



Coal Price and FX consensus forecasts

September/October 2016

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 2016. 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 2016).

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 (2016) 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 (2016) 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.

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.

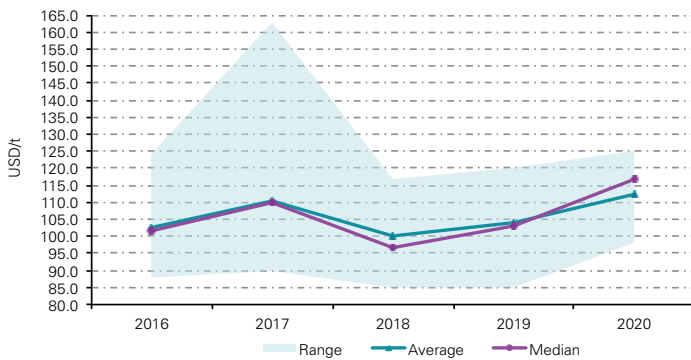
The forecast data presented in this report represents an unbiased summary of commodity price and exchange rate forecasts, based on the views of individual economic commentators and broking houses. It is not necessarily reflective of either KPMG's views on coal price or exchange rate forecasts, or our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

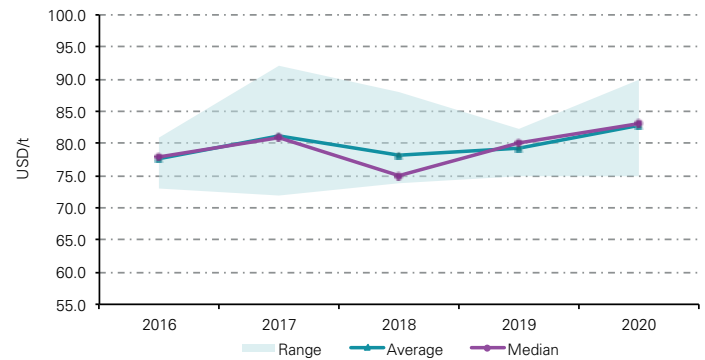
Hard coking coal price forecasts

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	2016	2017	2018	2019	2020	LT (2016)
Contributor 1	14-Oct-16	124.0	163.0	n/a	n/a	n/a	102.0
Contributor 2	7-Oct-16	101.0	101.0	85.0	85.0	n/a	85.0
Contributor 3	6-Oct-16	111.5	96.0	85.0	n/a	n/a	n/a
Contributor 4	5-Oct-16	97.0	114.0	117.0	120.0	122.0	110.0
Contributor 5	5-Oct-16	98.0	95.0	93.0	95.0	98.0	115.0
Contributor 6	4-Oct-16	109.0	111.0	95.0	106.0	117.0	127.0
Contributor 7	3-Oct-16	107.0	121.0	115.0	120.0	125.0	105.0
Contributor 8	3-Oct-16	90.0	100.0	95.0	100.0	100.0	120.0
Contributor 9	3-Oct-16	106.0	131.0	115.0	n/a	n/a	106.8
Contributor 10	2-Oct-16	102.0	111.0	106.0	103.0	111.0	109.5
Contributor 13	27-Sep-16	88.0	94.0	98.0	95.0	n/a	n/a
Contributor 16	19-Sep-16	100.0	110.0	110.0	115.0	120.0	106.1
Contributor 17	7-Sep-16	108.0	119.0	100.0	100.0	100.0	n/a
Contributor 18	3-Sep-16	95.6	101.3	95.0	105.3	118.5	105.0
Contributor 19	31-Aug-16	n/a	89.6	92.6	n/a	n/a	n/a
Low		88.0	89.6	85.0	85.0	98.0	85.0
High		124.0	163.0	117.0	120.0	125.0	127.0
Average		102.7	110.5	100.1	104.0	112.4	108.3
Median		101.5	110.0	96.5	103.0	117.0	106.8
Previous bulletin (June/July 2016)							
Average		86.7	90.0	94.5	98.3	102.6	105.1
Median		86.9	90.0	95.0	100.0	105.0	105.0

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

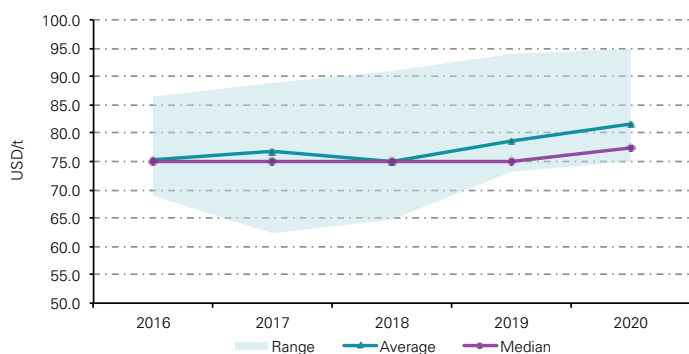
Low and ultra-low volatile PCI coal (USD/t Nominal)

Year ended 31 December	Reporting date	2016	2017	2018	2019	2020	LT (2016)
Contributor 5	5-Oct-16	78.0	76.0	75.0	77.0	79.0	86.0
Contributor 8	3-Oct-16	76.8	85.0	75.0	75.0	75.0	95.0
Contributor 10	2-Oct-16	81.0	92.0	88.0	82.0	87.0	n/a
Contributor 13	27-Sep-16	73.0	79.0	82.0	80.0	n/a	n/a
Contributor 18	3-Sep-16	78.8	83.0	74.8	82.3	90.0	80.0
Contributor 19	31-Aug-16	n/a	71.9	73.9	n/a	n/a	n/a
Low		73.0	71.9	73.9	75.0	75.0	80.0
High		81.0	92.0	88.0	82.3	90.0	95.0
Average		77.5	81.1	78.1	79.3	82.8	87.0
Median		78.0	81.0	75.0	80.0	83.0	86.0
Previous bulletin (June/July 2016)							
Average		73.5	75.4	77.2	81.3	84.0	86.7
Median		73.0	75.0	76.0	81.0	84.5	86.0

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:



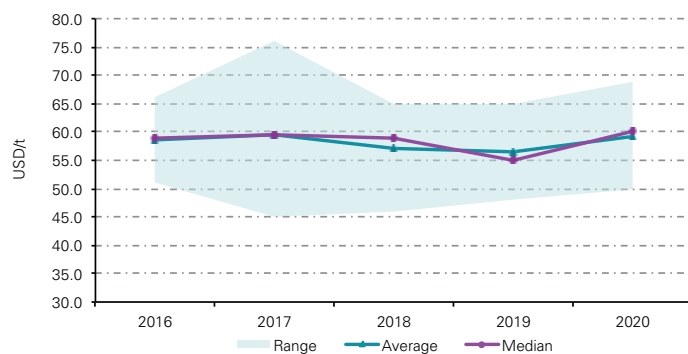
Semi-soft coking coal (USD/t Nominal)

Year ended 31 December	Reporting date	2016	2017	2018	2019	2020	LT (2016)
Contributor 3	6-Oct-16	86.5	75.0	66.0	n/a	n/a	n/a
Contributor 4	5-Oct-16	78.0	89.0	91.0	94.0	95.0	86.0
Contributor 5	5-Oct-16	75.0	74.0	73.0	74.0	76.0	86.0
Contributor 7	3-Oct-16	78.0	85.0	81.0	84.0	88.0	76.0
Contributor 8	3-Oct-16	69.0	75.0	75.0	75.0	75.0	85.0
Contributor 10	2-Oct-16	70.0	80.0	77.0	74.0	76.0	n/a
Contributor 13	27-Sep-16	71.0	75.0	78.0	76.0	n/a	n/a
Contributor 18	3-Sep-16	75.0	76.5	69.0	73.3	79.0	70.0
Contributor 19	31-Aug-16	n/a	62.3	64.8	n/a	n/a	n/a
Low		69.0	62.3	64.8	73.3	75.0	70.0
High		86.5	89.0	91.0	94.0	95.0	86.0
Average		75.3	76.9	75.0	78.6	81.5	80.6
Median		75.0	75.0	75.0	75.0	77.5	85.0
Previous bulletin (June/July 2016)							
Average		68.5	69.4	73.3	76.3	80.0	79.1
Median		70.0	68.0	73.0	74.8	78.5	80.0

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:



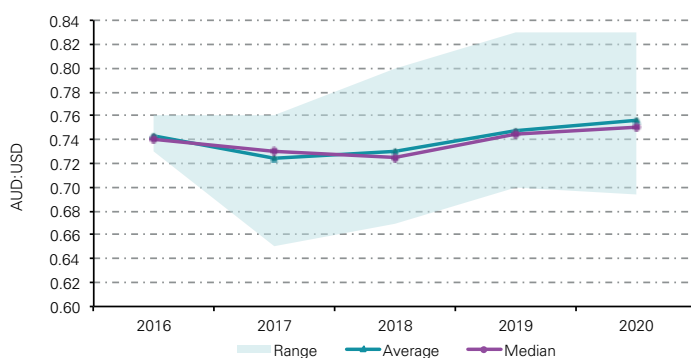
Newcastle thermal coal (USD/t Nominal)

Year ended 31 December	Reporting date	2016	2017	2018	2019	2020	LT (2016)
Contributor 1	14-Oct-16	66.0	76.0	n/a	n/a	n/a	55.0
Contributor 2	7-Oct-16	56.0	55.0	55.0	55.0	n/a	55.0
Contributor 3	6-Oct-16	62.0	64.3	61.7	n/a	n/a	n/a
Contributor 4	5-Oct-16	56.0	57.0	60.0	65.0	69.0	70.0
Contributor 5	5-Oct-16	59.0	52.0	46.0	48.0	52.0	60.0
Contributor 6	4-Oct-16	61.0	63.0	59.0	59.0	59.0	54.0
Contributor 7	3-Oct-16	58.0	58.0	55.0	53.0	50.0	48.0
Contributor 8	3-Oct-16	51.0	45.0	50.0	55.0	60.0	65.0
Contributor 9	3-Oct-16	63.0	64.0	65.0	n/a	n/a	60.4
Contributor 10	2-Oct-16	60.0	64.0	59.0	60.0	62.0	56.9
Contributor 11	1-Oct-16	57.7	60.4	59.3	n/a	n/a	n/a
Contributor 13	27-Sep-16	54.0	55.0	55.0	55.0	n/a	n/a
Contributor 14	23-Sep-16	59.5	63.0	60.0	n/a	n/a	55.0
Contributor 15	22-Sep-16	58.0	60.0	60.0	n/a	n/a	n/a
Contributor 18	3-Sep-16	59.4	59.0	56.5	58.0	62.0	55.0
Contributor 19	31-Aug-16	n/a	55.2	56.7	n/a	n/a	n/a
Low		51.0	45.0	46.0	48.0	50.0	48.0
High		66.0	76.0	65.0	65.0	69.0	70.0
Average		58.7	59.4	57.2	56.4	59.1	57.7
Median		59.0	59.5	59.0	55.0	60.0	55.0
Previous bulletin (June/July 2016)							
Average		53.1	51.8	53.0	54.6	55.1	59.7
Median		51.8	52.0	53.5	55.0	56.0	58.5

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	2016	2017	2018	2019	2020	LT (2016)
Contributor 1	14-Oct-16	0.74	0.75	n/a	n/a	n/a	0.80
Contributor 2	7-Oct-16	0.75	0.76	0.76	0.76	n/a	0.76
Contributor 3	15-Sep-16	0.75	0.70	0.69	n/a	n/a	n/a
Contributor 4	5-Oct-16	0.74	0.71	0.71	0.74	0.76	0.80
Contributor 5	5-Oct-16	0.74	0.75	0.80	0.83	0.83	0.83
Contributor 6	4-Oct-16	0.74	0.71	0.69	0.70	0.72	0.75
Contributor 7	3-Oct-16	0.76	0.73	0.73	0.74	0.75	0.75
Contributor 8	3-Oct-16	0.75	0.74	0.75	0.75	0.75	0.75
Contributor 9	3-Oct-16	0.74	0.74	0.78	n/a	n/a	0.80
Contributor 10	29-Sep-16	0.74	0.75	n/a	n/a	n/a	0.85
Contributor 11	1-Oct-16	0.74	0.72	0.71	0.70	0.69	n/a
Contributor 13	27-Sep-16	0.74	0.72	0.72	0.73	n/a	n/a
Contributor 15	22-Sep-16	0.73	0.67	0.67	n/a	n/a	n/a
Contributor 16	22-Sep-16	0.74	0.65	n/a	n/a	n/a	n/a
Contributor 17	7-Sep-16	0.75	0.71	0.72	0.78	0.79	n/a
Contributor 18	3-Sep-16	0.74	0.75	0.75	0.75	0.75	0.75
Contributor 19	31-Aug-16	n/a	0.74	0.74	n/a	n/a	n/a
Low		0.73	0.65	0.67	0.70	0.69	0.75
High		0.76	0.76	0.80	0.83	0.83	0.85
Average		0.74	0.72	0.73	0.75	0.76	0.78
Median		0.74	0.73	0.73	0.75	0.75	0.78
Previous bulletin (June/July 2016)							
Average		0.73	0.71	0.72	0.75	0.75	0.76
Median		0.73	0.72	0.72	0.74	0.74	0.76

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

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