

BHP BILLITON LTD  
Form 6-K  
July 19, 2017

**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**  
**Form 6-K**  
**REPORT OF FOREIGN PRIVATE ISSUER**  
**PURSUANT TO RULE 13a-16 OR 15d-16**  
**UNDER THE SECURITIES EXCHANGE ACT OF 1934**  
**July 19, 2017**

**BHP BILLITON LIMITED**

**(ABN 49 004 028 077)**

**(Exact name of Registrant as specified in its charter)**

**VICTORIA, AUSTRALIA**

**(Jurisdiction of incorporation or organisation)**

**171 COLLINS STREET, MELBOURNE,**

**VICTORIA 3000 AUSTRALIA**

**(Address of principal executive offices)**

**BHP BILLITON PLC**

**(REG. NO. 3196209)**

**(Exact name of Registrant as specified in its  
charter)**

**ENGLAND AND WALES**

**(Jurisdiction of incorporation or organisation)**

**NOVA SOUTH, 160 VICTORIA STREET**

**LONDON, SW1E 5LB**

**UNITED KINGDOM**

**(Address of principal executive offices)**

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## NEWS RELEASE

**Release Time** IMMEDIATE

**Date** 19 July 2017

**Release Number** 19/17

**BHP OPERATIONAL REVIEW FOR THE YEAR ENDED 30 JUNE 2017**

**Achieved full year production guidance for petroleum and iron ore, with annual production records at Western Australia Iron Ore (WAIO), Spence and two Queensland Coal mines.**

**Lower copper production reflected the impact of industrial action at Escondida and the power outage and unplanned maintenance at Olympic Dam. Lower metallurgical coal volumes as a result of damage to third party rail infrastructure caused by Cyclone Debbie.**

**We expect to achieve full year unit cost guidance at WAIO and Conventional petroleum, however industrial action and Cyclone Debbie have impacted unit costs at Escondida and Queensland Coal respectively.**

**Group copper equivalent production expected to increase by 7% in the 2018 financial year.**

**In Onshore US, development activity is increasing with up to 10 rigs operating in the 2018 financial year.**

**Divestment of non-core Onshore US acreage is progressing, with the sale of a portion of the southern Hawkville anticipated in the September 2017 quarter.**

**In Petroleum exploration, drilling of the Wildling-2 appraisal well in the Gulf of Mexico is continuing, with results expected in the September 2017 quarter.**

**All major projects under development are tracking to plan.**

<b>Production</b>	<b>FY17</b>	<b>vs FY16</b>	
Petroleum (MMboe)	208	(13%)	Deferral of development activity in Onshore US for value and natural field decline in Conventional assets.
Copper (kt)	1,326	(16%)	Reduced volumes following industrial action at Escondida and the power outage and unplanned maintenance at Olympic Dam.
Iron ore <sup>(1)</sup> (Mt)	231	4%	Record WAIO volumes reflects productivity improvements across the supply chain and additional capacity at Jimblebar.

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Metallurgical coal <sup>(1)</sup> (Mt)	40	(6%)	Record volumes at two Queensland Coal mines more than offset by the impacts from Cyclone Debbie.
Energy coal <sup>(1)</sup> (Mt)	29	7%	Strong performance at both NSWEC and Cerrejón.

BHP Chief Executive Officer, Andrew Mackenzie said: Our people have stepped up to unlock low-cost latent capacity and achieve strong productivity gains across our tier one assets.

Improved productivity led to record annual production at Western Australia Iron Ore, Spence and two Queensland Coal mines while production guidance was achieved by Petroleum and Western Australia Iron Ore. Copper production is expected to rebound strongly in the 2018 financial year with the commissioning of the Escondida Water Supply project and ramp-up of the Los Colorados Extension project during the September 2017 quarter to enable utilisation of Escondida's three concentrators.

In Petroleum, the recently approved Mad Dog phase 2 project will extend low-risk oil volumes as supply tightens while in the near-term, Onshore US development activity is to increase with up to 10 rigs planned for the 2018 financial year.

Our relentless focus on safety, productivity and capital discipline will support strong growth in shareholder value.

**Summary****Operational performance**

Production for the 2017 financial year and guidance for the 2018 financial year are summarised in the table below.

<b>Production</b>	<b>FY17</b>	<b>Jun 2017 Qtr</b>	<b>FY17 vs FY16</b>	<b>Jun Q17 vs Jun Q16</b>	<b>Jun Q17 vs Mar Q17</b>	<b>FY18 guidance</b>	<b>FY18e vs FY17</b>
Petroleum (MMboe)	208	52	(13%)	(7%)	3%	180 -190	(9%) - (13%)
Onshore US (MMboe)	80	20	(26%)	(15%)	(4%)	61 - 67	(16%) - (24%)
Conventional (MMboe)	128	32	(2%)	(2%)	7%	119 -123	(4%) -(7%)
Copper (kt)	1,326	387	(16%)	(6%)	71%	1,655 -1,790	25% - 35%
Escondida (kt)	772	225	(21%)	(16%)	138%	1,130 -1,230	46% - 59%
Other copper <sup>(i)</sup> (kt)	554	162	(8%)	12%	23%	525 -560	(5%) - 1%
Iron ore <sup>(ii)</sup> (Mt)	231	60	4%	8%	12%	239 -243	3% - 5%
WAO (100% basis) (Mt)	268	70	4%	8%	12%	275 -280 <sup>(iii)</sup>	3% - 4%
Metallurgical coal <sup>(ii)</sup> (Mt)	40	8	(6%)	(27%)	(16%)	44 - 46	10% - 15%
Energy coal <sup>(ii)</sup> (Mt)	29	8	7%	30%	10%	29 - 30	0% - 3%

(i) Other copper comprises Pampa Norte, Olympic Dam and Antamina.

(ii) Excludes production from Samarco, Haju (IndoMet Coal) and New Mexico Coal.

(iii) Subject to regulatory approvals to increase capacity above 270 Mt.

**Major development projects**

During the year, the Bass Strait Longford Gas Conditioning Plant was fully commissioned and is running at design capacity, enabling full production from the Turrum and Kipper fields. The BHP Board also approved the Mad Dog Phase 2 project in the deepwater Gulf of Mexico. The Escondida Water Supply project achieved mechanical completion in the December 2016 quarter and was transitioned to operations effective 1 July 2017, following completion of project commissioning in June 2017.

At the end of the 2017 financial year, BHP had three major projects under development in Petroleum and Potash, with a combined budget of US\$5.1 billion over the life of the projects.

**Corporate update**

BHP expects to record exceptional items of US\$546 million (US\$740 million post-tax) in the second half of the 2017 financial year. These items relate to idle capacity and other strike-related costs incurred as a result of the Escondida industrial action in the March 2017 quarter and Chilean withholding tax on a one-off dividend paid while a concessional tax rate was available.

**Exceptional items to be recognised in the June 2017 half year**

<b>Charges/(credits)</b>	<b>Loss before taxation</b>	<b>Taxation</b>	<b>Loss after taxation</b>
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**(US\$ million)**

Escondida industrial action costs	546	(179)	367
Withholding tax on Chilean dividends		373	373

On 18 January 2017, Samarco and its shareholders, Vale S.A. and BHP Billiton Brasil, entered into a preliminary agreement with the Federal Prosecutors Office in Brazil in relation to the Samarco dam failure (Preliminary Agreement). The Preliminary Agreement outlines the process and timeline for negotiation of a settlement of the BRL 155 billion (approximately US\$47.5 billion) and BRL 20 billion (approximately US\$6.1 billion) Public Civil Claims relating to the dam failure. The Court has extended the final date for negotiation of a settlement until 30 October 2017, allowing for the continuation of the interim security arrangements provided to the Court on 24 January 2017 and the provision of ongoing expert advice to the Federal Prosecutors in respect of the remediation and compensation programs identified under the Framework Agreement.

On 30 June 2017, BHP announced a total of US\$250 million in financial support for the Renova Foundation and Samarco until 31 December 2017. The amount of US\$174 million will be used to fund the Renova Foundation and will be offset against the Group's provision for the Samarco dam failure. A short-term facility of up to US\$76 million will be made available to Samarco to carry out remediation and stabilisation work and to support Samarco's operations. These funds will be released to Samarco only as required, and subject to achievement of key milestones. For the second half of the 2017 financial year, we are not yet in a position to provide an update to the ongoing potential financial impacts on BHP Billiton Brasil of the Samarco dam failure. Any financial impacts will continue to be classified as an exceptional item.

The above guidance will be updated should material information or events arise as the Group finalises its financial statements.

On 16 June 2017, the BHP Board elected Ken MacKenzie to succeed Jac Nasser as Chairman. Mr MacKenzie will assume the role of Chairman effective 1 September 2017, following Mr Nasser's retirement as both Chairman and a Non-executive Director.

In July 2017, BHP filed an amendment to its 2016 20-F (2016 20-F/A) to restate its 2016 report on internal controls over financial reporting, as deficiencies were identified in the controls and processes that were used to determine the impairments of certain Onshore US assets. The identified deficiencies did not require any change to the carrying values of the Company's Onshore US assets at 31 December 2016 or any prior period and there is no need for a restatement of any of the Group's financial statements. A remediation plan has been implemented and we expect to confirm the controls are operating effectively as part of the 2017 financial year annual reporting process.

### *Marketing update*

The average realised prices achieved for our major commodities are summarised in the table below. The majority of iron ore shipments were linked to the index price for the month of shipment, with price differentials predominantly a reflection of product quality and market fundamentals. The majority of metallurgical coal and energy coal exports were linked to the index price for the month of shipment or sold on the spot market at fixed or index-linked prices, with price differentials reflecting product quality.

Average realised prices <sup>(i)</sup>	Jun H17	Dec H16	FY17	FY16	FY17	Jun H17	Jun H17
					vs	vs	vs
					FY16	Jun H16	Dec H16
Oil (crude and condensate) (US\$/bbl)	<b>50</b>	45	<b>48</b>	39	23%	35%	11%
Natural gas (US\$/Mscf) <sup>(ii)</sup>	<b>3.48</b>	3.21	<b>3.34</b>	2.83	18%	27%	8%
US natural gas (US\$/Mscf)	<b>2.98</b>	2.79	<b>2.88</b>	2.16	33%	52%	7%
LNG (US\$/Mscf)	<b>7.37</b>	6.35	<b>6.84</b>	7.71	(11%)	4%	16%
Copper (US\$/lb)	<b>2.70</b>	2.41	<b>2.54</b>	2.14	19%	25%	12%
Iron ore (US\$/wmt, FOB)	<b>62</b>	55	<b>58</b>	44	32%	41%	13%
Hard coking coal (US\$/t)	<b>180</b>	179	<b>180</b>	83	117%	117%	1%
Weak coking coal (US\$/t)	<b>121</b>	122	<b>121</b>	69	75%	73%	(1%)
Thermal coal (US\$/t) <sup>(iii)</sup>	<b>75</b>	74	<b>75</b>	48	56%	63%	1%
Nickel metal (US\$/t)	<b>9,799</b>	10,581	<b>10,184</b>	9,264	10%	11%	(7%)

(i) Based on provisional, unaudited estimates. Prices exclude third party product and internal sales, and represent the weighted average of various sales terms (for example: FOB, CIF and CFR), unless otherwise noted. Includes the

impact of provisional pricing and finalisation adjustments. In Copper, the adjustment will increase Underlying EBITDA by US\$27 million in the 2017 financial year.

(ii) Includes internal sales.

(iii) Export sales only; excludes Cerrejón. Includes thermal coal sales from metallurgical coal mines.

At 30 June 2017, the Group had 254 kt of outstanding copper sales that were revalued at a weighted average price of US\$2.69 per pound. The final price of these sales will be determined in the 2018 financial year. In addition, 316 kt of copper sales from the 2016 financial year were subject to a finalisation adjustment in the current period. The provisional pricing and finalisation adjustments will increase Underlying EBITDA<sup>(2)</sup> by US\$27 million in the 2017 financial year.



**Petroleum****Production**

	FY17	Jun 2017 Qtr	FY17 vs FY16	Jun Q17 vs Jun Q16	Jun Q17 vs Mar Q17
Crude oil, condensate and natural gas liquids (MMboe)	97	24	(16%)	(9%)	(3%)
Natural gas (bcf)	668	167	(10%)	(6%)	8%
<b>Total petroleum production (MMboe)</b>	<b>208</b>	<b>52</b>	<b>(13%)</b>	<b>(7%)</b>	<b>3%</b>

**Total petroleum production** Total petroleum production for the 2017 financial year decreased by 13 per cent to 208 MMboe.

Petroleum production is forecast to decrease to between 180 and 190 MMboe in the 2018 financial year.

In Onshore US, volumes are expected to decline to between 61 and 67 MMboe as production from the phased ramp-up of development activity is more than offset by natural field decline. The expanded rig program is forecast to deliver production growth of approximately 35 per cent in the 2019 financial year, with investment plans subject to market conditions.

In our Conventional business, volumes are expected to decrease to between 119 and 123 MMboe as infill drilling and brownfield projects are more than offset by planned maintenance at Mad Dog and natural field decline across the portfolio.

**Crude oil, condensate and natural gas liquids** Production for the 2017 financial year decreased by 16 per cent to 97 MMboe.

Onshore US liquids volumes decreased by 29 per cent to 34 MMboe as value accretive deferral of activity in the Black Hawk and natural field decline across all fields were partially offset by increased production from the Permian.

Conventional liquids volumes decreased by eight per cent to 63 MMboe as an additional infill well at Mad Dog and higher production at North West Shelf and Algeria partially offset planned maintenance at Atlantis and natural field decline across the portfolio.

**Natural gas** Production for the 2017 financial year declined by 10 per cent to 668 bcf.

Divestment of our Pakistan gas business in December 2015 and lower Onshore US gas volumes as a result of deferred development activity for value, were partially offset by strong performance at Bass Strait and Macedon and increased LNG volumes at North West Shelf.

**Projects**

<b>Project and ownership</b>	<b>Capital expenditure</b>	<b>Initial production</b>	<b>Capacity</b>	<b>Progress</b>
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	(US\$m)	target date		
North West Shelf Greater Western Flank-B (Australia)	314	CY19	To maintain LNG plant throughput from the North West Shelf operations.	On schedule and budget. The overall project is 47% complete.
16.67% (non-operator)				
Mad Dog Phase 2 (US Gulf of Mexico)	2,154	CY22	New floating production facility with the capacity to produce up to 140,000 gross barrels of crude oil per day.	On schedule and budget. The overall project is 3% complete.
23.9% (non-operator)				

Petroleum capital expenditure for the 2017 financial year declined by approximately 41 per cent to US\$1.5 billion. In the 2018 financial year we expect an increase to approximately US\$2.0 billion (including higher forecast capital creditor movements of approximately US\$0.2 billion, the majority relating to Onshore US). This includes Conventional capital expenditure of US\$0.8 billion, which remains focused on high-return infill drilling opportunities in the Gulf of Mexico, a life extension project at North West Shelf along with investments related to the recently approved Mad Dog Phase 2 project.

**Onshore US development activity**

Onshore US drilling and development expenditure for the 2017 financial year was approximately US\$554 million. During the June 2017 quarter, our operated rig count increased to five, as two additional rigs commenced operations in the Haynesville.

<b>FY17</b>		<b>Liquids focused areas</b>			<b>Gas focused areas</b>	
<b>(FY16)</b>		<b>Eagle Ford</b>	<b>Permian</b>	<b>Haynesville</b>	<b>Fayetteville</b>	<b>Total</b>
Capital expenditure <sup>(i)</sup>	US\$ billion	0.3 (0.8)	0.2 (0.4)	0.1 (0.0)	0.0 (0.0)	0.6 (1.2)
Rig allocation	At period end	1 (2)	1 (2)	3 (0)	0 (0)	5 (4)
Net wells drilled and completed <sup>(ii)</sup>	Period total	51 (89)	21 (30)	5 (5)	2 (11)	79 (136)
Net productive wells	At period end	963 (929)	126 (107)	394 (411)	1,044 (1,086)	2,527 (2,533)

(i) Includes land acquisition, site preparation, drilling, completions, well site facilities, mid-stream infrastructure and pipelines.

(ii) Can vary between periods based on changes in rig activity and the inventory of wells drilled but not yet completed at period end.

Onshore US capital expenditure is expected to be approximately US\$1.2 billion in the 2018 financial year. Our plan considers up to five additional rigs.

Evaluation of trials in the Black Hawk are expected to be completed in the September 2017 quarter and, subject to approval, one additional rig will commence toward the end of that quarter.

One rig has recently commenced operations in the Hawkville executing a 14 well program that will include a mix of completion trials and acreage retention drilling.

In the Permian, the current rig will focus on near-term lease obligations while an additional one to two rigs will continue to focus on completion trials that will inform a transition to full pad development as early as the 2019 financial year.

One additional rig is expected to commence in the Haynesville in the September 2017 quarter. Further, our hedging strategy allows us to reduce price risk and secure average rates of return in excess of 20 per cent.

At this point we do not anticipate any operated development in the Fayetteville, however we continue to work with joint venture partners to assess the potential of the Moorefield horizon through non-operated activity. The divestment of non-core acreage for value is progressing, with the sale of a portion of the southern Hawkville anticipated to be executed in the September 2017 quarter. Our Fayetteville acreage is currently under review and we are considering all options including divestment.

***Petroleum exploration***

Exploration and appraisal wells drilled during the June 2017 quarter are summarised below.

<b>Well</b>	<b>Location</b>	<b>Target</b>	<b>BHP equity</b>	<b>Spud date</b>	<b>Water depth</b>	<b>Total well depth</b>	<b>Status</b>
Wildling-2	US Gulf of Mexico	Oil	100%	15 April 2017	1,267 m	8,928 m	Drilling ahead
	GC520		(Operator)				

The Wildling-2 well was spud on 15 April 2017 and drilling is in progress, with results expected in the September 2017 quarter. The Scimitar exploration well is expected to be spud in the September 2017 quarter.

In Mexico, BHP has commenced working in partnership with Pemex to plan and execute, during the next 24 months, the Minimum Work Program for blocks AE-0092 and AE-0093 consisting of one appraisal well, one exploration well and the acquisition of additional seismic data.

In Trinidad and Tobago, we continued appraisal work to assess the potential commercialisation of the gas discovery at LeClerc and to prepare for deepwater oil exploration in Phase 2, which is expected to commence in the second half of the 2018 financial year.

In the US Gulf of Mexico, BHP was the apparent high bidder on two leases adjacent to the Scimitar prospect (GC260 and GC304) in the Central Gulf of Mexico Lease Sale 247. BHP (28.32 per cent equity interest), with BP (Operator), was the apparent high bidder on two leases adjacent to the Mad Dog field (GC738 and GC870). All four leases were awarded by the Regulator during the June 2017 quarter.

In Australia, BHP has completed its evaluation of the WA-480-P permit in the Northern Beagle sub-basin and has elected to exit this exploration permit. Acquisition of the seismic survey in the Exmouth sub-basin was completed on 1 May 2017. Processed data will be delivered during the June 2018 quarter.

Petroleum exploration expenditure for the 2017 financial year was US\$805 million, of which US\$473 million was expensed. We are pursuing high-quality oil plays in our priority basins and an US\$840 million exploration program is planned for the 2018 financial year taking advantage of low rig rates. This program includes one well in the US Gulf of Mexico, three wells in Trinidad and Tobago, and one well in Mexico.

**Copper****Production**

	FY17	Jun 2017 Qtr	FY17 vs FY16	Jun Q17 vs Jun Q16	Jun Q17 vs Mar Q17
Copper (kt)	1,326	387	(16%)	(6%)	71%
Zinc (t)	87,502	29,076	58%	349%	41%
Uranium oxide concentrate (t)	3,661	737	(16%)	(16%)	(22%)

**Copper** Total copper production for the 2017 financial year decreased by 16 per cent to 1.3 Mt. Total copper production is forecast to increase to between 1,655 and 1,790 kt in the 2018 financial year.

Escondida copper production for the 2017 financial year decreased by 21 per cent to 772 kt. The decrease was due to: a four day site-wide suspension of operations following a fatality in October 2016, 44 days of industrial action in the March 2017 quarter and severe weather in early June 2017, reducing production by 21 kt, 214 kt and 12 kt, respectively. Copper production of between 1,130 and 1,230 kt is expected in the 2018 financial year, supported by the ramp-up of the Los Colorados Extension project during the September 2017 quarter, enabling utilisation of three concentrators.

Pampa Norte copper production for the 2017 financial year increased by one per cent to 254 kt, supported by record cathode production and ore milled at Spence following the completion of the Recovery Optimisation project. Pampa Norte copper production for the 2018 financial year is expected to be higher than the prior year.

Olympic Dam copper production for the 2017 financial year decreased by 18 per cent to 166 kt following the state-wide power outage during September and October 2016 and unplanned maintenance at the refinery during December 2016 and January 2017. Copper production of 150 kt is expected in the 2018 financial year as a major smelter maintenance campaign is phased through August to November 2017, including a rebuild of the electric slag furnace, the flash furnace and the electro static precipitator. This is the largest maintenance program undertaken by BHP at Olympic Dam and on completion, the improved operational performance will underpin an expected increase in copper production to approximately 215 kt in the 2019 financial year. This will provide a stable base for the potential to increase capacity to 280 kt in the 2022 financial year.

Antamina copper production for the 2017 financial year decreased by nine per cent to 134 kt as record material mined was more than offset by lower copper grades as mining progressed through a zinc rich ore zone. Copper production is expected to decrease in the 2018 financial year to approximately 125 kt, as mining continues through a zinc rich ore zone consistent with the mine plan. Zinc production is expected to increase from 88 kt to approximately 100 kt in the 2018 financial year.

**Iron Ore*****Production***

	<b>FY17</b>	<b>Jun 2017 Qtr</b>	<b>FY17 vs FY16</b>	<b>Jun Q17 vs Jun Q16</b>	<b>Jun Q17 vs Mar Q17</b>
Iron ore <sup>(i)</sup> (kt)	231,352	60,141	4%	8%	12%

(i) Represents Western Australia Iron Ore (WAIO). Excludes production from Samarco.

**Iron ore** Total iron ore production for the 2017 financial year increased by four per cent to 231 Mt, or 268 Mt on a 100 per cent basis. WAIO production is expected to increase to between 239 and 243 Mt, or between 275 and 280 Mt on a 100 per cent basis, in the 2018 financial year. BHP will continue to work with the relevant authorities to obtain the necessary approvals to increase system capacity to 290 Mtpa (100 per cent basis).

Record annual production of 268 Mt (100 per cent basis) at WAIO reflects strong productivity improvements across the supply chain as well as the commissioning of a new primary crusher and additional conveying capacity at Jimblebar. Following recovery from the wet season, WAIO produced at a record annualised rate of 280 Mt (100 per cent basis) in the June 2017 quarter. The rail renewal and maintenance program was completed in May 2017.

In June 2017, BHP approved initial funding of US\$184 million (BHP share) for the South Flank sustaining mine project. The initial funding will be used primarily for the expansion of accommodation facilities to support construction and future operational workforce requirements. The South Flank project, which will leverage and expand the existing Mining Area C hub, is BHP's preferred option to replace production from the 80 Mtpa (100 per cent basis) Yandi mine when it reaches the end of its economic life in the early-to-mid 2020s. The project is expected to be submitted for Board approval in the middle of the 2018 calendar year and, if approved, first ore is targeted in the 2021 calendar year with ramp-up timed to coincide with the ramp-down of Yandi. The capital cost for South Flank is expected to be in the range of US\$30 to US\$40 per tonne, with expenditure fitting within WAIO's previously indicated average annual sustaining capital expenditure of US\$4 per tonne over the next five years.

Mining and processing operations at Samarco remain suspended following the failure of the Fundão tailings dam and Santarém water dam on 5 November 2015.

## Coal

### Production

	FY17	Jun 2017 Qtr	FY17 vs FY16	Jun Q17 vs Jun Q16	Jun Q17 vs Mar Q17
Metallurgical coal <sup>(i)</sup> (kt)	39,770	8,494	(6%)	(27%)	(16%)
Energy coal <sup>(ii)</sup> (kt)	29,135	8,186	7%	30%	10%

(i) Represents Queensland Coal. Excludes production from Haju following the divestment of IndoMet Coal (2017 financial year: 129 kt).

(ii) Excludes production from New Mexico Coal following divestments (2017 financial year: 451 kt).

**Metallurgical coal** Metallurgical coal production for the 2017 financial year decreased by six per cent to 40 Mt. Production is expected to increase to between 44 and 46 Mt in the 2018 financial year.

At Queensland Coal, production for the 2017 financial year was lower as a result of damage caused by Cyclone Debbie to the network infrastructure of rail track provider Aurizon. Mine operations recovered quickly after the cyclone, as dewatering infrastructure installed after the 2011 floods worked as designed. Force majeure was declared for all Queensland Coal products on 5 April 2017 and was lifted on 1 July 2017.

Despite the impacts of Cyclone Debbie, Peak Downs and Saraji achieved record annual production underpinned by improved stripping and mining performance, and utilisation of latent wash-plant capacity, including approximately 2 Mt trucked to Caval Ridge (100 per cent). Three additional mines were on track for record production prior to Cyclone Debbie.

The Caval Ridge Southern Circuit latent capacity project is progressing according to plan, with production expected to ramp-up early in the 2019 financial year.

**Energy coal** Energy coal production for the 2017 financial year increased by seven per cent to 29 Mt. Production is expected to remain broadly unchanged at approximately 29 to 30 Mt in the 2018 financial year.

New South Wales Energy Coal production increased by six per cent as it benefitted from a lower strip ratio and additional bypass coal. Cerrejón production increased by nine per cent compared to the prior year, which was constrained by drought conditions.



**Other****Nickel production**

	FY17	Jun 2017 Qtr	FY17 vs FY16	Jun Q17 vs Jun Q16	Jun Q17 vs Mar Q17
Nickel (kt)	85.1	25.2	5%	8%	33%

**Nickel** Nickel West production for the 2017 financial year increased by five per cent to 85.1 kt. Debottlenecking activities at the Kwinana refinery have resulted in record refined metal production. Nickel production for the 2018 financial year is expected to remain broadly unchanged from the 2017 financial year.

**Potash project**

Project and ownership	Investment (US\$m)	Scope	Progress
Jansen Potash (Canada)	2,600	Investment to finish the excavation and lining of the production and service shafts, and to continue the installation of essential surface infrastructure and utilities.	The project is 70% complete and within the approved budget. Shaft excavation is progressing.
			100%

**Minerals exploration**

Minerals exploration expenditure for the 2017 financial year was US\$163 million, of which US\$139 million was expensed. Greenfield minerals exploration is predominantly focused on advancing copper targets within Chile, Peru, Canada, South Australia and the South-West United States. BHP was awarded five exploration concessions in Ecuador in June 2017.

Variance analysis relates to the relative performance of BHP and/or its operations during the 2017 financial year compared with the 2016 financial year, unless otherwise noted. Production volumes, sales volumes and capital and exploration expenditure from subsidiaries are reported on a 100 per cent basis; production and sales volumes from equity accounted investments and other operations are reported on a proportionate consolidation basis. Copper equivalent production based on 2017 financial year average realised prices.

The following footnotes apply to this Operational Review:

- (1) Excludes production from Samarco, Haju (IndoMet Coal) and New Mexico Coal.
- (2) Underlying EBITDA and Underlying attributable profit are used to reflect the underlying performance of BHP. Underlying EBITDA is earnings before net finance costs, taxation, depreciation, amortisation, impairment and

any exceptional items. Underlying attributable profit is Attributable profit excluding any exceptional items. The following abbreviations may have been used throughout this report: barrels (bbl); billion cubic feet (bcf); cost and freight (CFR); cost, insurance and freight (CIF); dry metric tonne unit (dmtu); free on board (FOB); grams per tonne (g/t); kilograms per tonne (kg/t); kilometre (km); metre (m); million barrels of oil equivalent (MMboe); million cubic feet per day (MMcf/d); million tonnes (Mt); million tonnes per annum (Mtpa); ounces (oz); pounds (lb); thousand barrels of oil equivalent (Mboe); thousand ounces (koz); thousand standard cubic feet (Mscf); thousand tonnes (kt); thousand tonnes per annum (ktpa); thousand tonnes per day (ktpd); tonnes (t); and wet metric tonnes (wmt).

Further information on BHP can be found at: [bhp.com](http://bhp.com)

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BHP Operational Review for the year ended 30 June 2017

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**Production summary**

	BHP interest	Quarter ended				Year to date		
		Jun 2016	Sep 2016	Dec 2016	Mar 2017	Jun 2017	Jun 2017	Jun 2016
<b>Petroleum <sup>(1)</sup></b>								
<b>Petroleum</b>								
<b>Crude oil, condensate and NGL (Mboe)</b>								
Onshore US		9,469	8,288	8,143	9,439	<b>8,501</b>	<b>34,371</b>	48,181
Conventional		16,896	15,959	15,768	15,369	<b>15,612</b>	<b>62,708</b>	67,858
Total		26,365	24,247	23,911	24,808	<b>24,113</b>	<b>97,079</b>	116,039
<b>Natural gas (bcf)</b>								
Onshore US		82.0	73.9	67.8	66.1	<b>67.2</b>	<b>275.0</b>	364.5
Conventional		95.7	107.8	97.1	88.4	<b>99.5</b>	<b>392.8</b>	380.2
Total		177.7	181.7	164.9	154.5	<b>166.7</b>	<b>667.8</b>	744.7
<b>Total petroleum production (MMboe)</b>								
		56.0	54.5	51.4	50.6	<b>51.9</b>	<b>208.4</b>	240.1
<b>Copper <sup>(2)</sup></b>								
<b>Copper</b>								
<b>Payable metal in concentrate (kt)</b>								
Escondida <sup>(3)</sup>	57.5%	182.7	147.0	162.6	67.6	<b>162.4</b>	<b>539.6</b>	648.9
Antamina	33.8%	38.7	34.1	32.0	29.2	<b>38.5</b>	<b>133.8</b>	146.4
Total		221.4	181.1	194.6	96.8	<b>200.9</b>	<b>673.4</b>	795.3
<b>Cathode (kt)</b>								
Escondida <sup>(3)</sup>	57.5%	85.3	70.5	71.5	27.2	<b>62.8</b>	<b>232.0</b>	330.3
Pampa Norte <sup>(4)</sup>	100%	65.8	62.1	53.8	66.1	<b>72.3</b>	<b>254.3</b>	251.4
Olympic Dam	100%	40.7	40.9	37.2	36.8	<b>51.4</b>	<b>166.3</b>	202.8
Total		191.8	173.5	162.5	130.1	<b>186.5</b>	<b>652.6</b>	784.5
<b>Total copper (kt)</b>								
		413.2	354.6	357.1	226.9	<b>387.4</b>	<b>1,326.0</b>	1,579.8
<b>Lead</b>								
<b>Payable metal in concentrate (t)</b>								
Antamina	33.8%	645	1,146	1,220	1,308	<b>1,799</b>	<b>5,473</b>	3,719

Total		645	1,146	1,220	1,308	<b>1,799</b>	<b>5,473</b>	3,719
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**Zinc**

<b>Payable metal in concentrate (t)</b>								
Antamina	33.8%	6,474	15,367	22,406	20,653	<b>29,076</b>	<b>87,502</b>	55,438
Total		6,474	15,367	22,406	20,653	<b>29,076</b>	<b>87,502</b>	55,438

**Gold**

<b>Payable metal in concentrate (troy oz)</b>								
Escondida <sup>(3)</sup>	57.5%	35,894	27,561	37,784	11,572	<b>33,941</b>	<b>110,858</b>	108,996
Olympic Dam (refined gold)	100%	20,010	24,366	29,651	21,941	<b>28,188</b>	<b>104,146</b>	117,686
Total		55,904	51,927	67,435	33,513	<b>62,129</b>	<b>215,004</b>	226,682

**Silver**

<b>Payable metal in concentrate (troy koz)</b>								
Escondida <sup>(3)</sup>	57.5%	1,874	1,229	1,323	540	<b>1,234</b>	<b>4,326</b>	5,561
Antamina	33.8%	1,558	1,345	1,446	1,301	<b>1,691</b>	<b>5,783</b>	6,711
Olympic Dam (refined silver)	100%	232	163	188	174	<b>243</b>	<b>768</b>	917
Total		3,664	2,737	2,957	2,015	<b>3,168</b>	<b>10,877</b>	13,189

**Uranium**

<b>Payable metal in concentrate (t)</b>								
Olympic Dam	100%	876	916	1,060	948	<b>737</b>	<b>3,661</b>	4,363
Total		876	916	1,060	948	<b>737</b>	<b>3,661</b>	4,363

**Molybdenum**

<b>Payable metal in concentrate (t)</b>								
Antamina	33.8%	562	561	225	30	<b>328</b>	<b>1,144</b>	1,113
Total		562	561	225	30	<b>328</b>	<b>1,144</b>	1,113

**Production summary**

	BHP interest	Quarter ended				Year to date		
		Jun 2016	Sep 2016	Dec 2016	Mar 2017	Jun 2017	Jun 2017	Jun 2016
<b>Iron Ore</b>								
<b>Iron Ore</b>								
<b>Production (kt) <sup>(5)</sup></b>								
Newman	85%	15,115	18,008	17,751	16,283	<b>16,241</b>	<b>68,283</b>	65,941
Area C Joint Venture	85%	11,911	12,384	12,179	11,165	<b>13,016</b>	<b>48,744</b>	46,799
Yandi Joint Venture	85%	18,325	15,729	17,555	14,656	<b>17,415</b>	<b>65,355</b>	67,375
Jimblebar <sup>(6)</sup>	85%	5,304	6,057	5,178	4,824	<b>5,891</b>	<b>21,950</b>	18,890
Wheelarra	85%	4,971	5,409	7,386	6,647	<b>7,578</b>	<b>27,020</b>	22,549
Samarco	50%							5,404
Total		55,626	57,587	60,049	53,575	<b>60,141</b>	<b>231,352</b>	226,958
<b>Coal</b>								
<b>Metallurgical coal</b>								
<b>Production (kt) <sup>(7)</sup></b>								
BMA	50%	9,225	8,384	8,684	7,996	<b>6,394</b>	<b>31,458</b>	33,413
BHP Mitsui Coal <sup>(8)</sup>	80%	2,345	2,145	1,929	2,138	<b>2,100</b>	<b>8,312</b>	8,898
Haju <sup>(9)</sup>	75%	260	102	27			<b>129</b>	529
Total		11,830	10,631	10,640	10,134	<b>8,494</b>	<b>39,899</b>	42,840
<b>Energy coal</b>								
<b>Production (kt)</b>								
USA	100%	632	451				<b>451</b>	7,052
Australia	100%	3,991	3,952	3,851	4,662	<b>5,711</b>	<b>18,176</b>	17,101
Colombia	33.3%	2,329	2,928	2,800	2,756	<b>2,475</b>	<b>10,959</b>	10,094
Total		6,952	7,331	6,651	7,418	<b>8,186</b>	<b>29,586</b>	34,247
<b>Other</b>								
<b>Nickel</b>								
Saleable production (kt)								
Nickel West	100%	23.4	18.8	22.1	19.0	<b>25.2</b>	<b>85.1</b>	80.7
Total		23.4	18.8	22.1	19.0	<b>25.2</b>	<b>85.1</b>	80.7

(1) LPG and ethane are reported as natural gas liquids (NGL). Product-specific conversions are made and NGL is reported in barrels of oil equivalent (boe). Total boe conversions are based on 6 bcf of natural gas equals 1 MMboe.

(2) Metal production is reported on the basis of payable metal.

(3) Shown on a 100% basis. BHP interest in saleable production is 57.5%.

- (4) Includes Cerro Colorado and Spence.
  - (5) Iron ore production is reported on a wet tonnes basis.
  - (6) Shown on a 100% basis. BHP interest in saleable production is 85%.
  - (7) Metallurgical coal production is reported on the basis of saleable product. Production figures include some thermal coal.
  - (8) Shown on a 100% basis. BHP interest in saleable production is 80%.
  - (9) Shown on a 100% basis. BHP interest in saleable production is 75%.
- Throughout this report figures in italics indicate that this figure has been adjusted since it was previously reported.



**Production and sales report**

		Quarter ended				Year to date		Jun 2016
		Jun 2016	Sep 2016	Dec 2016	Mar 2017	Jun 2017	Jun 2017	
<b>Petroleum <sup>(1)</sup></b>								
<b>Bass Strait</b>								
Crude oil and condensate	(Mboe)	1,745	1,922	1,770	1,355	<b>1,552</b>	<b>6,599</b>	6,825
NGL	(Mboe)	1,831	2,102	1,460	1,236	<b>1,661</b>	<b>6,459</b>	6,684
Natural gas	(bcf)	38.1	41.9	31.3	28.7	<b>37.4</b>	<b>139.3</b>	131.0
Total petroleum products	(MMboe)	9.9	11.0	8.4	7.4	<b>9.4</b>	<b>36.3</b>	35.3
<b>North West Shelf</b>								
Crude oil and condensate	(Mboe)	925	1,486	1,468	1,239	<b>1,314</b>	<b>5,507</b>	4,834
NGL	(Mboe)	241	292	263	200	<b>209</b>	<b>964</b>	962
Natural gas	(bcf)	27.6	38.7	36.9	32.2	<b>32.5</b>	<b>140.3</b>	130.2
Total petroleum products	(MMboe)	5.8	8.2	7.9	6.8	<b>6.9</b>	<b>29.9</b>	27.5
<b>Pyrenees</b>								
Crude oil and condensate	(Mboe)	2,097	1,676	1,726	1,509	<b>1,606</b>	<b>6,517</b>	8,617
Total petroleum products	(MMboe)	2.1	1.7	1.7	1.5	<b>1.6</b>	<b>6.5</b>	8.6
<b>Other Australia <sup>(2)</sup></b>								
Crude oil and condensate	(Mboe)	9	10	8	8	<b>9</b>	<b>35</b>	39
Natural gas	(bcf)	17.2	17.5	17.1	15.2	<b>16.3</b>	<b>66.1</b>	64.4
Total petroleum products	(MMboe)	2.9	2.9	2.9	2.5	<b>2.7</b>	<b>11.1</b>	10.8
<b>Atlantis <sup>(3)</sup></b>								
Crude oil and condensate	(Mboe)	4,058	3,054	3,263	3,881	<b>3,637</b>	<b>13,835</b>	16,008
NGL	(Mboe)	269	208	207	295	<b>213</b>	<b>923</b>	1,048
Natural gas	(bcf)	1.9	1.5	1.6	2.1	<b>1.9</b>	<b>7.1</b>	7.4
Total petroleum products	(MMboe)	4.6	3.5	3.7	4.5	<b>4.2</b>	<b>15.9</b>	18.3
<b>Mad Dog <sup>(3)</sup></b>								
Crude oil and condensate	(Mboe)	1,134	950	1,170	1,185	<b>1,167</b>	<b>4,472</b>	3,250
NGL	(Mboe)	52	36	52	59	<b>68</b>	<b>215</b>	157
Natural gas	(bcf)	0.2	0.1	0.2	0.2	<b>0.2</b>	<b>0.7</b>	0.5
Total petroleum products	(MMboe)	1.2	1.0	1.3	1.3	<b>1.3</b>	<b>4.8</b>	3.5
<b>Shenzi <sup>(3)</sup></b>								
Crude oil and condensate	(Mboe)	2,813	2,632	2,692	2,675	<b>2,588</b>	<b>10,587</b>	12,369

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NGL	(Mboe)	192	94	131	161	<b>179</b>	<b>565</b>	903
Natural gas	(bcf)	0.6	0.5	0.5	0.5	<b>0.6</b>	<b>2.1</b>	2.7
Total petroleum products	(MMboe)	3.1	2.8	2.9	2.9	<b>2.9</b>	<b>11.5</b>	13.7

**Eagle Ford** <sup>(4)</sup>

Crude oil and condensate	(Mboe)	4,949	3,871	4,008	5,451	<b>4,278</b>	<b>17,608</b>	26,823
NGL	(Mboe)	2,717	2,268	2,159	2,354	<b>2,240</b>	<b>9,021</b>	13,971
Natural gas	(bcf)	19.5	16.5	15.2	17.0	<b>15.1</b>	<b>63.8</b>	95.8
Total petroleum products	(MMboe)	10.9	8.9	8.7	10.6	<b>9.0</b>	<b>37.3</b>	56.8

**Permian** <sup>(4)</sup>

Crude oil and condensate	(Mboe)	1,410	1,415	1,378	1,202	<b>1,336</b>	<b>5,331</b>	5,744
NGL	(Mboe)	393	734	580	428	<b>646</b>	<b>2,388</b>	1,642
Natural gas	(bcf)	4.9	4.4	4.4	4.0	<b>6.2</b>	<b>19.0</b>	14.6
Total petroleum products	(MMboe)	2.6	2.9	2.7	2.3	<b>3.0</b>	<b>10.9</b>	9.8

**Haynesville** <sup>(4)</sup>

Crude oil and condensate	(Mboe)			3	1	<b>1</b>	<b>5</b>	1
NGL	(Mboe)			15	3		<b>18</b>	
Natural gas	(bcf)	31.1	28.2	24.0	22.0	<b>21.4</b>	<b>95.6</b>	136.6
Total petroleum products	(MMboe)	5.2	4.7	4.0	3.7	<b>3.6</b>	<b>16.0</b>	22.8

**Fayetteville** <sup>(4)</sup>

Natural gas	(bcf)	26.5	24.8	24.2	23.1	<b>24.5</b>	<b>96.6</b>	117.5
Total petroleum products	(MMboe)	4.4	4.1	4.0	3.9	<b>4.1</b>	<b>16.1</b>	19.6

**Production and sales report**

		Quarter ended				Year to date		
		Jun 2016	Sep 2016	Dec 2016	Mar 2017	Jun 2017	Jun 2017	Jun 2016
<b>Petroleum <sup>(1)</sup> (continued)</b>								
<b>Trinidad/Tobago</b>								
Crude oil and condensate	(Mboe)	162	140	156	127	<b>139</b>	<b>562</b>	709
Natural gas	(bcf)	8.6	6.4	8.4	8.4	<b>9.4</b>	<b>32.6</b>	31.0
Total petroleum products	(MMboe)	1.6	1.2	1.6	1.5	<b>1.7</b>	<b>6.0</b>	5.9
<b>Other Americas <sup>(3) (5)</sup></b>								
Crude oil and condensate	(Mboe)	308	275	269	257	<b>238</b>	<b>1,039</b>	1,363
NGL	(Mboe)	10	1	5	6	<b>10</b>	<b>22</b>	50
Natural gas	(bcf)	0.2	0.1	0.1	0.1	<b>0.1</b>	<b>0.4</b>	0.8
Total petroleum products	(MMboe)	0.4	0.3	0.3	0.3	<b>0.3</b>	<b>1.1</b>	1.5
<b>UK</b>								
Crude oil and condensate	(Mboe)	76	69	63	72	<b>64</b>	<b>268</b>	274
NGL	(Mboe)	10	22	49	32	<b>16</b>	<b>119</b>	43
Natural gas	(bcf)	1.3	1.1	1.0	1.0	<b>1.1</b>	<b>4.2</b>	4.3
Total petroleum products	(MMboe)	0.3	0.3	0.3	0.3	<b>0.3</b>	<b>1.1</b>	1.0
<b>Algeria</b>								
Crude oil and condensate	(Mboe)	964	990	1,016	1,072	<b>942</b>	<b>4,020</b>	3,689
Total petroleum products	(MMboe)	1.0	1.0	1.0	1.1	<b>0.9</b>	<b>4.0</b>	3.7
<b>Pakistan <sup>(6)</sup></b>								
Crude oil and condensate	(Mboe)							42
Natural gas	(bcf)							7.9
Total petroleum products	(MMboe)							1.4
<b>BHP Petroleum</b>								
<b>Crude oil and condensate</b>								
Onshore US	(Mboe)	6,359	5,286	5,389	6,654	<b>5,615</b>	<b>22,944</b>	32,568
Conventional <sup>(7)</sup>	(Mboe)	14,291	13,204	13,601	13,380	<b>13,256</b>	<b>53,441</b>	58,011
Total	(Mboe)	20,650	18,490	18,990	20,034	<b>18,871</b>	<b>76,385</b>	90,579
<b>NGL</b>								
Onshore US	(Mboe)	3,110	3,002	2,754	2,785	<b>2,886</b>	<b>11,427</b>	15,613

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Conventional	(Mboe)	2,605	2,755	2,167	1,989	<b>2,356</b>	<b>9,267</b>	9,847
<b>Total</b>	<b>(Mboe)</b>	<b>5,715</b>	<b>5,757</b>	<b>4,921</b>	<b>4,774</b>	<b>5,242</b>	<b>20,694</b>	25,460
<b>Natural gas</b>								
Onshore US	(bcf)	82.0	73.9	67.8	66.1	<b>67.2</b>	<b>275.0</b>	364.5
Conventional	(bcf)	95.7	107.8	97.1	88.4	<b>99.5</b>	<b>392.8</b>	380.2
<b>Total</b>	<b>(bcf)</b>	<b>177.7</b>	<b>181.7</b>	<b>164.9</b>	<b>154.5</b>	<b>166.7</b>	<b>667.8</b>	744.7
<b>Total petroleum products</b>								
Onshore US	(Mboe)	23,136	20,605	19,443	20,456	<b>19,701</b>	<b>80,204</b>	108,931
Conventional <sup>(7)</sup>	(Mboe)	32,846	33,926	31,951	30,102	<b>32,195</b>	<b>128,175</b>	131,225
<b>Total</b>	<b>(Mboe)</b>	<b>55,982</b>	<b>54,530</b>	<b>51,394</b>	<b>50,558</b>	<b>51,896</b>	<b>208,379</b>	240,156

(1) Total boe conversions are based on 6 bcf of natural gas equals 1 MMboe. Negative production figures represent finalisation adjustments.

(2) Other Australia includes Minerva and Macedon.

(3) Gulf of Mexico volumes are net of royalties.

(4) Onshore US volumes are net of mineral holder royalties.

(5) Other Americas includes Neptune, Genesis and Overriding Royalty Interest.

(6) BHP completed the sale of the Pakistan gas business on 31 December 2015.

(7) September 2015 includes (8) Mboe for the finalisation adjustment following the cessation of production at Stybarrow on 26 June 2015.

**Production and sales report**

		Quarter ended				Year to date		
		Jun 2016	Sep 2016	Dec 2016	Mar 2017	Jun 2017	Jun 2017	Jun 2016
<b>Copper</b>								
Metals production is payable metal unless otherwise stated.								
<b>Escondida, Chile <sup>(1)</sup></b>								
Material mined	(kt)	108,037	106,504	90,863	26,045	<b>93,389</b>	<b>316,801</b>	433,274
Sulphide ore milled	(kt)	22,905	20,787	19,866	8,054	<b>18,777</b>	<b>67,484</b>	84,989
Average copper grade	(%)	0.94%	0.87%	1.02%	1.01%	<b>1.07%</b>	<b>0.99%</b>	0.98%
Production ex mill	(kt)	181.7	153.2	168.6	68.7	<b>167.0</b>	<b>557.5</b>	670.0
<b>Production</b>								
Payable copper	(kt)	182.7	147.0	162.6	67.6	<b>162.4</b>	<b>539.6</b>	648.9
Copper cathode (EW)	(kt)	85.3	70.5	71.5	27.2	<b>62.8</b>	<b>232.0</b>	330.3
- Oxide leach	(kt)	31.3	26.8	24.4	8.9	<b>20.3</b>	<b>80.4</b>	117.8
- Sulphide leach	(kt)	54.0	43.7	47.1	18.3	<b>42.5</b>	<b>151.6</b>	212.5
Total copper	(kt)	268.0	217.5	234.1	94.8	<b>225.2</b>	<b>771.6</b>	979.2
Payable gold concentrate	(troy oz)	35,894	27,561	37,784	11,572	<b>33,941</b>	<b>110,858</b>	108,996
Payable silver concentrate	(troy koz)	1,874	1,229	1,323	540	<b>1,234</b>	<b>4,326</b>	5,561
<b>Sales</b>								
Payable copper	(kt)	186.6	134.9	172.7	63.7	<b>163.3</b>	<b>534.6</b>	649.7
Copper cathode (EW)	(kt)	83.8	65.6	71.8	39.4	<b>56.0</b>	<b>232.8</b>	329.0
Payable gold concentrate	(troy oz)	35,894	27,561	37,784	11,572	<b>33,941</b>	<b>110,858</b>	108,996
Payable silver concentrate	(troy koz)	1,874	1,229	1,323	540	<b>1,234</b>	<b>4,326</b>	5,561

(1) Shown on a 100% basis. BHP interest in saleable production is 57.5%.

<b>Pampa Norte, Chile</b>								
<b>Cerro Colorado</b>								
Material mined	(kt)	12,453	13,011	14,286	15,178	<b>15,760</b>	<b>58,235</b>	53,668
Ore milled	(kt)	4,375	3,241	3,342	4,179	<b>4,411</b>	<b>15,173</b>	17,946
Average copper grade	(%)	0.80%	0.68%	0.65%	0.57%	<b>0.53%</b>	<b>0.60%</b>	0.77%

**Production**

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Copper cathode (EW)	(kt)	24.8	17.1	12.1	16.7	<b>18.8</b>	<b>64.7</b>	77.3
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**Sales**

Copper cathode (EW)	(kt)	25.2	16.4	13.7	15.6	<b>19.8</b>	<b>65.5</b>	76.5
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**Spence**

Material mined	(kt)	21,124	23,638	22,635	22,939	<b>24,230</b>	<b>93,442</b>	88,188
Ore milled	(kt)	4,836	4,713	5,187	5,225	<b>4,968</b>	<b>20,093</b>	19,256
Average copper grade	(%)	1.22%	1.17%	1.19%	1.09%	<b>1.13%</b>	<b>1.14%</b>	1.33%

**Production**

Copper cathode (EW)	(kt)	41.0	45.0	41.7	49.4	<b>53.5</b>	<b>189.6</b>	174.1
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**Sales**

Copper cathode (EW)	(kt)	40.9	41.2	41.5	49.0	<b>55.7</b>	<b>187.4</b>	173.6
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**Production and sales report**

		Quarter ended				Year to date		
		Jun 2016	Sep 2016	Dec 2016	Mar 2017	Jun 2017	Jun 2017	Jun 2016
<b>Copper</b>								
<b>(continued)</b>								
Metals production is payable metal unless otherwise stated.								
<b>Antamina, Peru</b>								
Material mined								
(100%)	(kt)	62,793	65,111	61,355	55,771	<b>62,254</b>	<b>244,491</b>	226,899
Sulphide ore milled								
(100%)	(kt)	14,711	13,522	13,399	11,955	<b>13,229</b>	<b>52,105</b>	55,609
Average head grades								
- Copper(%)		0.90%	0.84%	0.84%	0.88%	<b>1.00%</b>	<b>0.89%</b>	0.93%
- Zinc(%)		0.33%	0.60%	0.83%	0.84%	<b>0.95%</b>	<b>0.80%</b>	0.55%
<b>Production</b>								
Payable copper	(kt)	38.7	34.1	32.0	29.2	<b>38.5</b>	<b>133.8</b>	146.4
Payable zinc	(t)	6,474	15,367	22,406	20,653	<b>29,076</b>	<b>87,502</b>	55,438
Payable silver	(troy koz)	1,558	1,345	1,446	1,301	<b>1,691</b>	<b>5,783</b>	6,711
Payable lead	(t)	645	1,146	1,220	1,308	<b>1,799</b>	<b>5,473</b>	3,719
Payable molybdenum	(t)	562	561	225	30	<b>328</b>	<b>1,144</b>	1,113
<b>Sales</b>								
Payable copper	(kt)	42.4	32.8	33.0	30.2	<b>36.9</b>	<b>132.9</b>	145.4
Payable zinc	(t)	3,035	16,043	22,334	23,669	<b>27,936</b>	<b>89,982</b>	54,302
Payable silver	(troy koz)	2,055	1,277	1,388	1,304	<b>1,513</b>	<b>5,482</b>	6,956
Payable lead	(t)	1,108	767	1,100	1,475	<b>1,493</b>	<b>4,835</b>	3,503
Payable molybdenum	(t)	331	648	476			<b>1,124</b>	803
<b>Olympic Dam, Australia</b>								
Material mined <sup>(1)</sup>	(kt)	1,993	2,204	1,887	1,943	<b>1,974</b>	<b>8,008</b>	8,932
Ore milled	(kt)	2,031	2,279	2,116	2,112	<b>2,097</b>	<b>8,604</b>	9,699
Average copper grade	(%)	2.20%	1.97%	2.00%	2.07%	<b>2.30%</b>	<b>2.08%</b>	2.01%
Average uranium grade	(kg/t)	0.59	0.60	0.68	0.61	<b>0.58</b>	<b>0.62</b>	0.61
<b>Production</b>								
Copper cathode (ER and EW)	(kt)	40.7	40.9	37.2	36.8	<b>51.4</b>	<b>166.3</b>	202.8
Uranium oxide concentrate	(t)	876	916	1,060	948	<b>737</b>	<b>3,661</b>	4,363
Refined gold	(troy oz)	20,010	24,366	29,651	21,941	<b>28,188</b>	<b>104,146</b>	117,686
Refined silver	(troy koz)	232	163	188	174	<b>243</b>	<b>768</b>	917

**Sales**

Copper cathode (ER and EW)	(kt)	43.9	37.5	41.2	33.5	<b>51.5</b>	<b>163.7</b>	203.1
Uranium oxide concentrate	(t)	778	1,085	883	839	<b>1,298</b>	<b>4,105</b>	3,729
Refined gold	(troy oz)	22,134	21,901	28,234	22,333	<b>24,726</b>	<b>97,194</b>	118,952
Refined silver	(troy koz)	201	184	203	108	<b>251</b>	<b>746</b>	877

(1) Material mined refers to run of mine ore mined and hoisted.



**Production and sales report**

		Quarter ended				Year to date		
		Jun 2016	Sep 2016	Dec 2016	Mar 2017	Jun 2017	Jun 2017	Jun 2016
<b>Iron Ore</b>								
Iron ore production and sales are reported on a wet tonnes basis.								
<b>Pilbara, Australia</b>								
<b>Production</b>								
Newman	(kt)	15,115	18,008	17,751	16,283	<b>16,241</b>	<b>68,283</b>	65,941
Area C Joint Venture	(kt)	11,911	12,384	12,179	11,165	<b>13,016</b>	<b>48,744</b>	46,799
Yandi Joint Venture	(kt)	18,325	15,729	17,555	14,656	<b>17,415</b>	<b>65,355</b>	67,375
Jimblebar <sup>(1)</sup>	(kt)	5,304	6,057	5,178	4,824	<b>5,891</b>	<b>21,950</b>	18,890
Wheelarra	(kt)	4,971	5,409	7,386	6,647	<b>7,578</b>	<b>27,020</b>	22,549
Total production	(kt)	55,626	57,587	60,049	53,575	<b>60,141</b>	<b>231,352</b>	221,554
Total production (100%)	(kt)	64,508	66,681	69,730	62,177	<b>69,714</b>	<b>268,302</b>	257,320
<b>Sales</b>								
Lump	(kt)	13,054	14,156	14,127	12,804	<b>15,104</b>	<b>56,191</b>	54,323
Fines	(kt)	42,673	42,278	45,447	41,043	<b>46,249</b>	<b>175,017</b>	167,255
Total	(kt)	55,727	56,434	59,574	53,847	<b>61,353</b>	<b>231,208</b>	221,578
Total sales (100%)	(kt)	64,617	65,368	69,196	62,513	<b>71,149</b>	<b>268,226</b>	257,346

(1) Shown on a 100% basis. BHP interest in saleable production is 85%.

<b>Samarco, Brazil <sup>(1)</sup></b>								
<b>Production</b>	(kt)							5,404
<b>Sales</b>	(kt)	94	12		35		<b>47</b>	6,274

(1) Mining and processing operations remain suspended following the failure of the Fundão tailings dam and Santarém water dam on 5 November 2015.

**Production and sales report**

		Quarter ended				Year to date		Jun 2016
		Jun 2016	Sep 2016	Dec 2016	Mar 2017	Jun 2017	Jun 2017	
<b>Coal</b>								
Coal production is reported on the basis of saleable product.								
<b>Queensland Coal</b>								
<b>Production</b> <sup>(1)</sup>								
<b>BMA</b>								
Blackwater	(kt)	2,206	1,981	1,855	1,694	<b>1,766</b>	<b>7,296</b>	7,626
Goonyella	(kt)	2,709	2,123	2,204	1,871	<b>1,157</b>	<b>7,355</b>	8,996
Peak Downs	(kt)	1,385	1,520	1,715	1,582	<b>1,238</b>	<b>6,055</b>	5,031
Saraji	(kt)	1,123	1,238	1,307	1,276	<b>913</b>	<b>4,734</b>	4,206
Gregory Joint Venture <sup>(2)</sup>	(kt)							1,329
Daunia	(kt)	684	646	680	674	<b>560</b>	<b>2,560</b>	2,624
Caval Ridge	(kt)	1,118	876	923	899	<b>760</b>	<b>3,458</b>	3,601
<b>Total BMA</b>	<b>(kt)</b>	<b>9,225</b>	<b>8,384</b>	<b>8,684</b>	<b>7,996</b>	<b>6,394</b>	<b>31,458</b>	33,413
<b>BHP Mitsui Coal</b> <sup>(3)</sup>								
South Walker Creek	(kt)	1,382	1,341	1,080	1,354	<b>1,348</b>	<b>5,123</b>	5,436
Poitrel	(kt)	963	804	849	784	<b>752</b>	<b>3,189</b>	3,462
<b>Total BHP Mitsui Coal</b>	<b>(kt)</b>	<b>2,345</b>	<b>2,145</b>	<b>1,929</b>	<b>2,138</b>	<b>2,100</b>	<b>8,312</b>	8,898
<b>Total Queensland Coal</b>	<b>(kt)</b>	<b>11,570</b>	<b>10,529</b>	<b>10,613</b>	<b>10,134</b>	<b>8,494</b>	<b>39,770</b>	42,311
<b>Sales</b>								
Coking coal	(kt)	8,059	7,240	7,658	7,133	<b>5,496</b>	<b>27,527</b>	30,064
Weak coking coal	(kt)	3,196	2,799	2,659	2,761	<b>2,502</b>	<b>10,721</b>	11,818
Thermal coal	(kt)	310	206	154	96	<b>142</b>	<b>598</b>	927
<b>Total</b>	<b>(kt)</b>	<b>11,565</b>	<b>10,245</b>	<b>10,471</b>	<b>9,990</b>	<b>8,140</b>	<b>38,846</b>	42,809

(1) Production figures include some thermal coal.

(2) Longwall mining at Crinum completed during the December 2015 quarter.

(3) Shown on a 100% basis. BHP interest in saleable production is 80%.

**Haju, Indonesia** <sup>(1)</sup>

<b>Production</b>	(kt)	260	102	27			<b>129</b>	529
<b>Sales - export</b>	(kt)	239	117				<b>117</b>	239

(1) Shown on 100% basis. BHP interest in saleable production is 75%. BHP completed the sale of IndoMet Coal on 14 October 2016.

**New Mexico, USA****Production**

Navajo Coal <sup>(1)</sup>	(kt)	632	451			<b>451</b>		3,999
San Juan Coal <sup>(2)</sup>	(kt)							3,053

<b>Total</b>	<b>(kt)</b>	<b>632</b>	<b>451</b>			<b>451</b>		<b>7,052</b>
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<b>Sales thermal coal - local utility</b>		613	105			<b>105</b>		7,051
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(1) The divestment of Navajo Coal was completed on 29 July 2016, with no further production reported by BHP.

Management of Navajo Coal was transferred to Navajo Transitional Energy Company on 31 December 2016.

(2) BHP completed the sale of San Juan Mine on 31 January 2016.

**NSW Energy Coal, Australia**

<b>Production</b>	(kt)	3,991	3,952	3,851	4,662	<b>5,711</b>	<b>18,176</b>	17,101
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**Sales**

Export thermal coal	(kt)	3,993	3,640	3,539	4,407	<b>4,913</b>	<b>16,499</b>	16,614
Inland thermal coal	(kt)	440	331	311	431	<b>327</b>	<b>1,400</b>	1,156

<b>Total</b>	<b>(kt)</b>	<b>4,433</b>	<b>3,971</b>	<b>3,850</b>	<b>4,838</b>	<b>5,240</b>	<b>17,899</b>	17,770
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**Cerrejón, Colombia**

<b>Production</b>	(kt)	2,329	2,928	2,800	2,756	<b>2,475</b>	<b>10,959</b>	10,094
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<b>Sales thermal coal - export(kt)</b>		2,844	2,905	2,722	2,613	<b>2,803</b>	<b>11,043</b>	10,601
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**Production and sales report**

		Quarter ended				Year to date	
		Jun 2016	Sep 2016	Dec 2016	Mar 2017	Jun 2017	Jun 2017
<b>Other</b>							
Nickel production is reported on the basis of saleable product							
<b>Nickel West, Australia</b>							
<b>Production</b>							
Nickel contained in concentrate	(kt)	0.3	0.3	0.2	0.2	<b>0.7</b>	1.5
Nickel contained in finished matte	(kt)	5.8	1.8	4.1	2.3	<b>5.3</b>	16.2
Nickel metal	(kt)	17.3	16.7	17.8	16.5	<b>19.9</b>	63.0
Total nickel production	(kt)	23.4	18.8	22.1	19.0	<b>25.2</b>	80.7
<b>Sales</b>							
Nickel contained in concentrate	(kt)	0.3	0.3	0.2	0.2	<b>0.7</b>	1.5
Nickel contained in finished matte	(kt)	5.9	1.8	4.1	2.2	<b>4.9</b>	16.5
Nickel metal	(kt)	17.4	16.5	17.6	17.1	<b>18.1</b>	62.9
Total nickel sales	(kt)	23.6	18.6	21.9	19.5	<b>23.0</b>	80.9

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

BHP Billiton Limited and BHP Billiton Plc

Date: July 19, 2017

By: /s/ Rachel Agnew  
Name: Rachel Agnew  
Title: Company Secretary