor 17	26-Mar-19	102.7	94.3	n/a	n/a	n/a	n/a
Contributor 18	26-Mar-19	92.0	70.0	66.0	66.0	66.0	59.2
Contributor 20	13-Mar-19	85.0	80.0	80.0	80.0	80.0	n/a
Low		85.0	70.0	66.0	66.0	66.0	59.2
High		102.7	100.0	93.0	90.0	80.0	90.0
Average		93.9	87.7	81.8	78.9	75.0	71.9
Median		95.0	89.0	80.5	80.0	76.0	72.5
Previous bulletin (Dec18/Jan19)							
Average		95.7	86.7	81.2	80.7	75.0	72.1
Median		95.0	85.0	80.0	80.0	74.5	72.5

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	2019	2020	2021	2022	2023	LT (2019)
Contributor 1	9-Apr-19	0.72	0.71	0.71	0.70	0.70	0.71
Contributor 2	10-Apr-19	0.71	0.72	0.72	0.72	0.72	0.75
Contributor 3	1-Apr-19	0.72	0.78	n/a	n/a	n/a	n/a
Contributor 4	9-Apr-19	0.71	0.71	0.71	n/a	n/a	0.71
Contributor 5	8-Apr-19	0.73	0.75	0.77	0.79	n/a	0.81
Contributor 6	8-Apr-19	0.72	0.73	0.75	0.83	n/a	
Contributor 7	8-Apr-19	0.73	0.74	0.77	0.79	0.79	n/a
Contributor 8	7-Apr-19	0.69	0.66	0.70	n/a	n/a	0.76
Contributor 9	3-Apr-19	0.72	0.74	0.75	0.75	n/a	0.75
Contributor 10	2-Apr-19	0.72	0.74	0.74	0.75	n/a	0.75
Contributor 11	1-Apr-19	0.76	0.79	0.80	0.79	0.79	n/a
Contributor 13	1-Apr-19	0.68	0.66	n/a	n/a	n/a	n/a
Contributor 14	20-Mar-19	0.71	0.75	n/a	n/a	n/a	n/a
Contributor 15	28-Mar-19	0.74	0.75	0.77	0.78	n/a	0.81
Contributor 16	28-Mar-19	0.71	0.72	0.73	0.74	0.74	0.75
Contributor 17	26-Mar-19	0.70	0.72	n/a	n/a	n/a	n/a
Contributor 18	26-Mar-19	0.72	0.73	0.75	0.75	0.75	0.75
Contributor 19	20-Mar-19	0.73	0.75	0.75	n/a	n/a	n/a
Contributor 20	13-Mar-19	0.72	0.75	0.79	0.78	0.77	n/a
Contributor 21	12-Mar-19	0.72	0.75	0.78	0.79	n/a	n/a
Low		0.68	0.66	0.70	0.70	0.70	0.71
High		0.76	0.79	0.80	0.83	0.79	0.81
Average		0.72	0.73	0.75	0.76	0.75	0.76
Median		0.72	0.74	0.75	0.78	0.75	0.75
Previous bulletin (Dec18/Jan19)							
Average		0.73	0.74	0.76	0.77	0.77	0.77
Median		0.73	0.75	0.77	0.78	0.78	0.75

Source: Thomson Research, the Contributors, KPMG Analysis
n/a: forecast not available

KPMG.com.au

Contact us

If you require any further information in relation to this bulletin, please contact:

Bill Allen

Partner

Valuation Services, Deals, Tax & Legal

T: + 61 7 3233 3174

E: billallen@kpmg.com.au

The information contained in this document is of a general nature and is not intended to address the objectives, financial situation or needs of any particular individual or entity. It is provided for information purposes only and does not constitute, nor should it be regarded in any manner whatsoever, as advice and is not intended to influence a person in making a decision, including, if applicable, in relation to any financial product or an interest in a financial product. Although we endeavour to provide accurate and timely information, there can be no guarantee that such information is accurate as of the date it is received or that it will continue to be accurate in the future. No one should act on such information without appropriate professional advice after a thorough examination of the particular situation.

To the extent permissible by law, KPMG and its associated entities shall not be liable for any errors, omissions, defects or misrepresentations in the information or for any loss or damage suffered by persons who use or rely on such information (including for reasons of negligence, negligent misstatement or otherwise).

© 2019 KPMG, an Australian partnership and a member firm of the KPMG network of independent member firms affiliated with KPMG International Cooperative ("KPMG International"), a Swiss entity. All rights reserved. The KPMG name and logo are registered trademarks or trademarks of KPMG International. Liability limited by a scheme approved under Professional Standards Legislation. May 2019. 3351495828ENR.