



Coal Price and FX consensus forecasts

September/October 2017

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 2017. 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 (June/July 2017).

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 (2017) 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 (2017) 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).
- Where Contributors have only expressed forecast prices for a portion of 2017 (i.e. third quarter 2017

and fourth quarter 2017 or fourth quarter 2017 only) we have adjusted these to reflect a full year, based on the historical prices for the first quarter 2017, the second quarter 2017 and/or third quarter 2017.

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.

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.

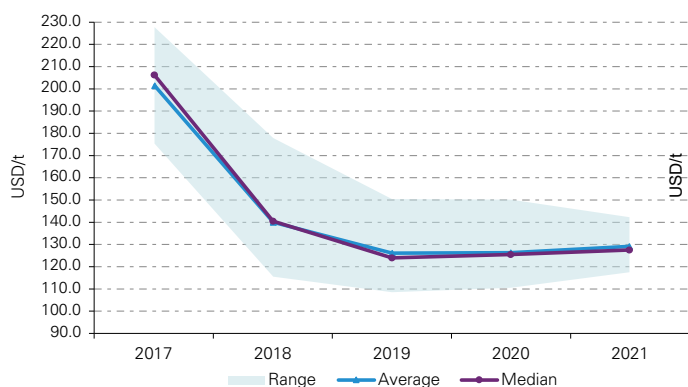
The forecast data presented in this report represents an unbiased summary of commodity price and exchange rate forecasts, based on the views of individual economic commentators and broking houses. It is not necessarily reflective of either KPMG's views on coal price or exchange rate forecasts, or our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

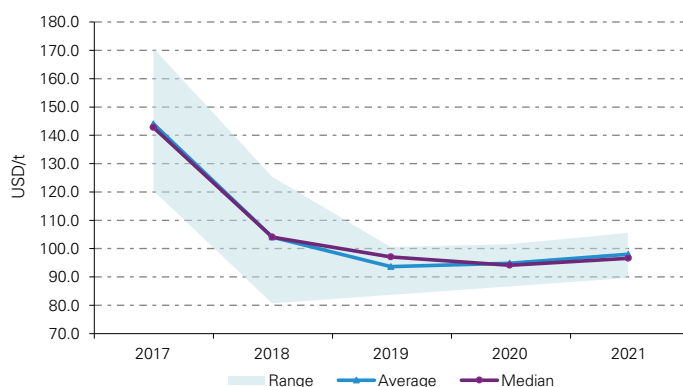
Hard coking coal price forecasts

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	2017	2018	2019	2020	2021	LT (2017)
Contributor 2	12-Oct-17	217.0	177.5	150.0	135.0	n/a	115.0
Contributor 3	11-Oct-17	206.0	128.0	130.0	135.0	140.0	125.0
Contributor 4	6-Oct-17	227.5	150.5	131.1	133.7	136.4	n/a
Contributor 5	5-Oct-17	208.0	159.7	146.8	149.7	141.8	n/a
Contributor 6	5-Oct-17	207.0	150.0	122.0	119.0	n/a	105.0
Contributor 7	3-Oct-17	210.0	150.0	125.0	120.0	120.0	120.0
Contributor 8	2-Oct-17	188.0	150.0	n/a	n/a	n/a	n/a
Contributor 9	2-Oct-17	197.0	138.0	110.0	n/a	n/a	110.0
Contributor 11	1-Oct-17	207.0	116.3	n/a	n/a	n/a	n/a
Contributor 12	30-Sep-17	186.0	120.0	120.0	n/a	n/a	110.0
Contributor 13	29-Sep-17	190.0	130.0	130.0	n/a	n/a	124.0
Contributor 14	28-Sep-17	198.0	125.0	120.0	110.0	n/a	120.0
Contributor 16	25-Sep-17	210.7	146.3	n/a	n/a	n/a	n/a
Contributor 17	25-Sep-17	212.0	149.0	108.0	111.0	117.0	104.0
Contributor 18	25-Sep-17	202.5	150.0	120.0	120.0	120.0	120.0
Contributor 19	20-Sep-17	175.0	133.0	n/a	n/a	n/a	n/a
Contributor 20	18-Sep-17	187.0	115.0	120.0	125.0	129.0	n/a
Contributor 22	11-Sep-17	183.0	140.0	125.0	125.0	125.0	n/a
Contributor 23	1-Sep-17	209.3	122.5	n/a	n/a	n/a	n/a
Low		175.0	115.0	108.0	110.0	117.0	104.0
High		227.5	177.5	150.0	149.7	141.8	125.0
Average		201.1	139.5	125.6	125.8	128.6	115.3
Median		206.0	140.0	123.5	125.0	127.0	117.5
Previous bulletin (June/July 17)							
Average		190.9	126.9	119.2	120.6	121.9	116.2
Median		190.0	126.5	120.0	119.5	120.0	115.0

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

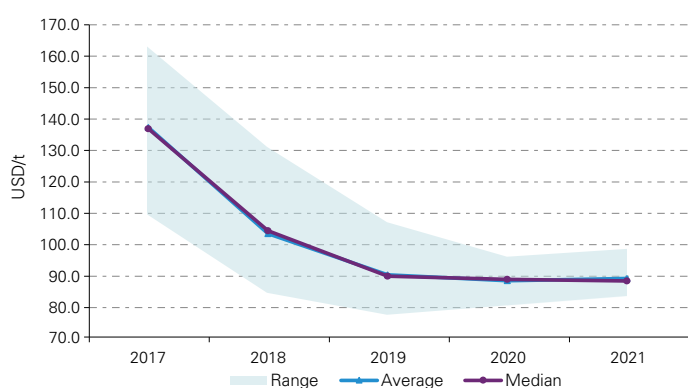
Low and ultra-low volatile PCI coal (USD/t Nominal)

Year ended 31 December	Reporting date	2017	2018	2019	2020	2021	LT (2017)
Contributor 3	11-Oct-17	146.0	96.0	98.0	101.0	105.0	90.0
Contributor 4	6-Oct-17	170.6	112.9	98.3	100.3	102.3	n/a
Contributor 14	28-Sep-17	133.0	104.0	100.0	92.0	n/a	100.0
Contributor 17	25-Sep-17	139.0	103.0	84.0	91.0	96.0	85.5
Contributor 18	25-Sep-17	153.8	125.0	95.0	95.0	95.0	95.0
Contributor 20	18-Sep-17	120.0	80.0	83.0	86.0	89.0	n/a
Low		120.0	80.0	83.0	86.0	89.0	85.5
High		170.6	125.0	100.0	101.0	105.0	100.0
Average		143.7	103.5	93.1	94.2	97.5	92.6
Median		142.5	103.5	96.5	93.5	96.0	92.5
Previous bulletin (June/July 17)							
Average		138.1	98.8	89.4	89.9	88.8	93.5
Median		130.5	99.0	89.0	89.5	88.5	95.0

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

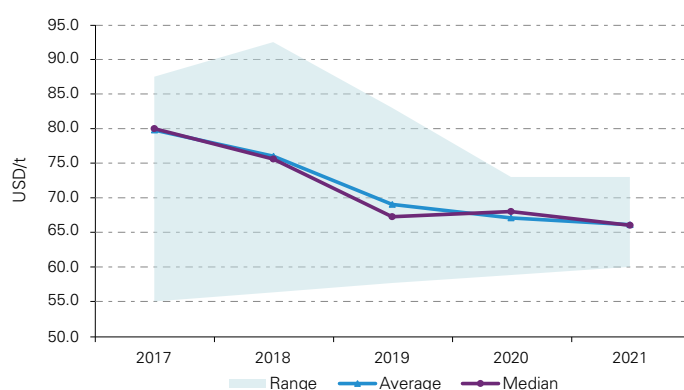
Semi-soft coking coal price forecasts

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	2017	2018	2019	2020	2021	LT (2017)
Contributor 2	12-Oct-17	162.5	130.5	106.5	95.5	n/a	81.0
Contributor 3	11-Oct-17	137.0	89.0	91.0	95.0	98.0	81.0
Contributor 7	3-Oct-17	138.0	112.0	96.0	93.0	93.0	93.0
Contributor 8	2-Oct-17	109.0	105.0	n/a	n/a	n/a	n/a
Contributor 11	1-Oct-17	150.5	84.0	n/a	n/a	n/a	n/a
Contributor 14	28-Sep-17	127.0	92.0	90.0	86.0	n/a	90.0
Contributor 17	25-Sep-17	134.0	105.0	77.0	80.0	83.0	70.5
Contributor 18	25-Sep-17	145.5	115.0	85.0	85.0	85.0	85.0
Low		109.0	84.0	77.0	80.0	83.0	70.5
High		162.5	130.5	106.5	95.5	98.0	93.0
Average		137.9	104.1	90.9	89.1	89.8	83.4
Median		137.5	105.0	90.5	89.5	89.0	83.0
Previous bulletin (June/July 17)							
Average		128.3	91.3	85.2	85.2	86.2	82.3
Median		122.0	89.0	85.0	85.5	84.5	83.0

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

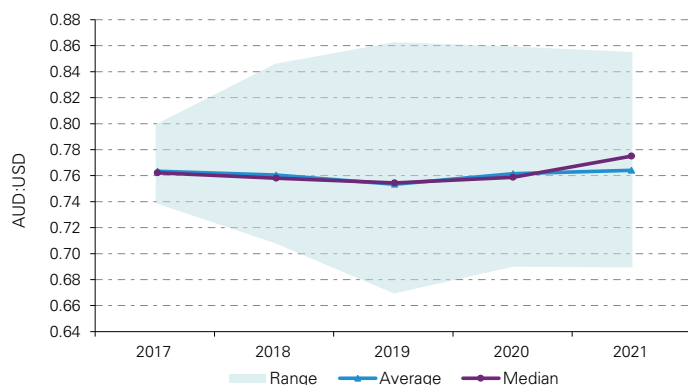
Newcastle thermal coal (USD/t Nominal)

Year ended 31 December	Reporting date	2017	2018	2019	2020	2021	LT (2017)
Contributor 2	12-Oct-17	87.5	92.5	82.5	72.5	n/a	60.0
Contributor 3	11-Oct-17	85.0	75.0	65.0	65.0	63.0	48.0
Contributor 4	6-Oct-17	55.0	56.3	57.7	58.8	60.0	n/a
Contributor 6	5-Oct-17	80.0	89.0	83.0	73.0	n/a	55.0
Contributor 7	3-Oct-17	86.0	78.0	71.0	72.0	73.0	70.0
Contributor 9	2-Oct-17	78.0	80.0	70.0	n/a	n/a	65.0
Contributor 10	1-Oct-17	82.5	75.6	67.3	n/a	n/a	n/a
Contributor 11	1-Oct-17	79.3	81.3	n/a	n/a	n/a	n/a
Contributor 12	30-Sep-17	78.0	70.0	68.0	n/a	n/a	67.0
Contributor 13	29-Sep-17	75.0	70.0	66.0	n/a	n/a	62.0
Contributor 14	28-Sep-17	82.0	73.0	65.0	63.0	n/a	65.0
Contributor 15	27-Sep-17	81.0	70.0	65.0	n/a	n/a	n/a
Contributor 16	25-Sep-17	78.2	82.5	n/a	n/a	n/a	n/a
Contributor 17	25-Sep-17	85.0	76.0	63.0	62.0	62.0	54.6
Contributor 18	25-Sep-17	77.8	75.0	70.0	70.0	70.0	65.0
Contributor 19	20-Sep-17	84.0	73.0	n/a	n/a	n/a	n/a
Contributor 20	18-Sep-17	76.0	81.0	78.0	68.0	69.0	n/a
Contributor 21	16-Sep-17	80.0	70.0	65.0	n/a	n/a	n/a
Contributor 23	1-Sep-17	86.8	77.5	n/a	n/a	n/a	n/a
Low		55.0	56.3	57.7	58.8	60.0	48.0
High		87.5	92.5	83.0	73.0	73.0	70.0
Average		79.8	76.1	69.1	67.1	66.2	61.2
Median		80.0	75.6	67.3	68.0	66.0	63.5
Previous bulletin (June/July 17)							
Average		77.0	70.5	65.4	63.9	63.8	60.1
Median		77.4	70.0	66.3	65.0	64.0	60.5

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	2017	2018	2019	2020	2021	LT (2017)
Contributor 1	16-Oct-17	0.77	0.76	0.74	0.76	0.78	0.82
Contributor 2	12-Oct-17	0.77	0.79	0.79	0.79	n/a	0.80
Contributor 3	11-Oct-17	0.75	0.77	0.77	n/a	n/a	n/a
Contributor 4	6-Oct-17	0.78	0.85	0.86	0.86	0.86	n/a
Contributor 5	29-Sep-17	0.80	0.79	0.79	0.78	0.78	0.78
Contributor 6	5-Oct-17	0.77	0.78	0.77	0.77	n/a	0.75
Contributor 7	3-Oct-17	0.76	0.75	0.75	n/a	n/a	n/a
Contributor 9	2-Oct-17	0.76	0.77	0.77	n/a	n/a	0.77
Contributor 10	1-Oct-17	0.76	0.71	0.67	0.69	0.71	n/a
Contributor 11	10-Oct-17	0.75	0.73	0.76	n/a	n/a	n/a
Contributor 12	30-Sep-17	0.76	0.73	0.73	n/a	n/a	0.70
Contributor 13	29-Sep-17	0.75	0.76	0.77	n/a	n/a	0.77
Contributor 14	28-Sep-17	0.75	0.74	0.75	0.75	n/a	0.75
Contributor 15	27-Sep-17	0.77	0.73	0.67	n/a	n/a	n/a
Contributor 16	25-Sep-17	0.78	0.79	n/a	n/a	n/a	n/a
Contributor 17	25-Sep-17	0.78	0.74	0.71	0.70	0.69	0.69
Contributor 18	25-Sep-17	0.74	0.73	0.73	0.74	0.74	0.75
Contributor 20	18-Sep-17	0.75	0.72	0.70	0.73	n/a	n/a
Contributor 22	11-Sep-17	0.77	0.83	0.83	0.81	0.80	n/a
Low		0.74	0.71	0.67	0.69	0.69	0.69
High		0.80	0.85	0.86	0.86	0.86	0.82
Average		0.76	0.76	0.75	0.76	0.76	0.76
Median		0.76	0.76	0.76	0.76	0.78	0.76
Previous bulletin (June/July 17)							
Average		0.75	0.73	0.73	0.75	0.75	0.76
Median		0.75	0.74	0.74	0.75	0.75	0.75

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

Contact us

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