



FY17 & 4Q17 results

Opportunity Day
28th February 2018





MEMBER OF
Dow Jones
Sustainability Indices
In Collaboration with RobecoSAM 

Banpu recognized for fourth year as member of
the Dow Jones Sustainability Indices (DJSI) in 2017

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3	Coal business
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4	Power business
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6	Financial summary
7	2018 and beyond

The Banpu difference

Banpu is unique amongst major SET-listed energy companies in offering investors a combination of:

1

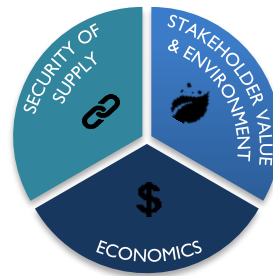
GLOBAL REACH



- Positioned to take advantage of the best growth projects and deals across Asia and beyond
- Three decades of value-creating international experience
- Over 80% Ebitda from international operations

2

BALANCED SUSTAINABILITY



- Reliable, affordable and eco-friendly energy supply
- Combination of core cashflow stability, upside potential and LT growth
- Synergistic hybrid strategy bridging conventional and unconventional

3

VALUE-CREATING INNOVATION

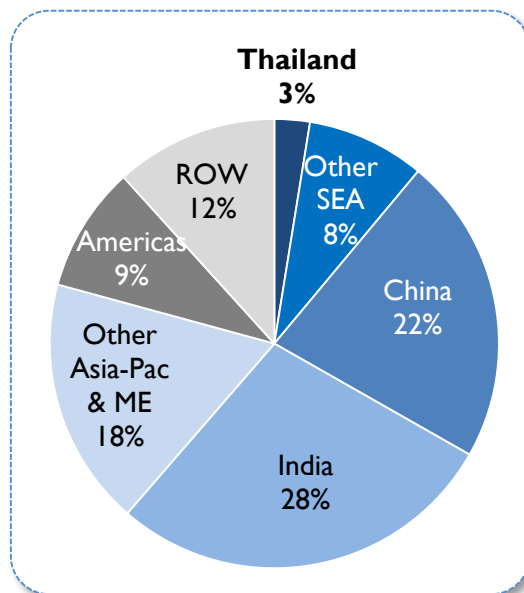


- Demonstrated trackrecord in learning new skills and technologies fast
- Focus on building on innovation and new technologies to create value
- Banpu people: aptitude, adaptability and versatility

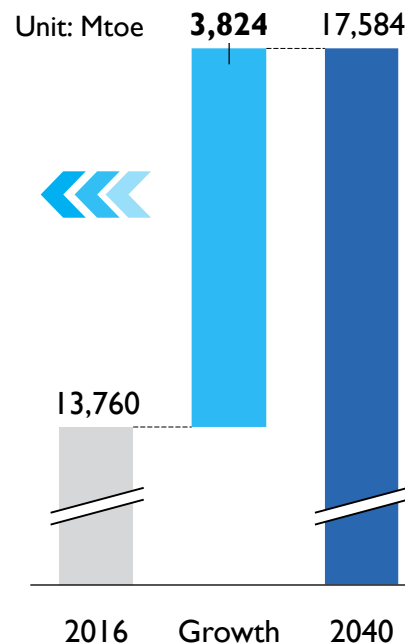
Global reach: world energy growth analysis

WORLD PRIMARY ENERGY DEMAND BY REGION*

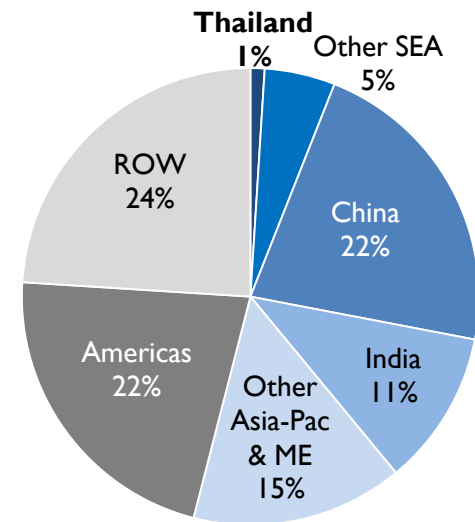
Growth 2016-2040



Note: ME = Middle East, ROW = Rest of the world

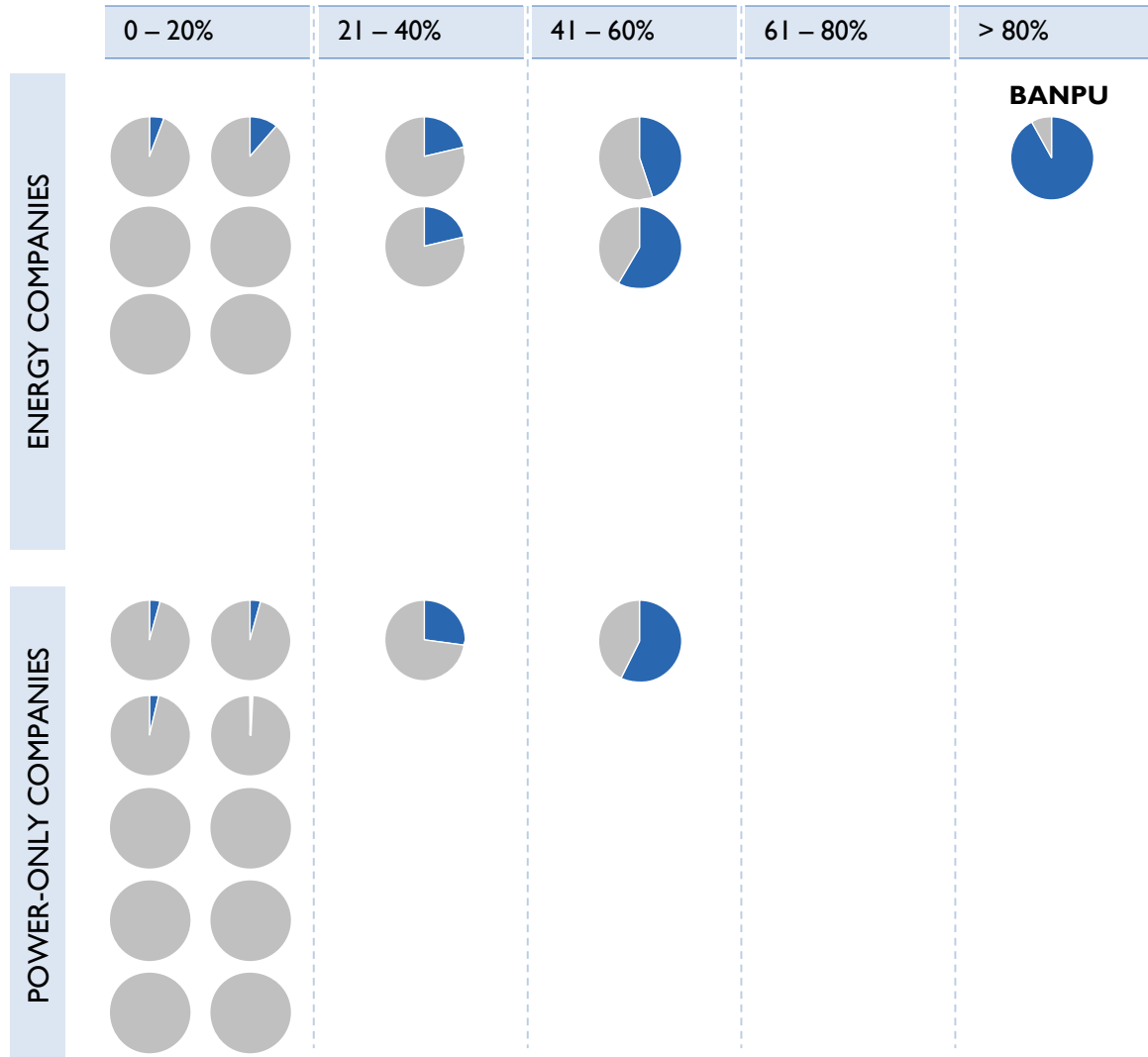


2040 breakdown

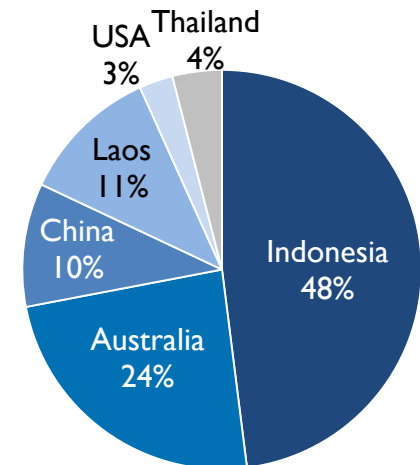


Global reach: Banpu vs other SET energy

% 2016 EBITDA FROM INTERNATIONAL OPERATIONS OF MAJOR SET-LISTED ENERGY COMPANIES*



*Over 80% of Banpu consolidated Ebitda comes from operations outside Thailand***



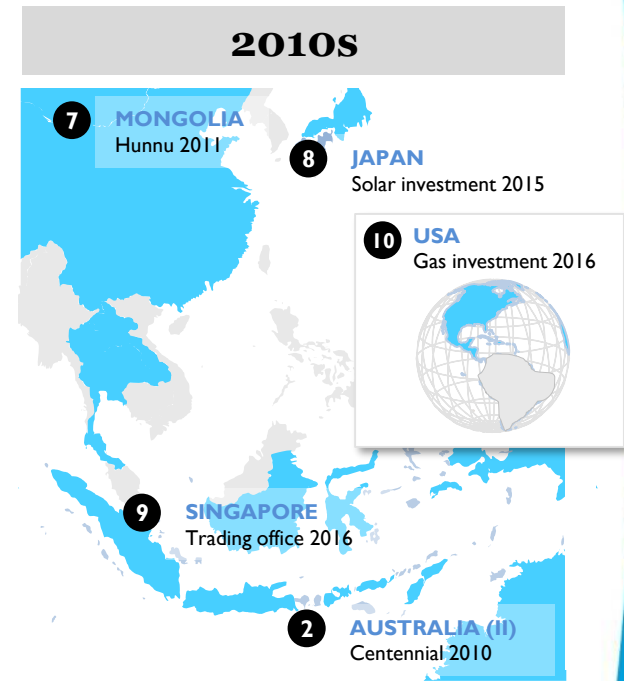
Global reach: 3 decades of international experience



- Coal interests in Indonesia and Australia developed from early 1990s
- Industrial minerals business established in Vietnam from 1995

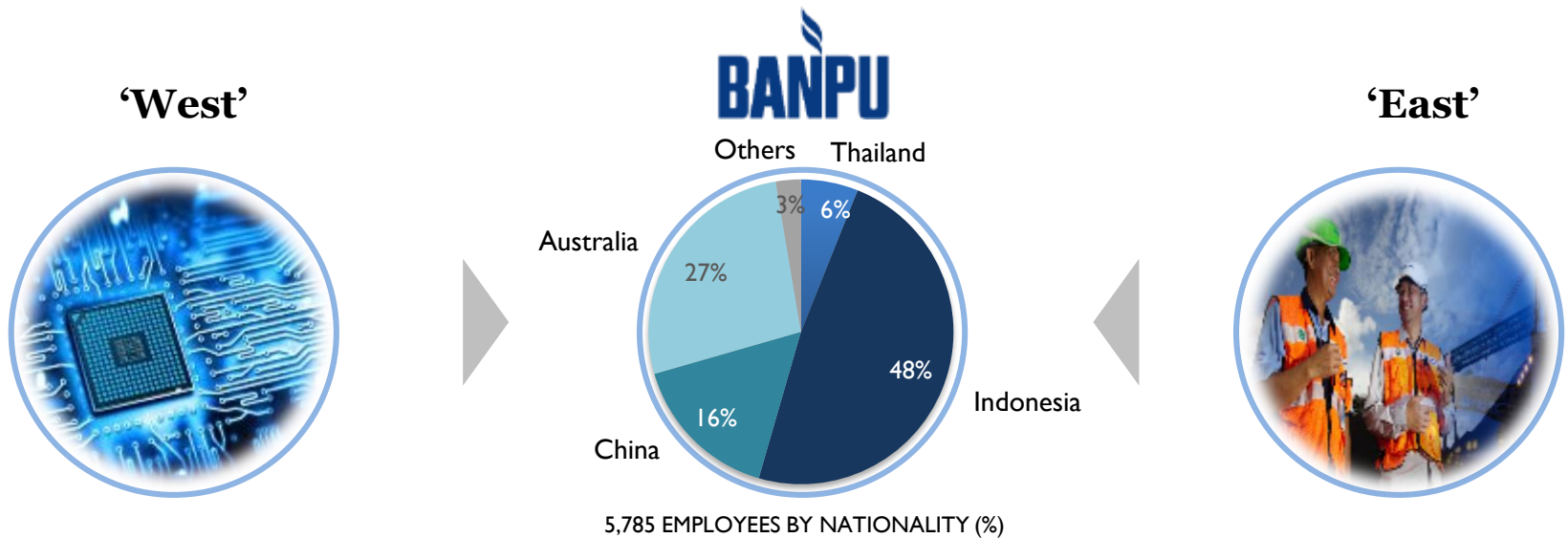


- Big step in Indonesia from 2001 with acquisition and development of Indocoal assets which became ITM
- First step in China coal business from 2003
- Laos project from 2006
- Exited Australia, Vietnam



- Big step into Australia with Centennial acquisition in 2010
- First step into US with gas investments from 2016
- First steps also into Japan Solar (2015), Singapore and Mongolia

Global reach: West - East fusion culture



- Western know-how and technology
- Western standards of best practice governance and IR
- Pro-active culture of accountability and initiative

- Unique diversity: strength and unity
- Banpu people are ‘Global’ and ‘Local’
- With extensive international network of friendships, new market entry is easier for Banpu

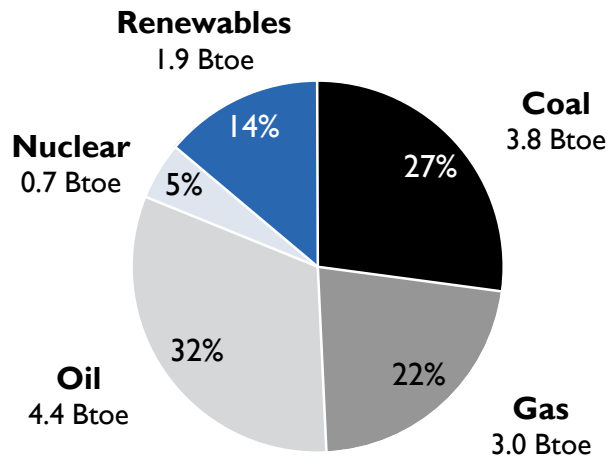
- Asian roots
- Focus on long term: patience, hard work
- Emphasis: integrity, trust, duty, loyalty

Balanced sustainability: world energy growth

WORLD PRIMARY ENERGY DEMAND BY FUEL*

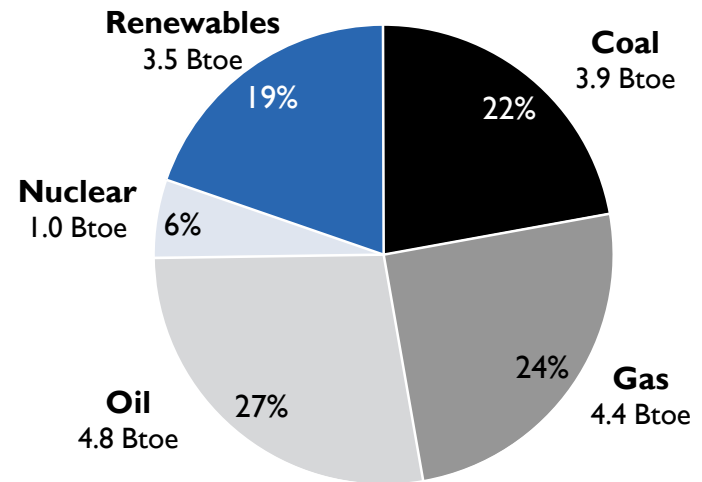
2016

13.8 Btoe



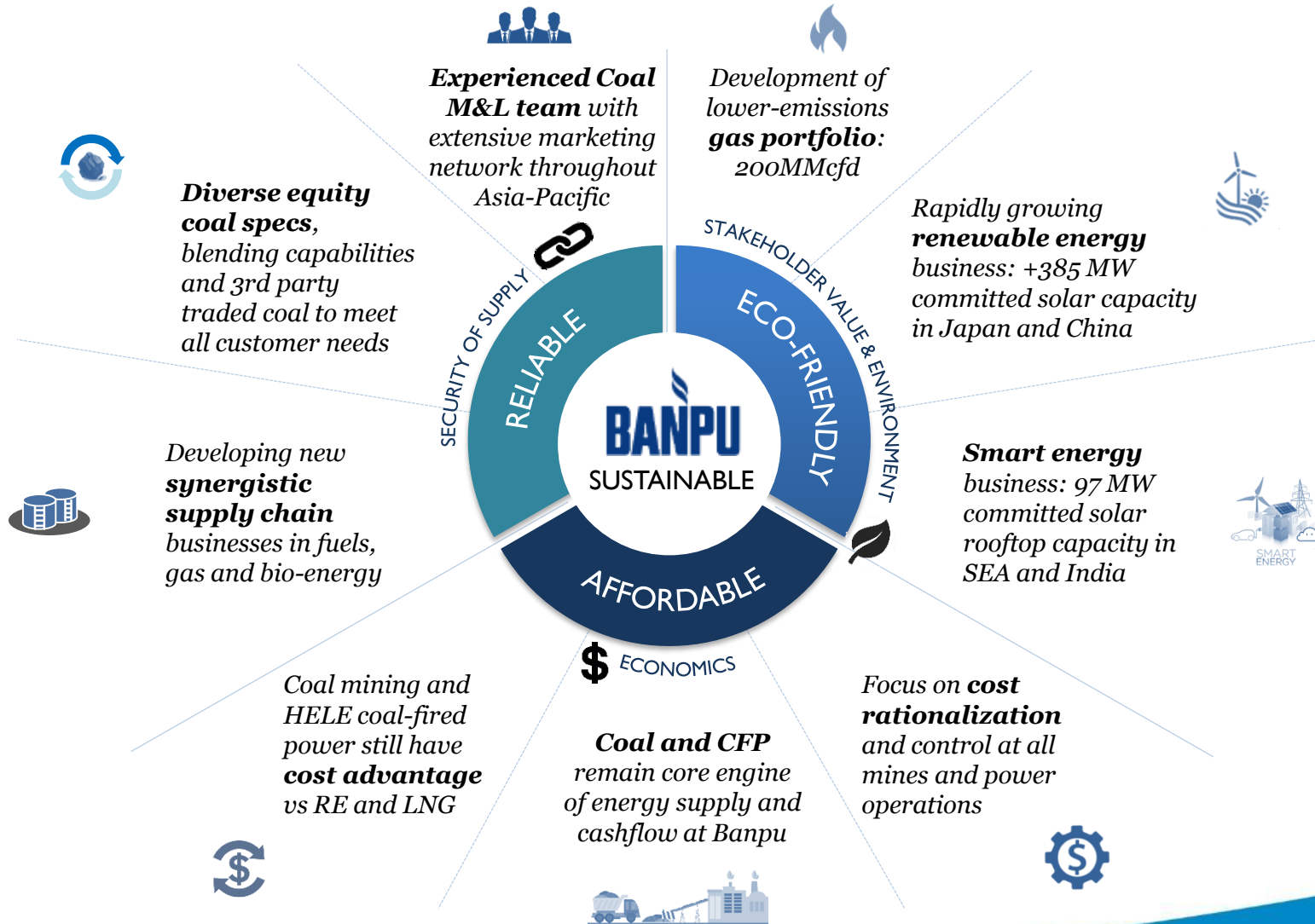
2040

17.6 Btoe



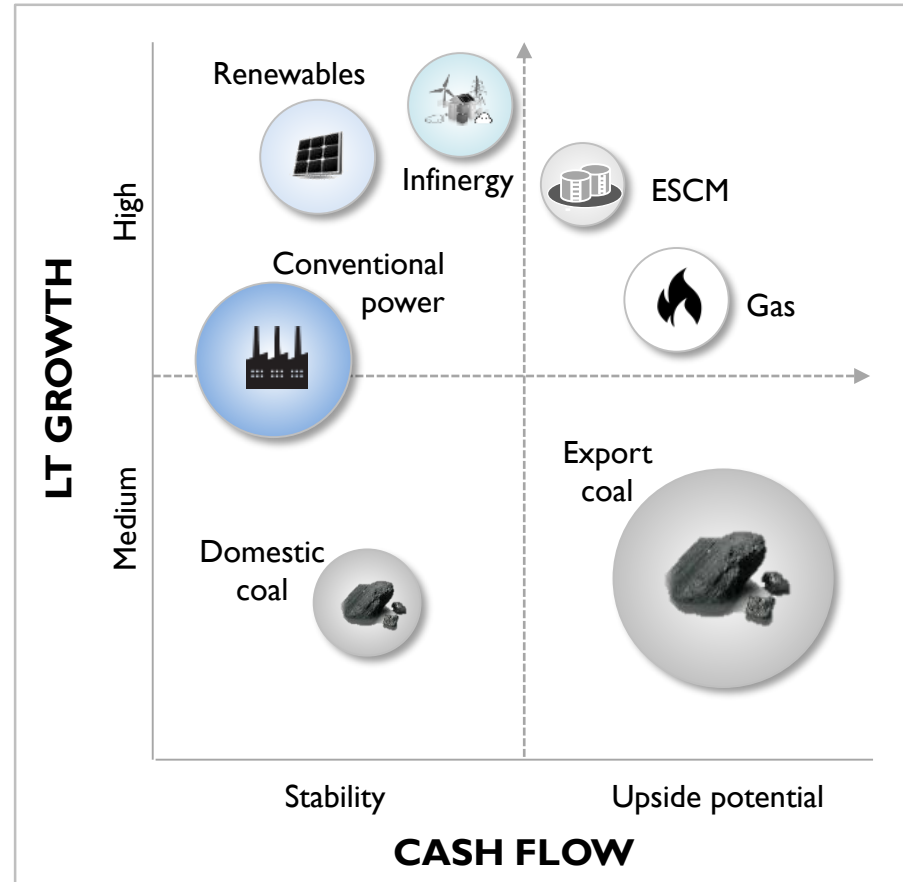
- Coal demand will grow in absolute terms and remain a core baseload energy
- Gas and renewables represent the two largest growth segments
- Banpu well positioned for stability and growth

Balanced sustainability: reliable, affordable, eco-friendly strategy



Balanced sustainability: stability vs growth

- Banpu is bridging the old and new in the energy sector
- Banpu is leading transition to **greater energy sustainability** in a responsible way*
- With a **hybrid mix** of conventional and unconventional energy, Banpu is developing both **horizontal and vertical energy supply chain** synergies
- Balanced portfolio offers both **cash flow stability** and **upside potential**



** “If there was **a button** I could press to stop all hydrocarbon usage today, I would not press it. **It would be irresponsible to press that button.**”*

Elon Musk
Founder of Tesla, SolarCity and SpaceX

Value-creating innovation: proven track record

- Banpu has a **proven 35 year track record** in learning new skills and technologies fast
- Banpu is focused on investing in **new technologies** that lead to meaningful **value-creation**
- Banpu people have demonstrated their **versatility, adaptability*** and **aptitude**

** “It is not the strongest of the species that survives, nor the most intelligent that survives. It is the one that is the **most adaptable to change**”*

Charles Darwin

Examples

1990s

Power project development



Since 2010

Underground mining



Since 2015

Solar PV development



Since 2016

Gathering and Compression

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2017 highlights

COAL



- Coal price NEX +18% YoY
- 41.3 Mt coal sales
- Coal Ebitda \$790M +109% YoY
- Group coal reserves +71 Mt, to 751 Mt

POWER



- Hongsa EAF >80%
- BLCP reached 10th year of operation
- +46 MWe* Zouping expansion

GAS



- +180 MMcfd gas production
- Banpu now amongst top 20 gas producers in Pennsylvania
- First operator position
- 1,074 Bcf 1P reserves up 7x

ESCM



- New fuel procurement and marketing business in Indonesia



- +6 MW* Awaji in operation
- +82 MW* China Solar in operation
- +130 MW* Japan Solar new projects secured

SMART ENERGY



- Established “Banpu Infinergy”
- 26% stake in leading rooftop player in Singapore
- 97 MW* solar rooftop in Southeast Asia and India

Coal business: 2017 review

INDONESIA

ITM

- 22.1Mt (-14% YoY) due to heavy rainfall
- US\$448M* Ebitda (+66% YoY)
- Strip ratio optimization to increase reserves

AUSTRALIA

Centennial

- 12.3Mt (-1% YoY); production records achieved at Springvale, Myuna and Airly
- Achieved higher ASP from legacy contract repricing
- US\$235M* Ebitda (+107% YoY)

MONGOLIA (100%)



GAOHE (45%)

HEBI (40%)

ITM (68%)

CENTENNIAL (100%)

MONGOLIA

Tsant Uul

- Collaboration with potential pyrolysis vendors and oil upgrading vendors to increase commercial value of products

Unst Khudag/ Altai Nuurs

- Received MRPAM** approval

CHINA

Gaohe

- 9.0Mt (-14% YoY)
- US\$408M* Ebitda (+133% YoY)

Hebi

- 1.3Mt (+18% YoY)
- Stable underground conditions with safety focus



Coal operations



Exploration and development

Power business: 2017 review

Capacity based on 100% basis

THAILAND

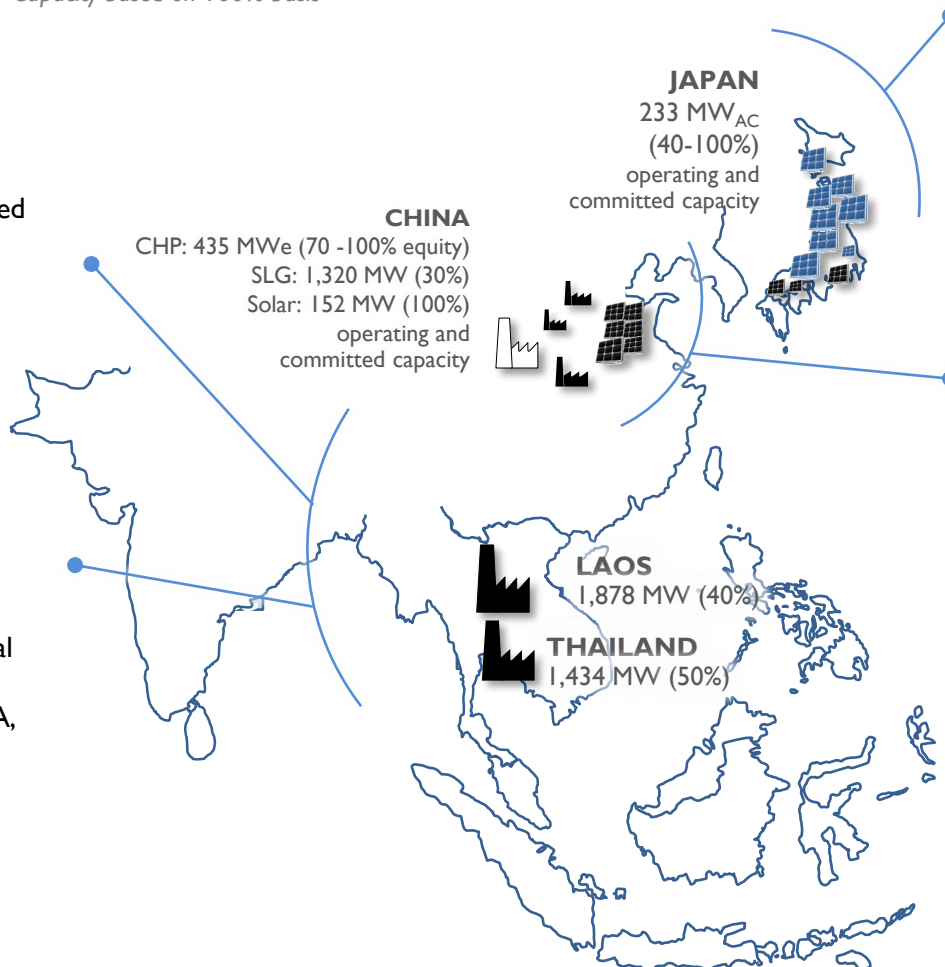
BLCP

- EAF for 2017 reported at 88%, with 98% dispatch factor
- Completed 10 weeks major maintenance in 4Q17
- THB 6.6 bn EBITDA, -17% YoY

LAOS

Hongsa

- Significant operational improvement
- THB 13.1 bn EBITDA, +43% YoY



Coal-fired operational
 Solar operational
 Coal-fired development
 Solar development

JAPAN

Japan Solar

- Awaji 6 MW_{AC}* commenced operation
- Secured 130 MW_{AC}* additional projects
- Total committed capacity of 233.3 MW_{AC}* of which 12.6 MW_{AC}* in operation

CHINA

CHP

- Capacity expansion to 435 MWe*, +46 MWe* from 2016
- Total revenue increased to RMB 1,144 M, +12% YoY from additional Solar business and higher demand

Shanxi Lu Guang

- Expected COD 2019-2020

China Solar

- Capacity +81.6 MW_{DC}* to total 152.1 MW_{DC}*, all in operation
- RMB 97M EBITDA, +593% YoY from projects in operation

Gas and Infinergy businesses: 2017 review

Capacity based on equity basis

USA

Marcellus

- +180 MMcfd gas production to 201 MMcfd through 5 gas acquisitions within one year
- Acquired at lower acquisition prices compared to average leading US peers
- US\$25 M Ebitda, +255% YoY



SOUTHEAST ASIA & INDIA

Thailand Solar rooftop

- Installed 12MW solar rooftop for both residential and commercial customers
- Partnership with Rugby School Thailand to promote 'Smart Campus'

Other SEA and India Solar rooftop

- Secured total of 85MW* solar rooftop through 25.7% ownership in Sunseap
- 78MW* in Southeast Asia includes Singapore, Vietnam, Philippines, Malaysia, Cambodia, and 7MW* in India

 Gas operational  Solar rooftop operational

Note: * based on equity basis via Sunseap shareholding

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Global demand trends: 2017 vs 2016

GEOGRAPHY	CHANGE 2017-16 (Mt.)	COMMENTS
 CHINA	 +17	▪ Strong winter demand and gas shortages boosted coal consumptions ▪ Tighter supply drives coal prices rally ▪ Temporary lifted coal import ban support imports
 INDIA	 -8	▪ Decline in hydro and nuclear power generation supported coal demand ▪ Domestic supply problems persist leading non-power consumers to use imported coal ▪ Pet coke ban increased import demand
 OTHER N.ASIA	 +22	▪ Strong winter demand in North Asia ▪ 10 nuclear reactors in South Korea are shutdown during winter for safety checks ▪ Most of nuclear reactors in Japan remain shutdown
 EUROPE	 +8	▪ Cold weather and low hydro supported coal burn ▪ Delays in restarting nuclear reactors and full review of French nuclear regulator increased coal generation ▪ Turkey commenced 2x660 MW coal-fired power plants in 4Q2017
 OTHERS	 +10	▪ Malaysia, Philippines, Vietnam and Pakistan are the main drivers which expected to add 9 Mt of demand growth ▪ Mexico drives growth in Americas
 GLOBAL	 +49	<i>Strong imported coal demand due to cold weather, nuclear outages, growing economy and continued Chinese domestic supply tightness. High oil prices and US dollar weakness also impacts spot prices. Strong demand is expected to continue into 1Q2018 as cold weather remains.</i>

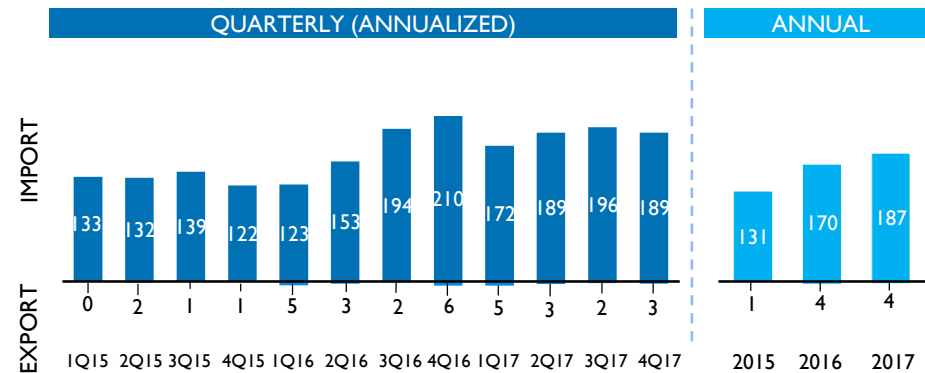
Global supply trends: 2017 vs 2016

GEOGRAPHY	CHANGE 2017-16 (Mt.)	COMMENTS
 INDONESIA	 +21	▪ Substantial growth despite heavy rainfall almost the whole year ▪ Slower domestic demand growth supported export
 AUSTRALIA	0	▪ Strikes continued tighten supply in 4Q2017 ▪ Bad weather and rail maintenance is expected to hamper coal shipments in 1Q2018
 COLOMBIA	-5	▪ Torrential rain curbed production and exports
 RUSSIA	 +16	▪ Freezing conditions cause transport delays and impact port loadings. ▪ Strong margins continued support coal exports
 S.AFRICA	 +7	▪ High exports in 4Q2017 despite bad weather disrupted loading activity ▪ Shareholders pushed RBCT to increase exports in in the fourth quarter to avoid take-or-pay rail charges in 2017
 USA	 +21	▪ Suppliers lifted exports to capture more favourable prices in international market ▪ Weaker US dollar helped to support the price of coal export
 OTHERS	-3	▪ Exports from Philippines and Poland are declined
 GLOBAL	 +57	<i>Bad weather continued to curtail supply in Asia and opened opportunity for supply from US and Colombia. Chinese production recovered slowly while heavy snow continued delay coal transport. Supply tightness expected to continue into 1Q2018</i>

China: demand up, supply constrained, drives prices

CHINA THERMAL COAL IMPORTS/EXPORTS*

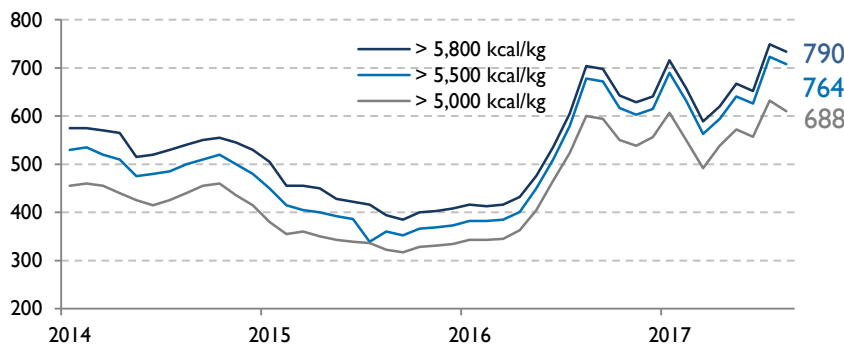
Unit: Mt



Sources: Banpu MS&L

CHINA DOMESTIC COAL PRICES

Unit: RMB/t



- Stable economic growth, cold temperature and gas shortages pushed up thermal coal demand
- Domestic supply recovered slowly due to ongoing safety inspection
- Railway bottlenecks due to snow delayed coal transport in the north
- Domestic thermal coal prices rose significantly pass RMB700/t at end of 2017
- Government intervened in markets aiming to stabilize coal prices
 - Asked coal producers and end users to sign long-term contracts for 2018 with higher contract volume aiming to reduce the size of spot market to curtail the impact of high spot prices on industries
 - Lifted coal import ban late December 2017 to 15 February 2018 for electricity generation to increase supply to match stronger demand.
 - Relaxed production controls and urged producers to release new supply
- Supply tightness is likely to continue into 1Q2018

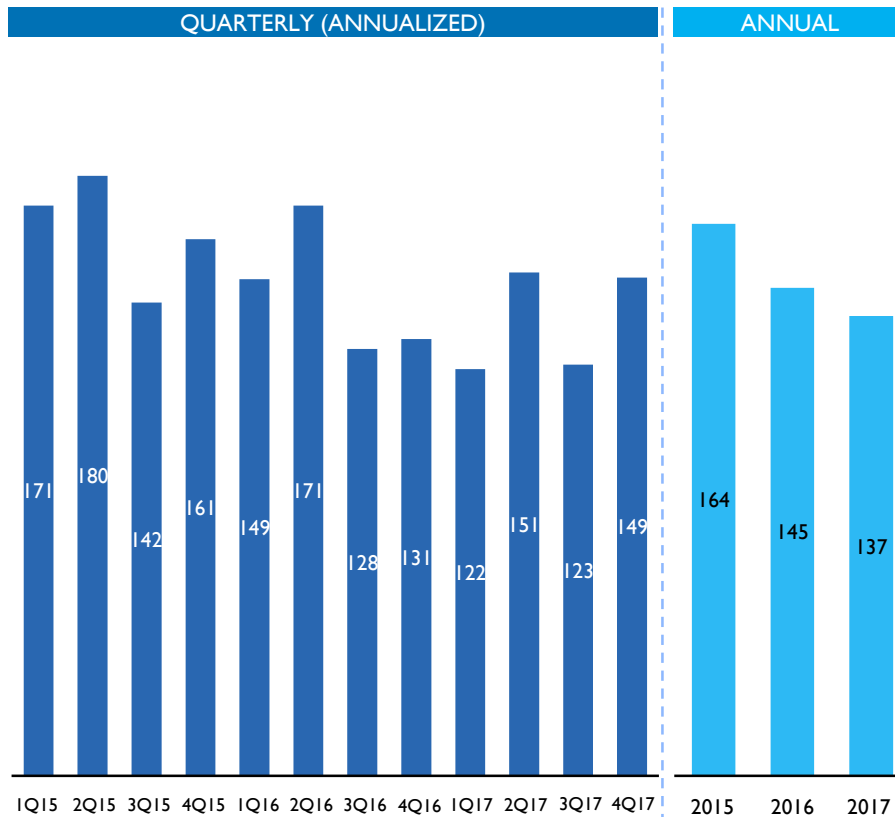
Note: * includes lignite but excludes anthracite imports/exports

Source: www.sxcoal.com/cn 6 February 2018

India: domestic supply issues driving coal imports

INDIA THERMAL COAL IMPORTS*

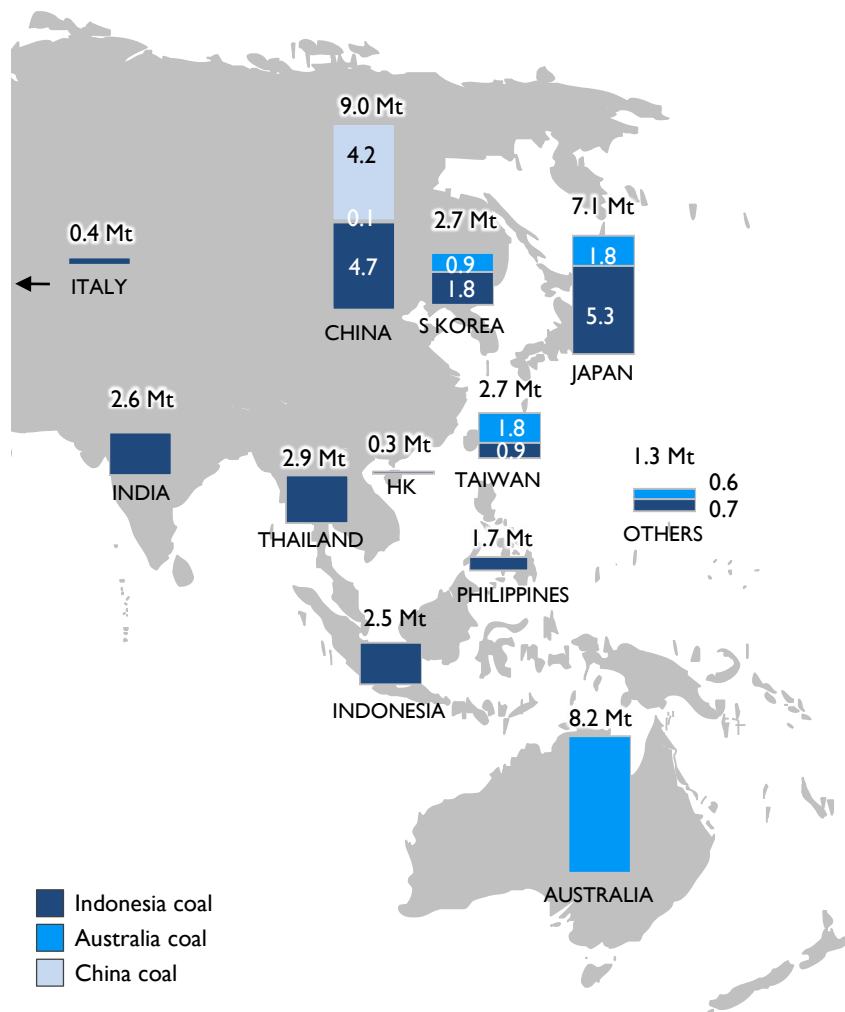
Unit: Mt



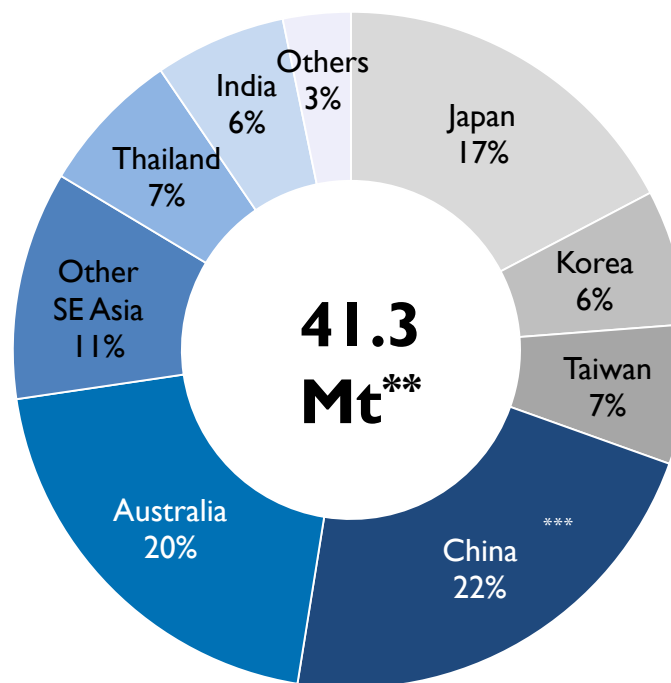
- Coal shortages restricted operations of 12 GW coal-fired capacity in 4Q2017
- A steep decline in power plant stocks forced utilities to reduce generation, leading to unscheduled power cuts affecting different parts of the country
- Coal India Ltd (CIL) prioritized supply to grid-connected power plants, less volume was available for sales in spot market
 - *Captive power plants and other consumers experienced tighter supply, led to higher reliance on imported coal*
- With stricter environmental regulation on petroleum coke use and higher import tariffs, US thermal coal imports were increased over the past few months
- Government allows mines to expand up to 40% of its capacity without conducting a public hearing in order to ramp up supply
- CIL announces ~10 % price increase for all grades of domestic thermal coal to offset the impact of a higher wage bill

Banpu group coal sales 2017

COAL SALES* SOURCE – DESTINATION ANALYSIS 2017



GLOBAL COAL SALES* 2017 BY REGION



Notes:

* Sales from Indonesia are included on 100% basis, sales from Australia and China are included on equity basis

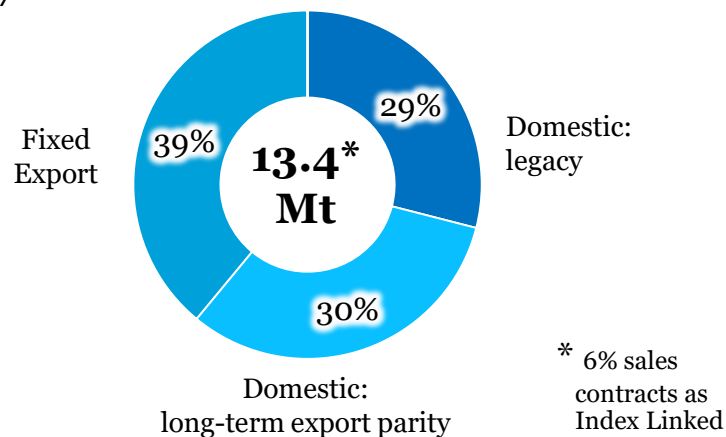
** Illustrative target

*** Include coal sales from domestic production in China

Banpu coal sales pricing status

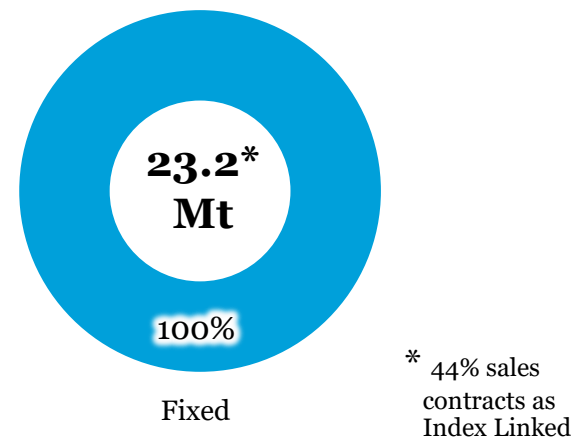
AUSTRALIA COAL

2017

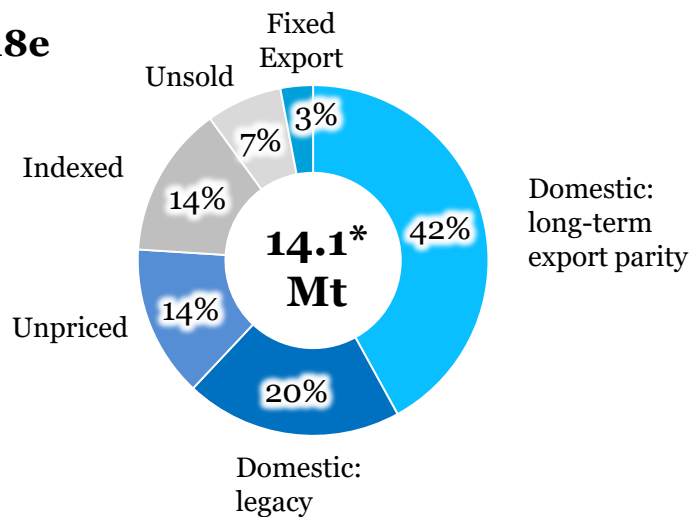


INDONESIA COAL

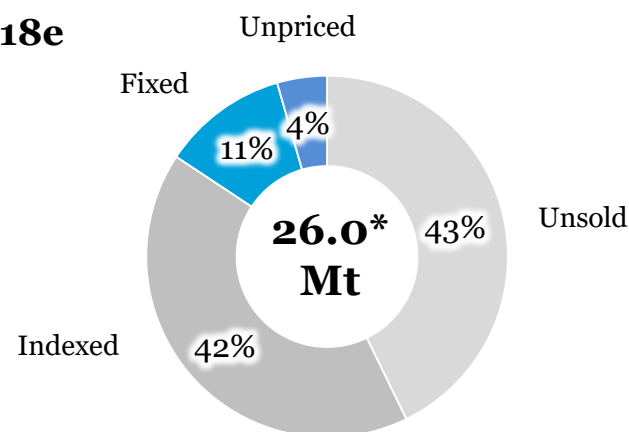
2017



2018e



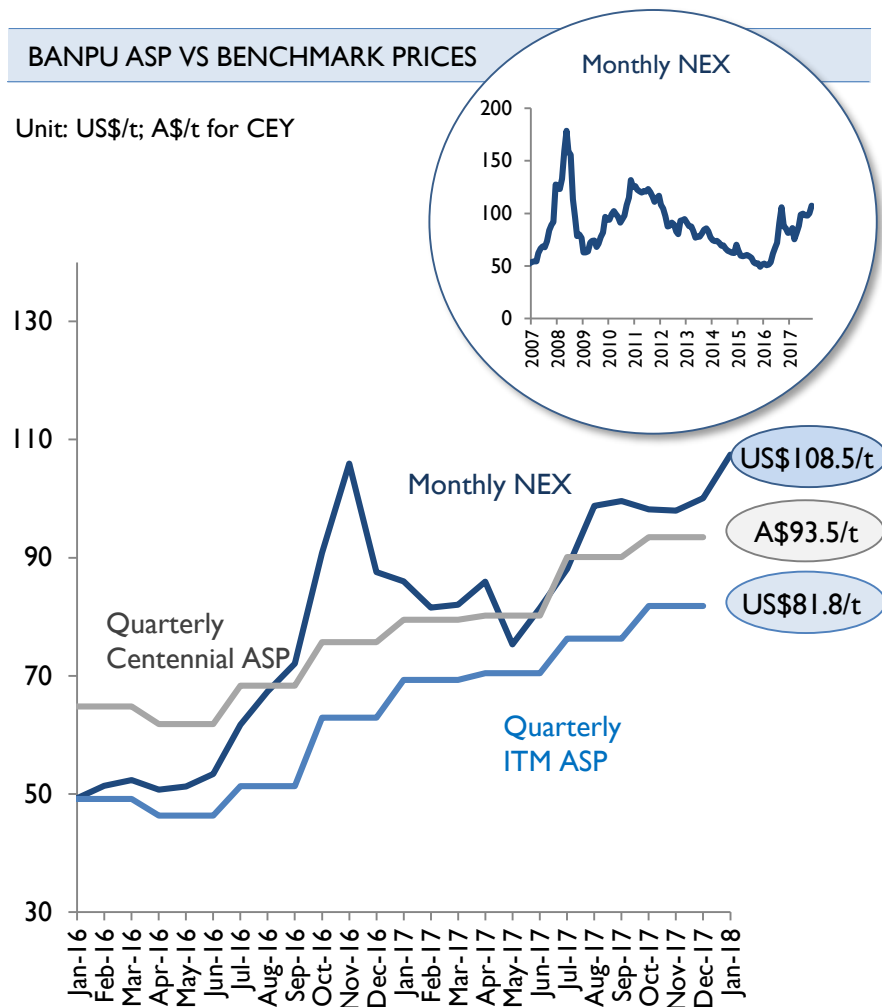
2018e



Banpu ASPs vs thermal coal benchmark prices

BANPU ASP VS BENCHMARK PRICES

Unit: US\$/t; A\$/t for CEY



COMMENTS

- 4Q17 ASP firmed according to supply tightness
 - ITM ASP: US\$81.8/t* (+7% QoQ)
 - CEY ASP: A\$93.5/t* (+4% QoQ)
 - NEX (Feb 15, 2018)**: US\$103.5/t
- Market continued strong in 4Q17 with significant increased QoQ
- Supply tightness expected to continue into 1Q18 due to bad weather, together with strong winter demand

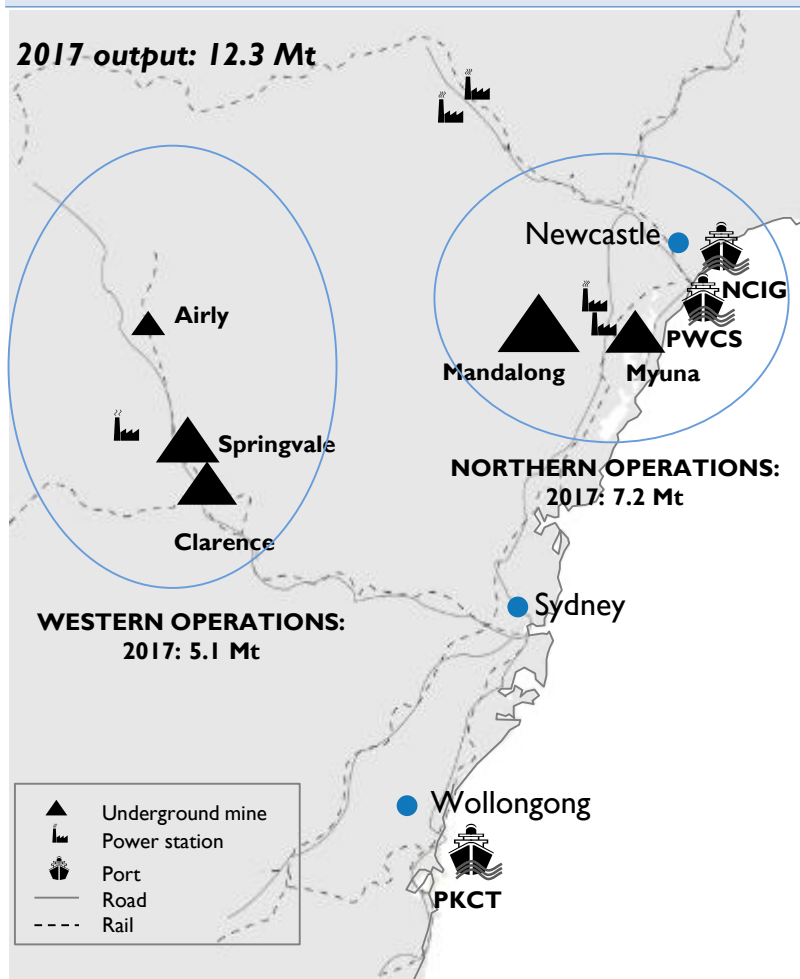
Note: * Included post shipment price adjustments as well as traded coal

** The Newcastle Export Index (previously known as the Barlow Jonker Index – BJl)

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Australia: operational and financial summary

2017 OUTPUT (ROM EQUITY BASIS)



KEY UPDATES

Production

- Equity ROM: 3.0 Mt (down 8% QoQ but up 8% YoY)
- Longwall changeover at Springvale during the quarter
- Mandalong back in full production mid October 2017
- Production records achieved at Clarence and Airly

ASP

- 4Q17: ~A\$92/t vs 3Q17: ~A\$85/t, ASP benefitting from improved domestic and export spot prices, partly offset by higher A\$/US\$ exchange rate on export sales
- Sales volume up 6% QoQ and up 15% YoY – as result of timing of sales
- Quarterly domestic: export split 62%:38% (3Q17: 61:39%) (2017: 61%:39%)

FINANCIAL SUMMARY

	2017	YoY	4Q17	QoQ
Sales revenue	A\$1,112 M	▲28%	A\$331 M	▲14%
EBITDA	A\$287 M	▲98%	A\$92 M	▲11%
PBT	A\$117 M	▲571%	A\$49 M	▲24%
NPAT	A\$85 M	▲393%	A\$36 M	▲27%

Gearing

(Net debt to net debt + book value of equity)

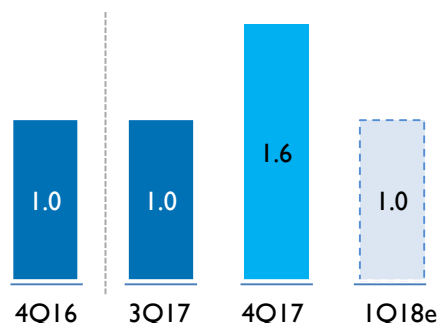
34% (FY2016: 39%)

Note: NCIG = Newcastle Coal Infrastructure Group; PWCS = Port Waratah Coal Services; PKCT = Port Kembla Coal Terminal.

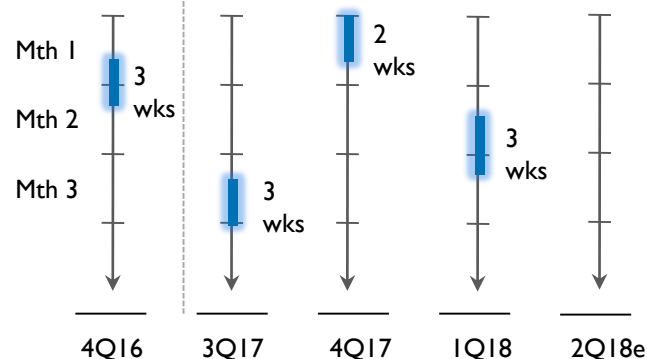
Australia: northern operations quarterly output

MANDALONG

COAL OUTPUT (Mt)¹
CV: 6,700 kcal/kg²

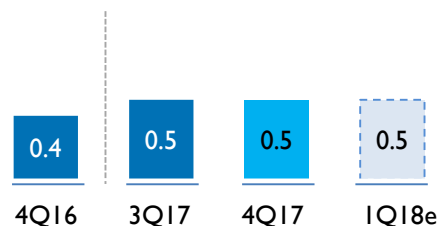


LW³ MOVE SCHEDULE



MYUNA

COAL OUTPUT (Mt)¹
CV: 6,700 kcal/kg²



COMMENTS

- **Mandalong:** Production up 66% QoQ and 57% YoY, with an extended LW changeover completed in mid-October, following gas management issues. LW now back in full production
- **Myuna:** Production down 18% QoQ, but up 19% YoY
 - Impacted by poor geological conditions and equipment availability with respect to a hired miner, temporarily installed while awaiting the delayed delivery and introduction of a third super panel
 - Third Super Panel to be introduced in 1Q18

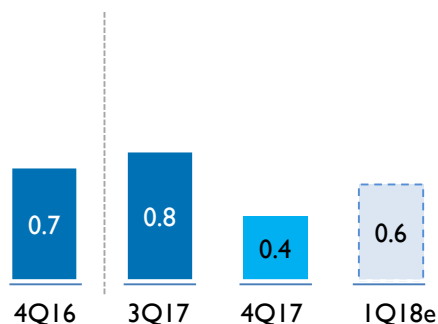
Myuna received a prestigious mining award for the development of an innovative mining method, the 'Myuna Herringbone System'

Note: 1 ROM output on an equity basis
2 CV figures are air-dried basis
3 Longwall

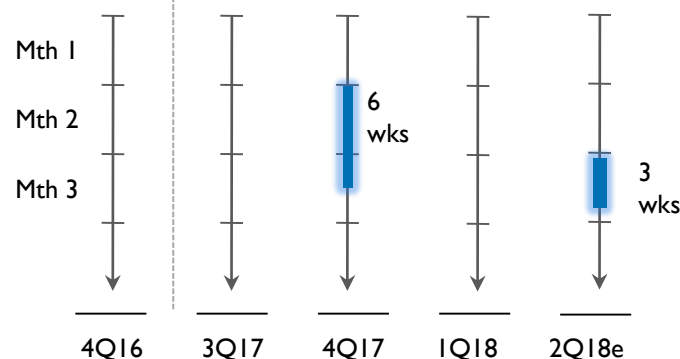
Australia: western operations quarterly output

SPRINGVALE

COAL OUTPUT (Mt)¹
CV: 6,700 kcal/kg²

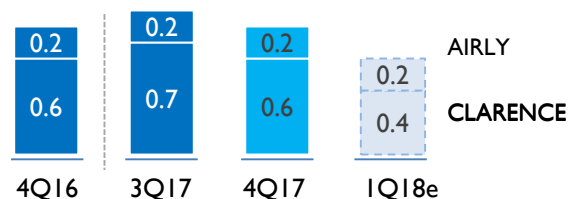


LW³ MOVE SCHEDULE



OTHER OPERATIONS

COAL OUTPUT (Mt)¹
CV: 6,700 kcal/kg²



COMMENTS

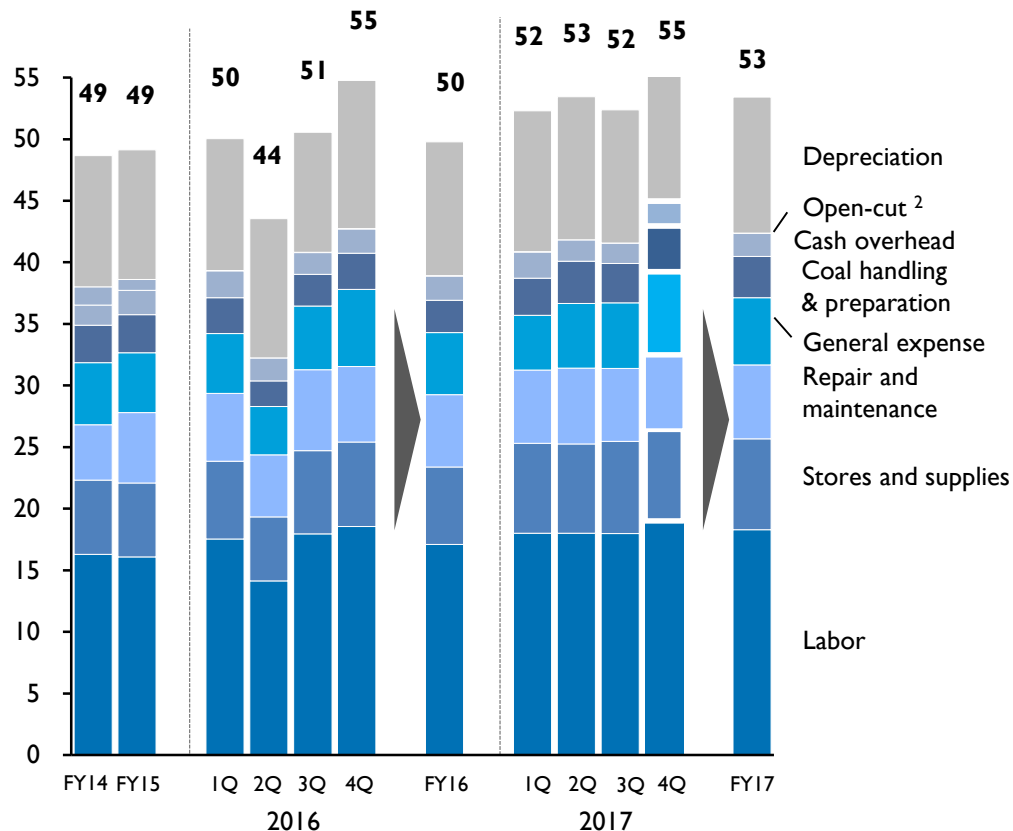
- **Springvale:** Output down 69% QoQ, and 64% YoY
 - Delayed LW changeover , after encountering a lithology zone. Full production recommenced mid-Dec 2017
 - Mine in full production during the comparison periods
- **Clarence:** Output down 28% QoQ, but up 5% YoY
 - Despite encountering an unusual fault during the quarter, a new half-yearly record was achieved
- **Airly:** Output down 20% QoQ and 10% YoY
 - New all-time half-yearly and annual production records achieved during quarter
 - 2018 focus is on development in preparation for the narrow panel extraction mining, planned to commence in 2019

Note: 1 ROM output on an equity basis
2 CV figures are air-dried basis
3 Longwall

Australia: operating costs

AVERAGE PRODUCTION COST ¹

Unit: A\$/t



COMMENTS

- Focus remains firmly on cost control and improving productivity through automation and the Step Change Productivity initiative
- Several mines experienced poor geology during 4Q17, while Myuna also experienced some equipment issues
- Mandalong now operating in a higher gas regime
- Springvale experienced a delayed longwall start-up, as it navigated a lithology zone.
- Looking forward:
 - Continue to develop automation, technology, digital and engineering opportunities
 - Manage gas levels at Mandalong; progress use of gas for electricity generation to meet internal needs
 - Reduce distribution costs , increasing distribution efficiency, and undertaking logistics review
 - Organic production growth options

Note: ¹ These figures do not include selling, distribution and royalty costs; based on 'sold' production

² Open-cut production ceased in FY2015

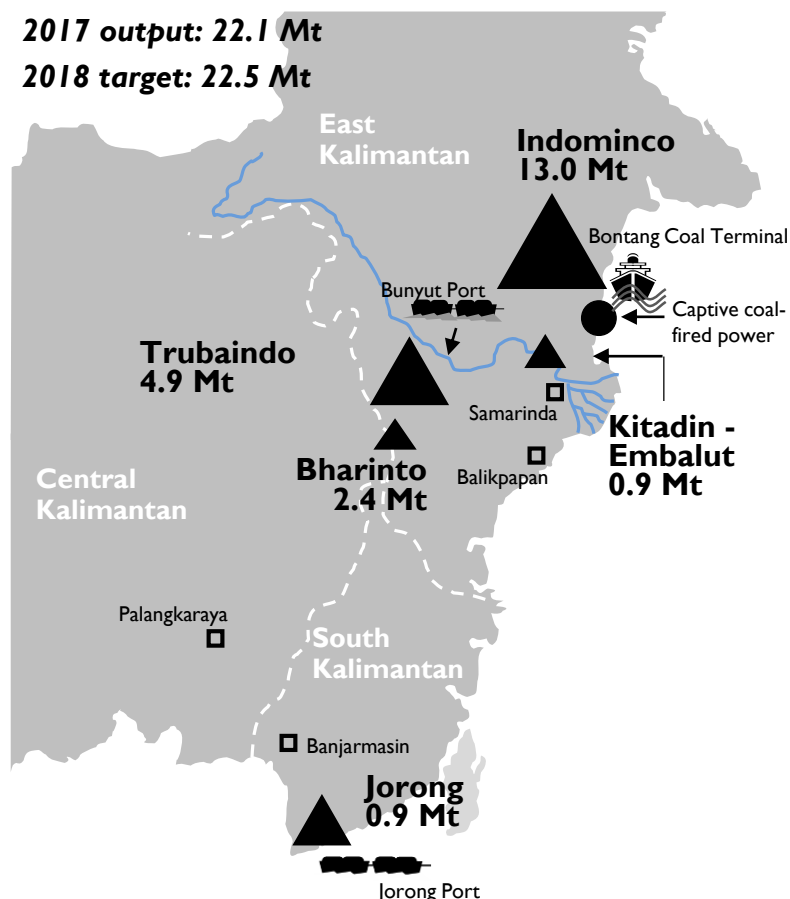
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Indonesia: operational and financial summary

PRODUCTION OUTPUT* 2017

2017 output: 22.1 Mt

2018 target: 22.5 Mt



KEY UPDATES - 4Q17 PRODUCTION AND PROGRESS

- Indominco : 4Q17 output was 3.3Mt, close to target despite weather condition at Indominco
- Trubaindo: 4Q17 production output was 1.5Mt, slightly lower than target due to heavy rainfall
- Bharinto : 4Q17 output was 0.6Mt, close to target despite weather condition
- Embalut: Achieved production output target of 0.3Mt
- Jorong: Achieved production output target of 0.3Mt

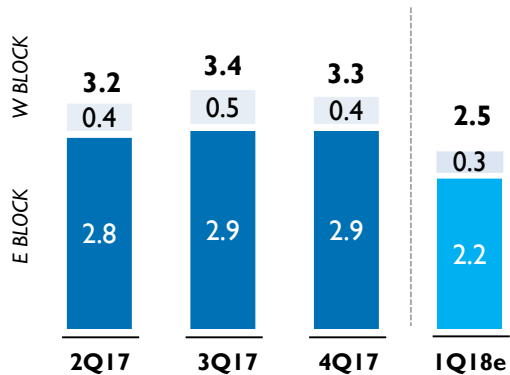
FINANCIAL SUMMARY

	2017	YoY	4Q17	QoQ
Sales revenue	US\$1,690M	▲ 24%	US\$526M	▲ 27%
EBITDA	US\$448M	▲ 66%	US\$137M	▲ 12%
PBT	US\$362M	▲ 89%	US\$112M	▲ 23%
NPAT	US\$253M	▲ 93%	US\$80M	▲ 20%

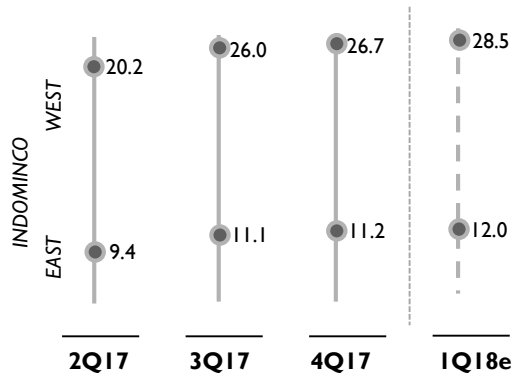
Indonesia: quarterly output

INDOMINCO - BONTANG

COAL OUTPUT (Mt)*
CV: 5950 - 6250 kcal/kg**

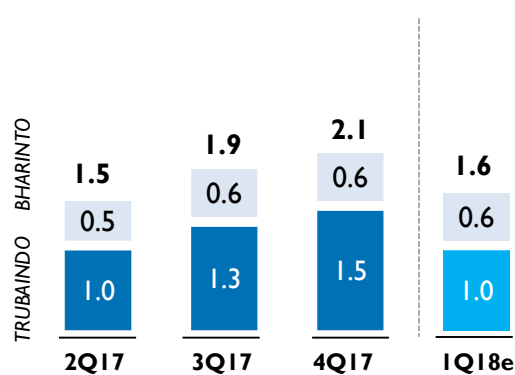


STRIP RATIOS (bcm/t)

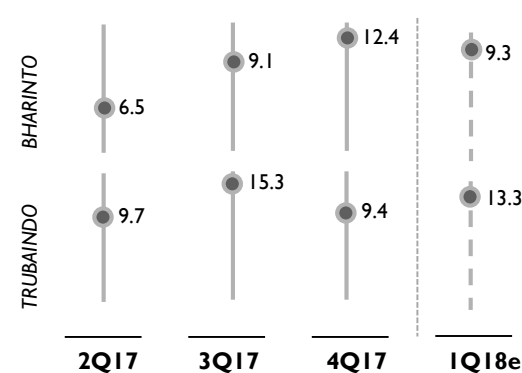


TRUBAINDO - BHARINTO

COAL OUTPUT (Mt)*
CV: 6550 - 6700 kcal/kg**

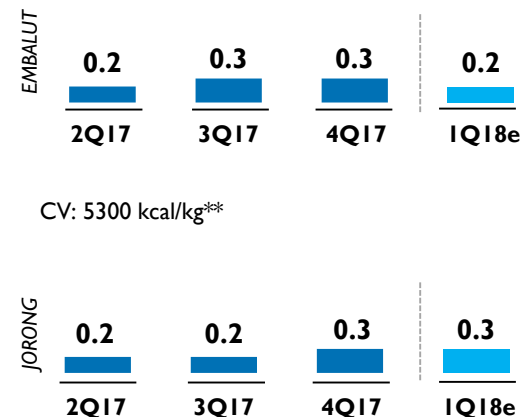


STRIP RATIOS (bcm/t)

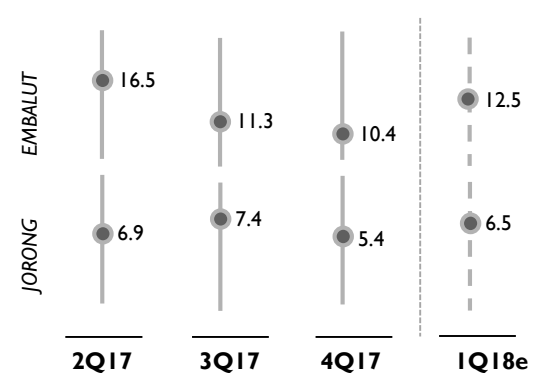


EMBALUT - JORONG

COAL OUTPUT (Mt)*
CV: 5800 kcal/kg**



STRIP RATIOS (bcm/t)

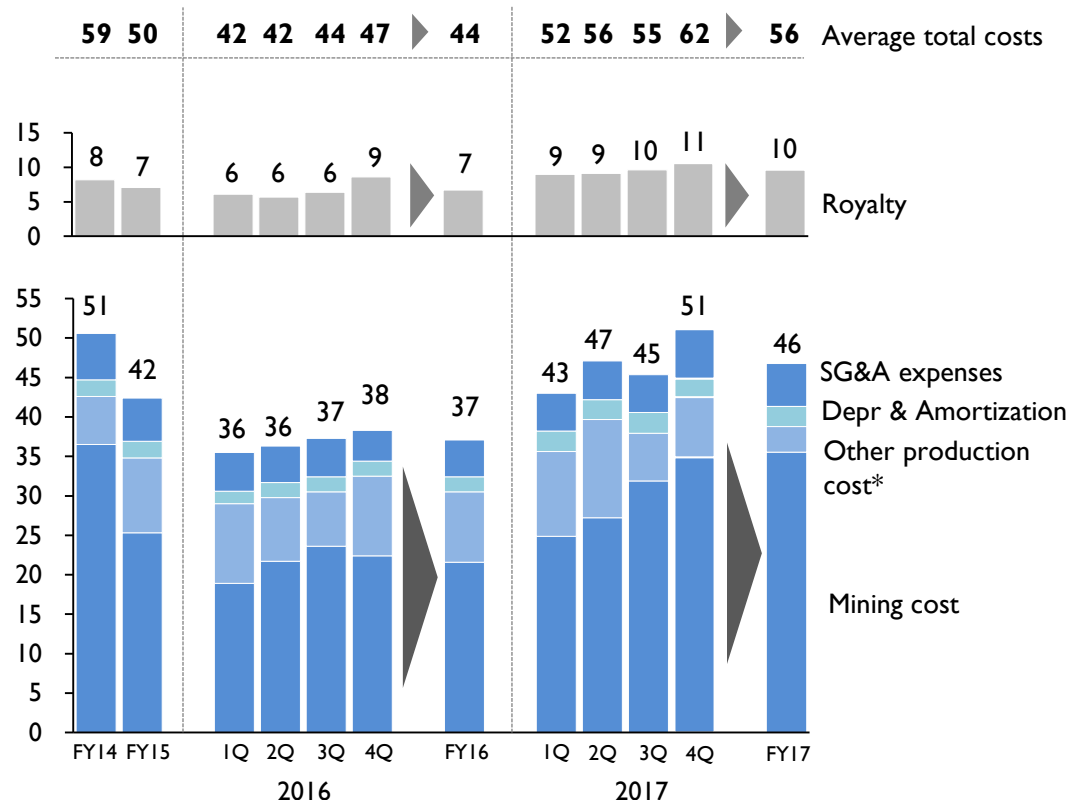


Note: *Output figures are 100% basis
**CV figures are air-dried basis

Indonesia: total costs

INDICATIVE AVERAGE TOTAL COSTS

Unit: US\$/t



COMMENTS

- 4Q17 average total cost higher than 3Q17 mainly due to:
 - Higher royalty cost due to higher ASP in 4Q17
 - Higher oil price by 16%
- 2017 average total cost higher than 2016 mainly due to:
 - Optimized stripping ratios in 2017 as result of coal price and coal quality improvement
 - Higher royalty cost as a result of higher ASP in 2017
 - Higher oil price by 26%

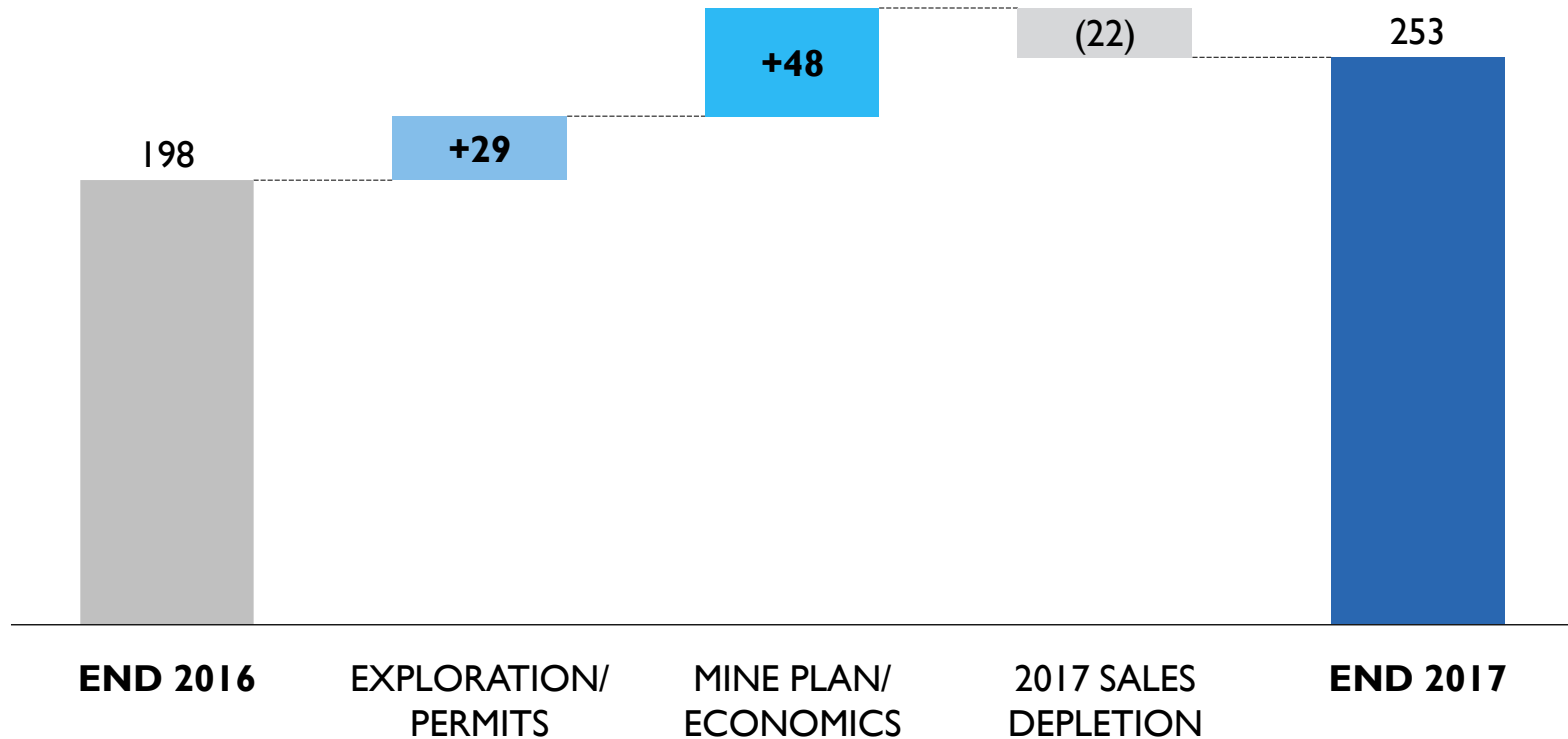
Note: * Repair and maintenance, salaries and allowances, inventory adjustment, etc.

Change in Indonesia coal reserves 2017 (100% basis)

Unit: Mt



Coal reserves increased by 77 Mt from 2016



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China and Mongolia summary

CHINA COAL 2017 PRODUCTION



GAOHE OPERATIONAL UPDATES

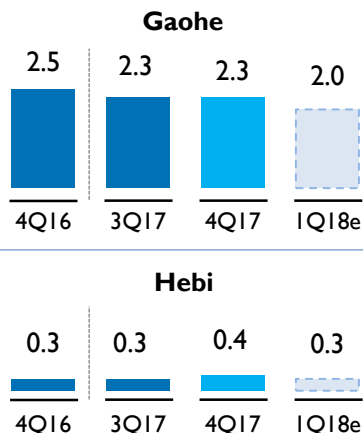
- Stable production with continued focus on safety. Enforcement of stricter environmental policies, impacted on coal truck transportation and sales
- Demand in winter has picked up for the seasonal heating supply. Overall coal market remains stable with increased demand and transportation constraints along supply chain

HEBI OPERATIONAL UPDATES

- Higher production QoQ due to stable mining conditions
- Continue to manage gas drainage and work on improving development rate
- Safety work remains a priority in order to ensure continuous production. HZTM has applied for Class I Safety Coal Mine status

4Q16-4Q17 CHINA COAL OUTPUT*

Unit: Mt ROM



Note: * Output figures are ROM output (100% basis)

Gaohe summary	1Q17	2Q17	3Q17	4Q17
Sales (Mt)	1.6	2.5	2.7	2.5
ASP (US\$/t)	81	78	81	84
Revenue (US\$M)	129	195	216	208
COGS (US\$/t)	42	41	44	55
EBITDA (US\$M)	80	111	117	100

MONGOLIA PROJECTS UPDATES

Tsant Uul

- Collaborate with potential pyrolysis vendors and oil upgrading vendors to add more value to tar oil and char¹

Unst Khudag and Altai Nuurs

- Preliminary feasibility study for UK coal conversion
- Received DEIA² report for mining from MEGD³

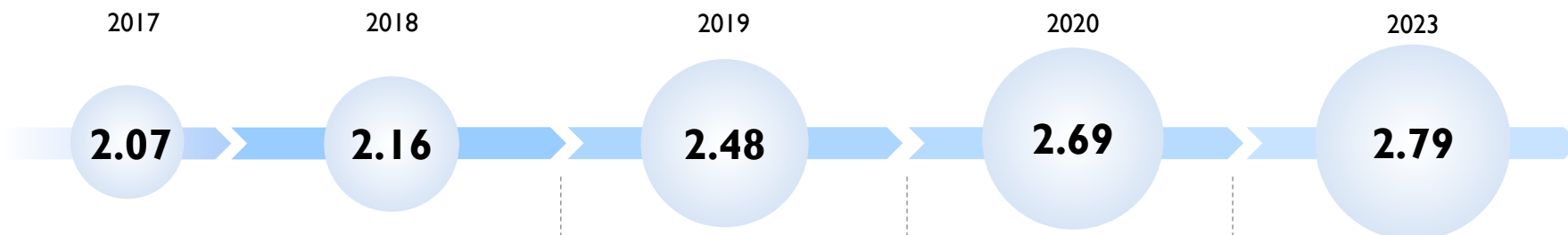
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4Q17 Banpu Power overview

				
				
THAILAND	LAOS	CHINA		JAPAN
BLCP	Hongsa	CHP	Solar	Solar
<i>Performance mainly impacted by Unit 1 major overhaul</i>	<i>Stable reliability YoY. Unit 3 on inspection</i>	<i>Better performance due to winter season</i>	<i>Performance slightly impacted by winter season</i>	<i>Performance slightly impacted by winter season</i>
▪ EAF* of 66% decreased from 88% in 3Q17 due to Extended Major Overhaul (EMJ) for 10 weeks ▪ EBITDA of THB 0.7 Bn, -59% QoQ ▪ Profit contribution of THB -0.2 Bn	▪ EAF* of 83% despite plant inspection ▪ EBITDA of THB 2.8 Bn, -15% QoQ ▪ Profit contribution of THB 0.4 Bn, -30% QoQ	▪ EBITDA increased to RMB 126 M, +334% QoQ SLG ▪ Expected COD in 2019-2020	▪ Revenue in total of RMB 31 M, -14% QoQ ▪ Total equity portfolio of 152.1 MW_{DC} all in operation	▪ Capacity factor decreased to 10%, -5% QoQ ▪ Total portfolio of 233.3 MW_{AC}, in which 12.6 MW_{AC} in operation, 44.5 MW_{AC} to COD in 2018 and 176.2 MW_{AC} under development

Power projects: 721MWe* pipeline to 2023

TOTAL OPERATING EQUITY CAPACITY AT YEAR-END (GWe)



GROWTH MILESTONES

CONVENTIONAL

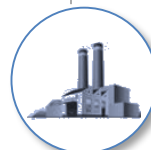
CHINA



Luannan expansion phase 2 (100%)
25 MW and 150 tph
(52 MWe*)



Luannan expansion phase 3 (100%)
25 MW and 150 tph
(52 MWe*)



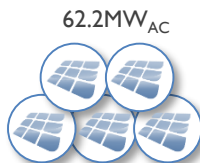
SLG Unit 1&2 (30%)
1,320 MW (396 MW)

RENEWABLES

JAPAN



Mukawa (56%) 17 MW_{AC} (9.5)
Yamagata (100%) 20 MW_{AC}
Nari Aizu (75%) 20.5 MW_{AC} (15)



44.5 MW_{AC}
Shirakawa (100%) 10 MW_{AC}
Yabuki (75%) 7 MW_{AC} (5.3)
Kurokawa (100%) 18.9 MW_{AC}
Hiroshima (100%) 8 MW_{AC}
Kessenuma (100%) 20 MW_{AC}



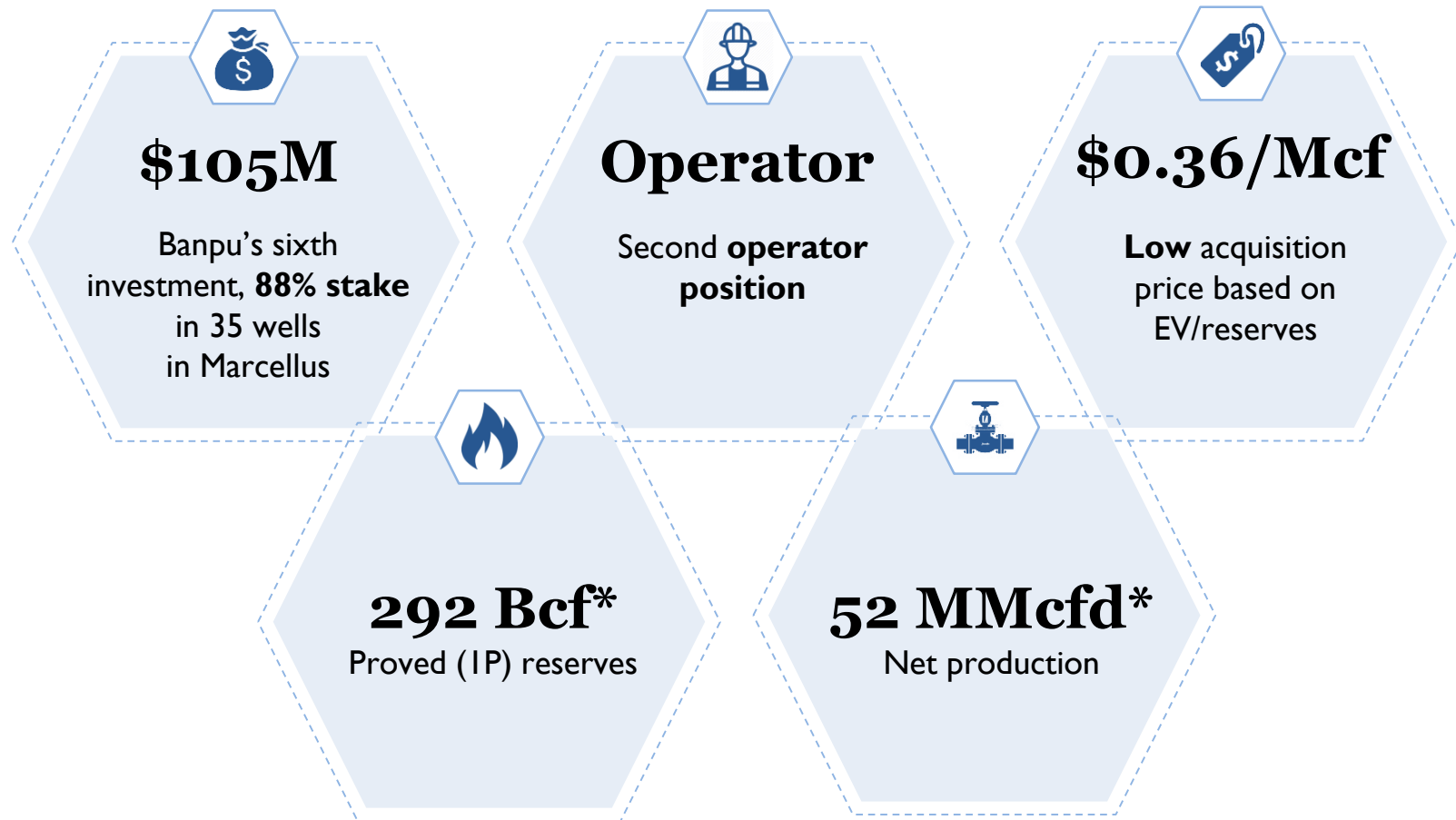
Onami (75%)
16 MW_{AC} (12)



Yamagata Iide (51%)
200 MW_{AC} (102)

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New gas investment (Dec 17): NEPA Corners-V



Note: * Net to Banpu basis
Bcf = Billion cubic feet of natural gas
Mcf = Thousand cubic feet of natural gas
MMcfd = Million cubic feet of natural gas produced per day

NEPA Corners-V vs US gas comparables

ACQUISITION PRICE*	COMMENTS												
EV/1P Reserve (\$/Mcf) <table><tr><th>Metric</th><th>NEPA Corners-V</th><th>Average leading US gas producers</th></tr><tr><td>EV/1P Reserve (\$/Mcf)</td><td>0.36</td><td>1.49</td></tr><tr><td>EV/ Daily production (\$/Mcf/day)</td><td>2,019</td><td>5,155</td></tr><tr><td>EV/EBITDA 2018e (x)</td><td>7.0</td><td>7.8</td></tr></table>	Metric	NEPA Corners-V	Average leading US gas producers	EV/1P Reserve (\$/Mcf)	0.36	1.49	EV/ Daily production (\$/Mcf/day)	2,019	5,155	EV/EBITDA 2018e (x)	7.0	7.8	- NEPA Corners-V has been acquired at low acquisition price compared to average leading US gas producers with focus on Marcellus - Warren Resources (existing major operator) will operate NEPA Corners-V for about 6 months before Banpu group via affiliates gradually takes operational control
Metric	NEPA Corners-V	Average leading US gas producers											
EV/1P Reserve (\$/Mcf)	0.36	1.49											
EV/ Daily production (\$/Mcf/day)	2,019	5,155											
EV/EBITDA 2018e (x)	7.0	7.8											
EV/ Daily production (\$/Mcf/day)													
EV/EBITDA 2018e (x)													
● NEPA Corners-V ● Average leading US gas producers													

Note:

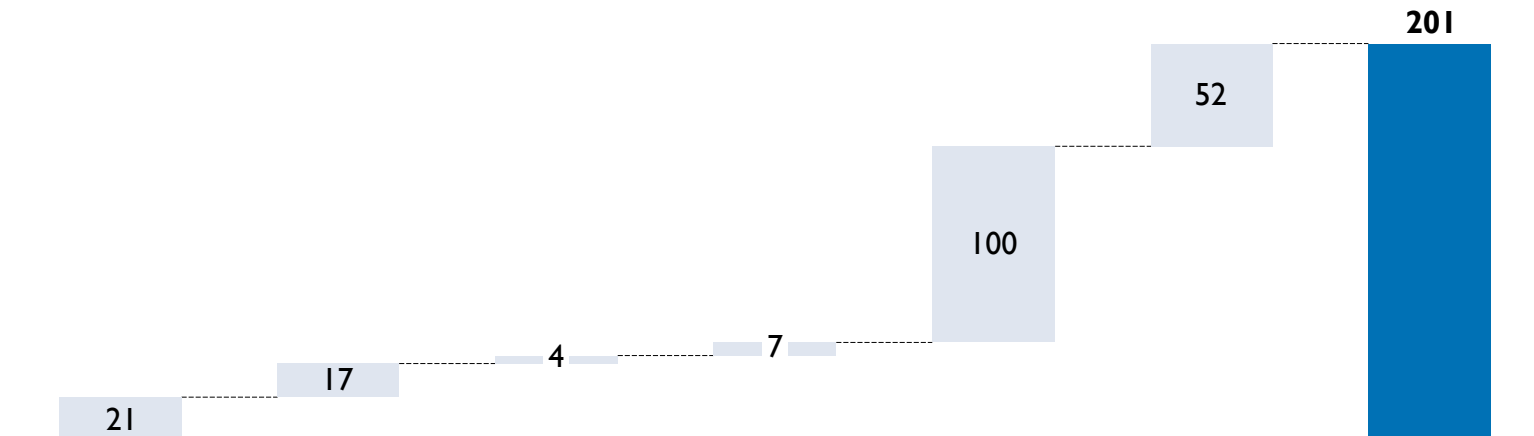
* Comparable EV metrics compiled by Macquarie Capital based on SEC filings and company presentations (11 companies: EQT, Chesapeake Energy, Cabot Oil and Gas, Antero, Rice Energy, Range Resources, Southwestern Energy, CONSOL, Gulfport, Carrizo Oil and Gas and Eclipse)

Banpu gas portfolio: 201 MMcfd gas production



GAS PRODUCTION

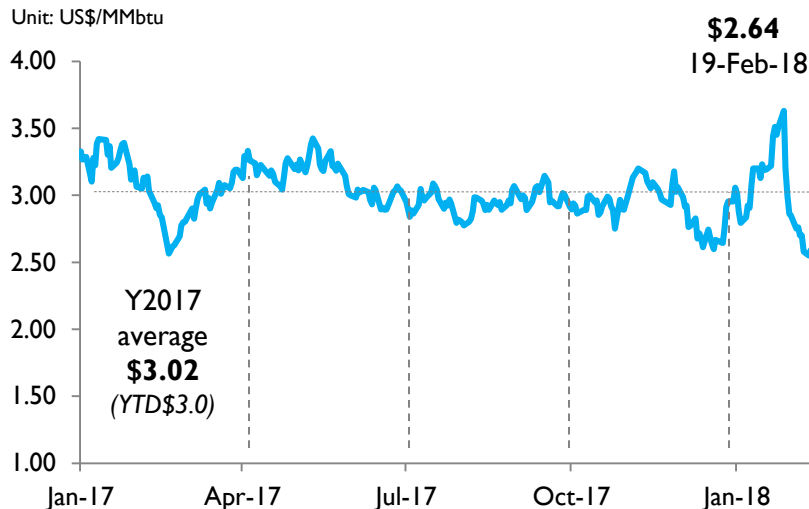
Unit: MMcfd



	CHAFFEE CORNERS	NEPA CORNERS-I	NEPA CORNERS-II	NEPA CORNERS-III	NEPA CORNERS-IV	NEPA CORNERS-V	TOTAL as of 2017
INVESTMENT (US\$ M)	112	63	16	16	210	105	522
EV PRICE/IP RESERVES (US\$/Mcf)	0.7	0.5	0.5	0.4	0.5	0.4	0.5

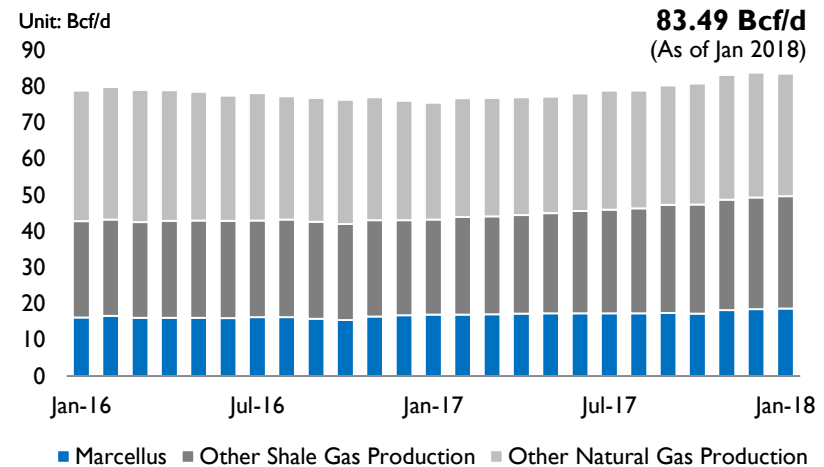
U.S. gas market update

AVERAGE HENRY HUB PRICE AS OF 19 FEB-18

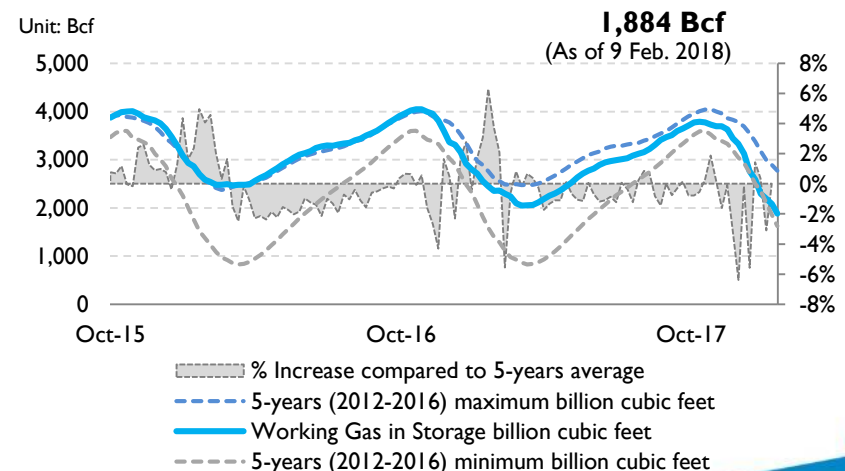


- Average gas price in last 12M has stayed at US\$3.0 per MMBtu level
- Though there was big pull on US storage during winter, the February temperatures likely to be more than 5% above 10-year normal benchmark pushed natural-gas futures down to \$2.64 per MMBtu, just over two weeks after prices topped \$3.50 for the highest finish in more than a year
- EIA comments: strong domestic natural gas production growth in 2018 should limit Henry Hub spot prices to an average US\$2.88/MMBtu, below previous forecasts and expected to average US\$2.92/MMBtu in 2019

U.S. TOTAL NATURAL GAS PRODUCTION



NATURAL GAS IN UNDERGROUND STORAGE

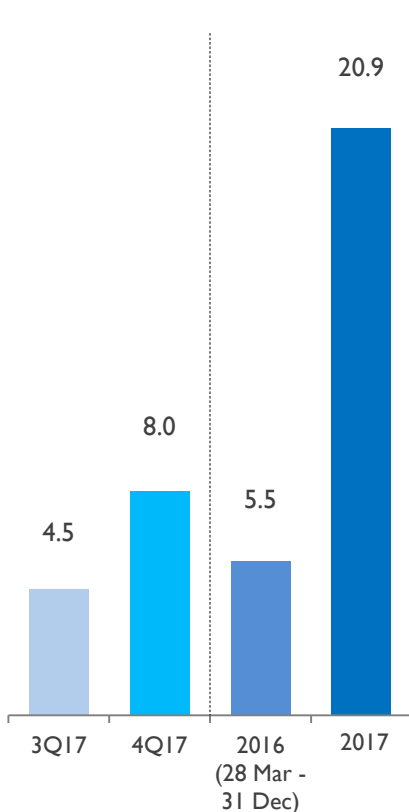


Gas business 4Q17 and FY2017 performance

Additional sales volume and return from acquisition of NEPA Corners-IV. Lower return from midstream as reversal of prior year accrual for partial G&C settlements we had anticipated to receive during 2017. Significant increase in selling and admin expenses related to due diligence expenditure allocated to the statement during 4Q17*

SALES VOLUMES

Unit: Bcf¹



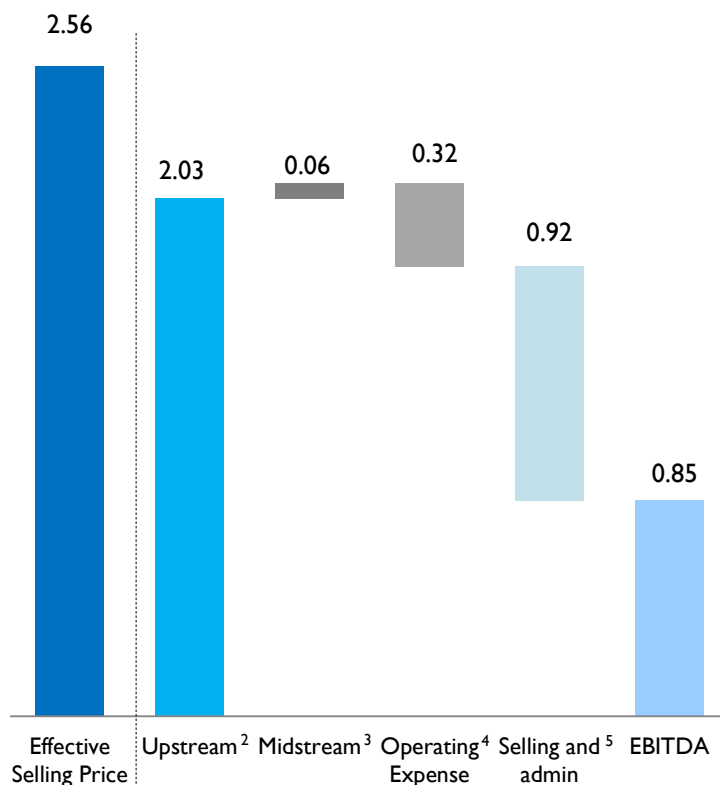
Note:

¹ Billion cubic feet

² Revenue after royalties and fees

4Q17 EBITDA BREAKDOWN PER UNIT

Unit: US\$/1000 Cubic Feet (Mcf)



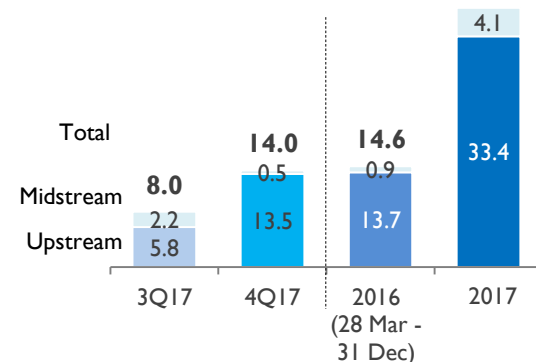
³ Pipeline recovery income

⁴ Lease operating expense and work over expenses

⁵ Taxes, marketing and transportation expenses, and administrative expense

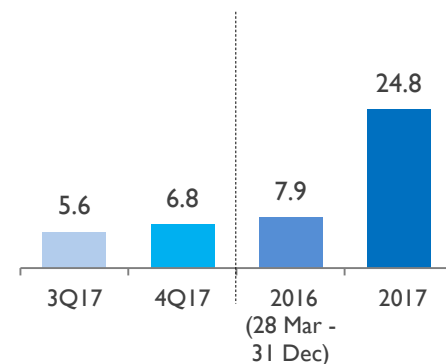
TOTAL REVENUE

Unit: US\$M



EBITDA

Unit: US\$M



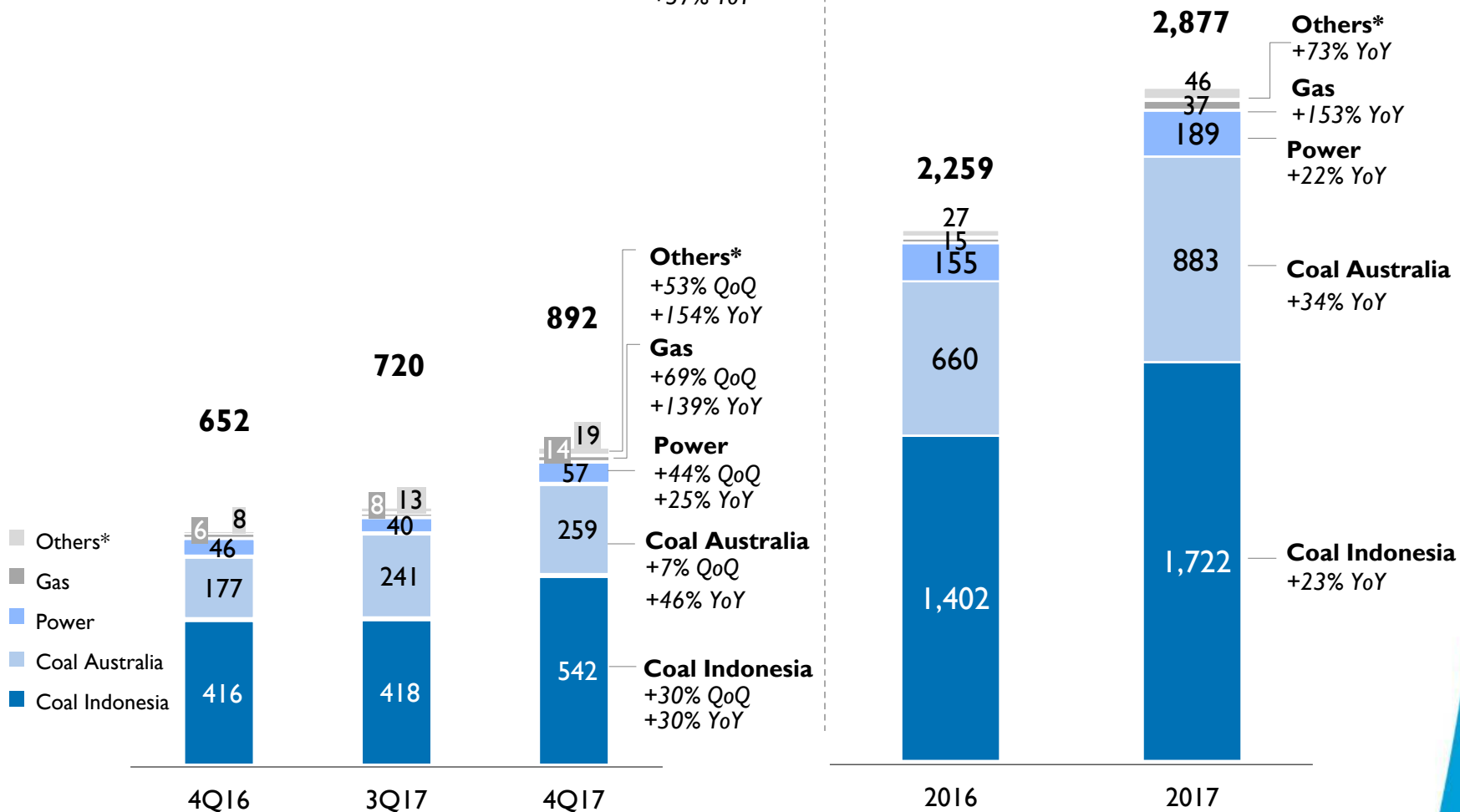
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Banpu consolidated sales revenues

USD million

+24% QoQ
+37% YoY

+27% YoY



Note: *Revenue from others includes coal trading, fuel business and other businesses

Banpu consolidated coal gross margin 2017: 40%

COAL GROSS MARGIN 4Q17 : 41%

COAL GROSS MARGIN 2017 : 40%

USD million

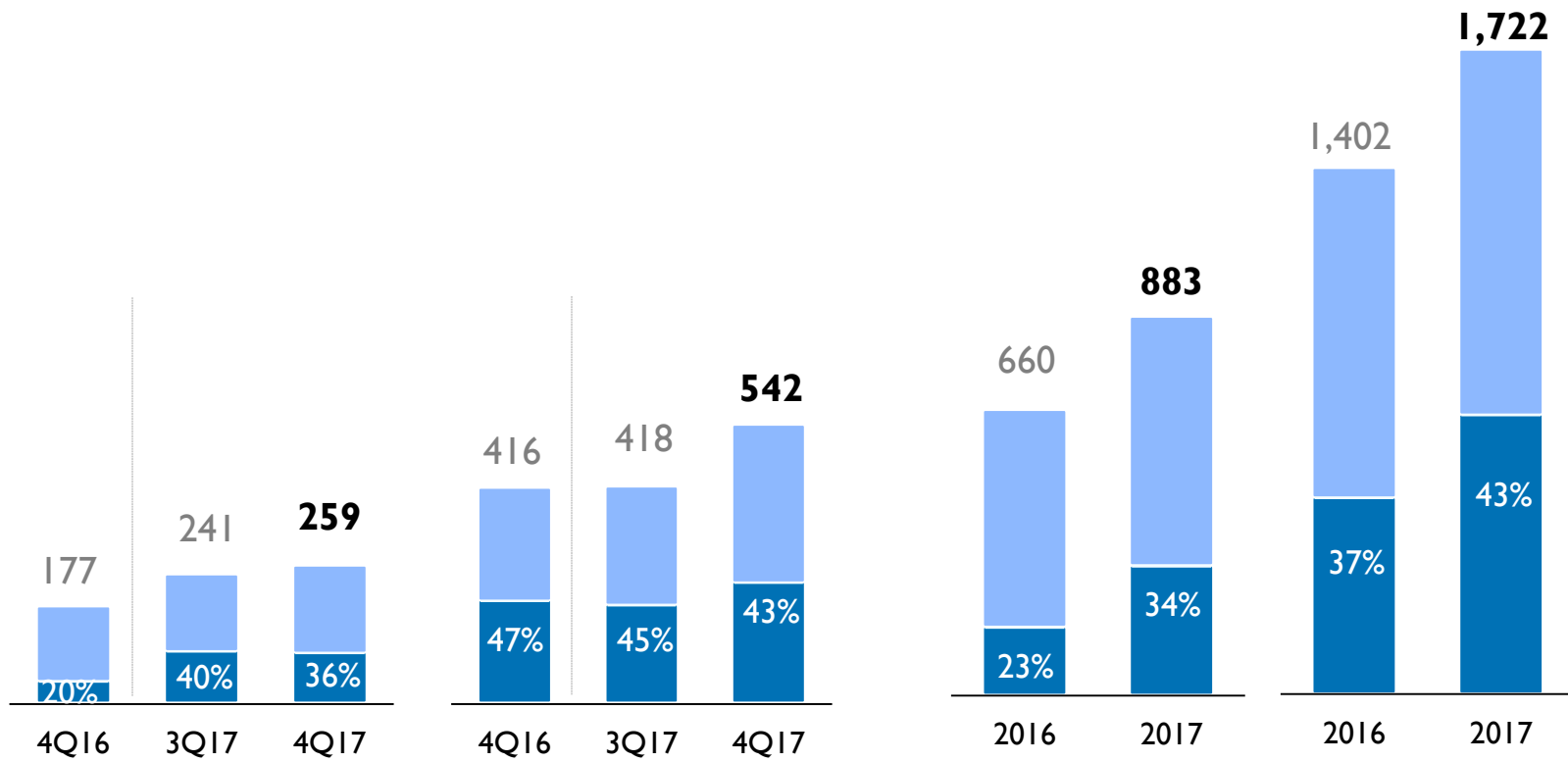
*Australia coal
gross margin: 36%*

*Indonesia coal
gross margin: 43%*

USD million

*Australia coal
gross margin: 34%*

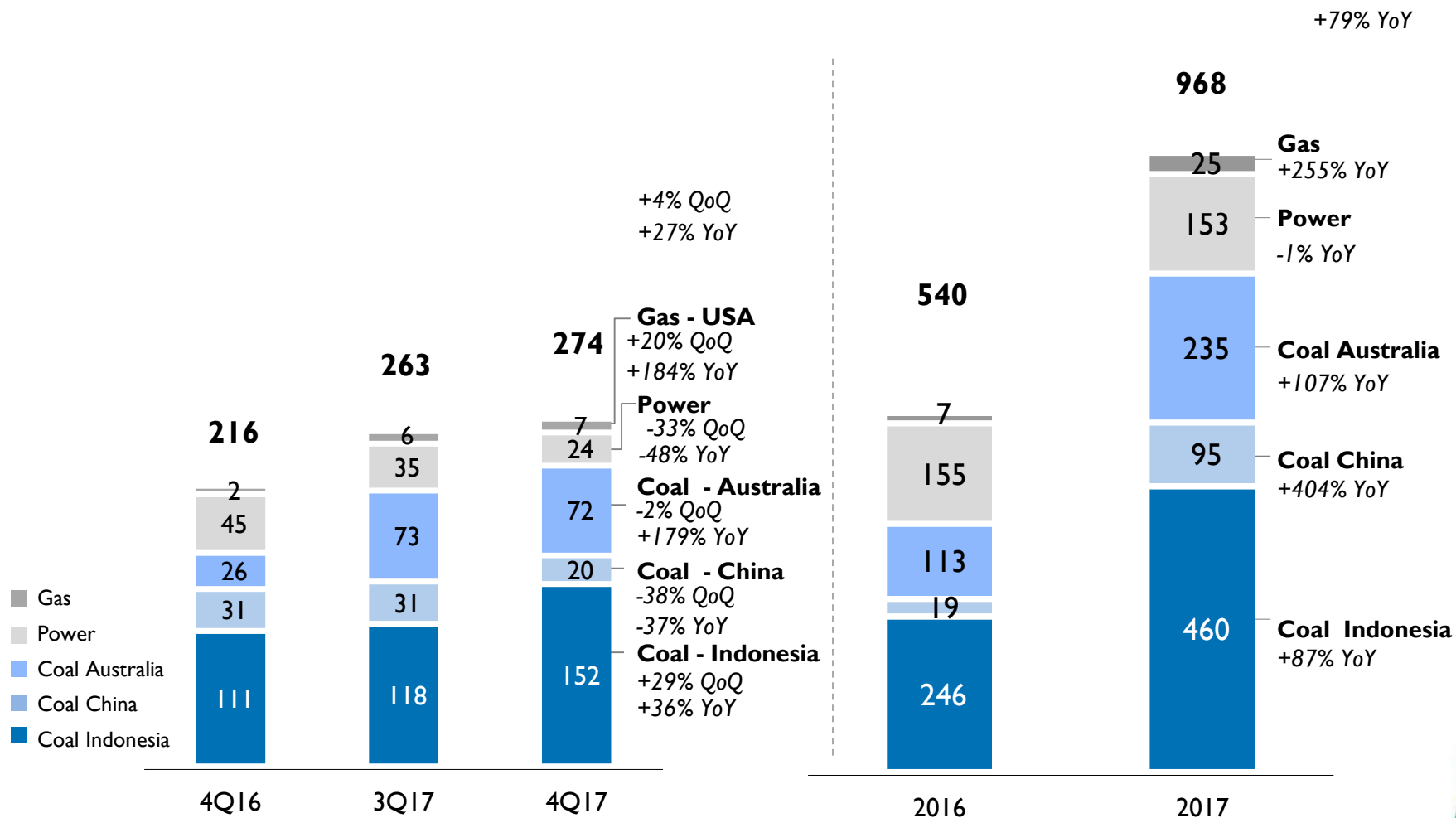
*Indonesia coal
gross margin: 43%*



Coal sales Gross margin

Banpu consolidated EBITDA

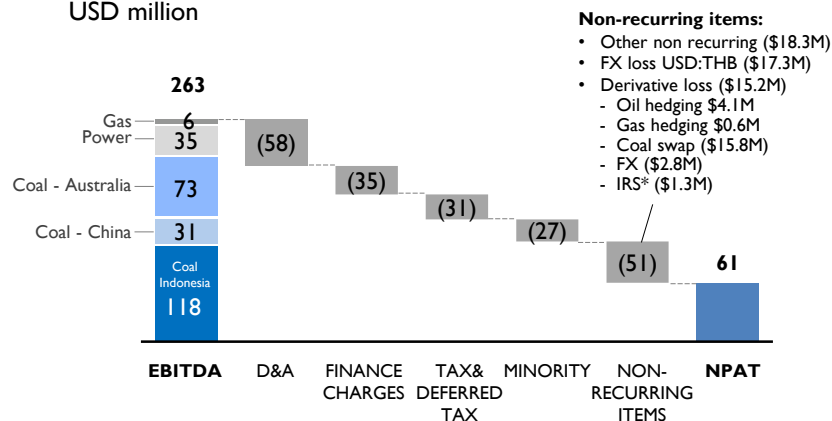
USD million



Banpu consolidated NPAT

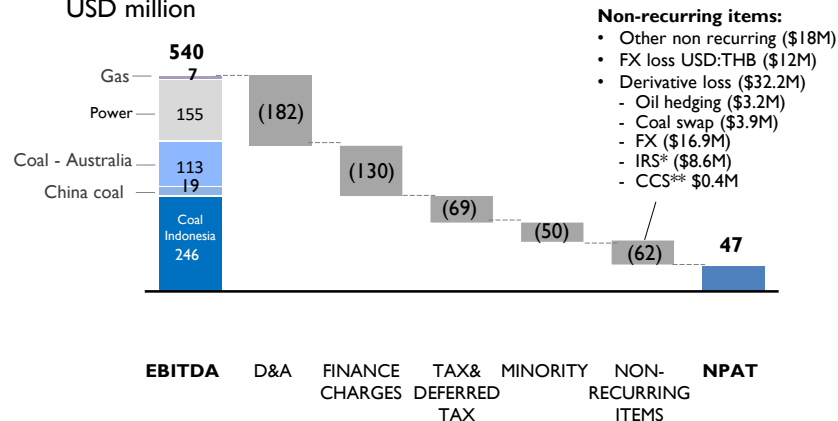
3Q17 NET PROFIT AFTER TAX

USD million



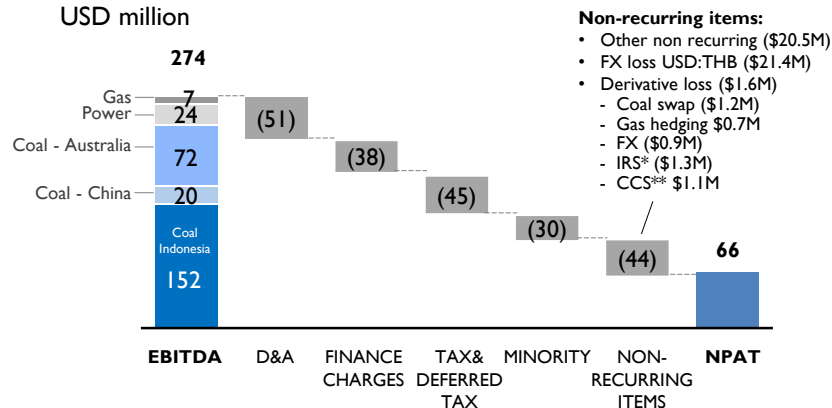
2016 NET PROFIT AFTER TAX

USD million



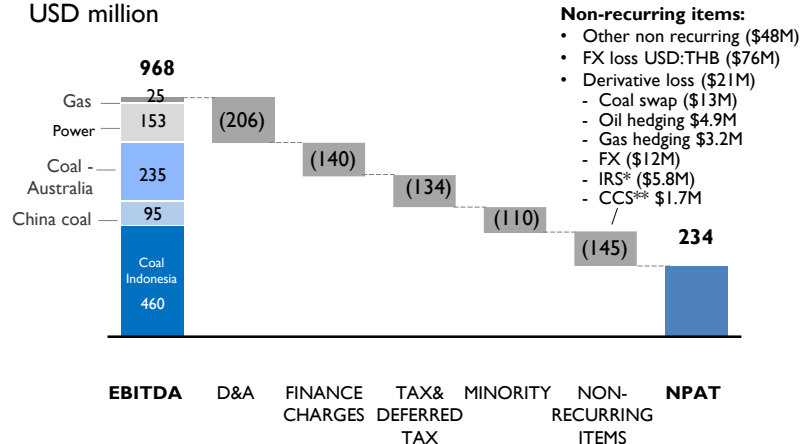
4Q17 NET PROFIT AFTER TAX

USD million



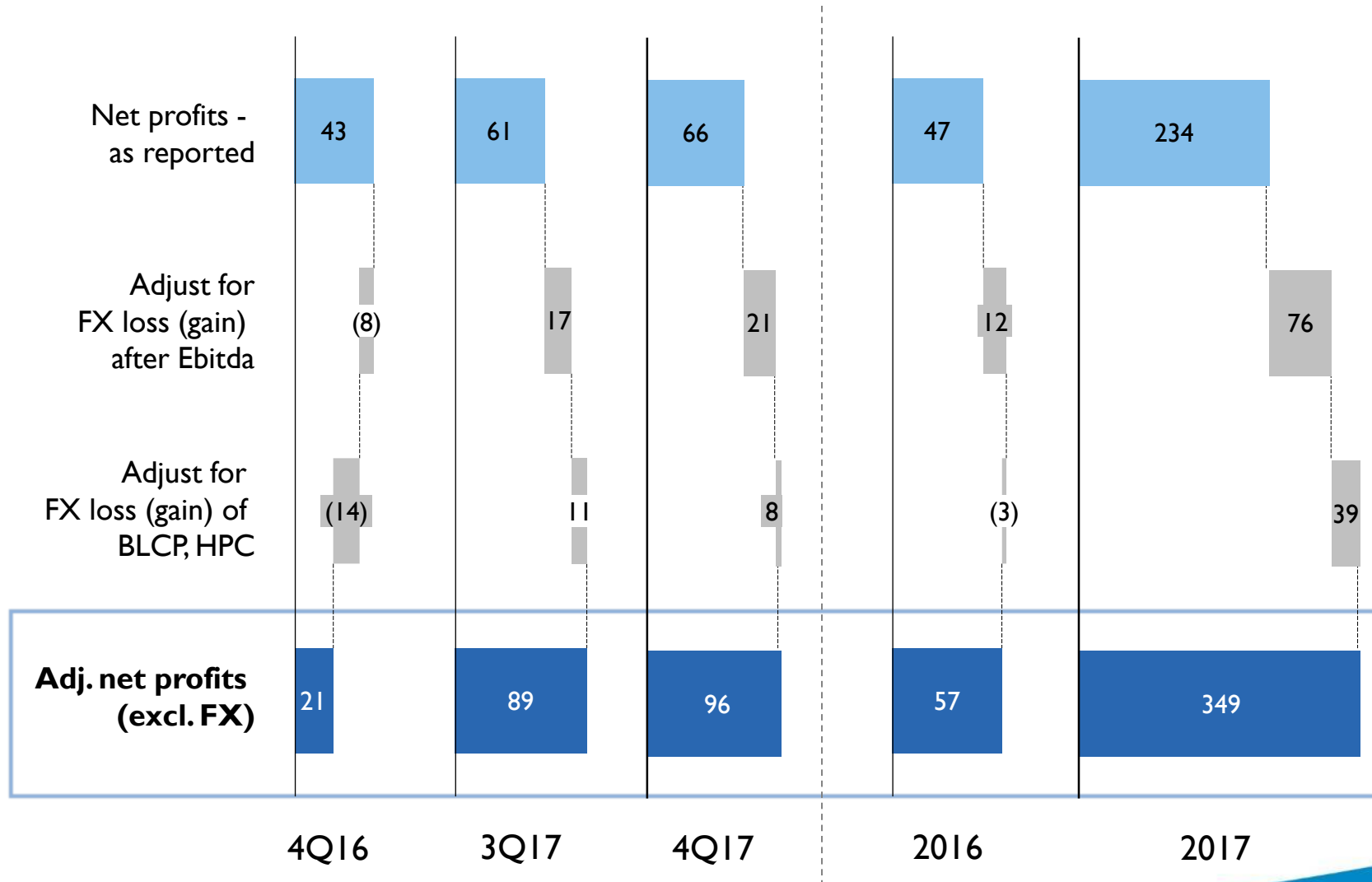
2017 NET PROFIT AFTER TAX

USD million



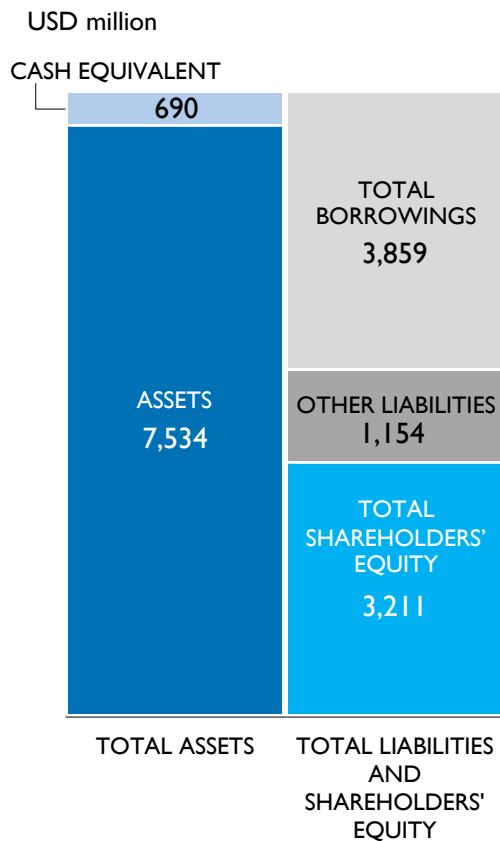
Note: net profits and FX impact

USD million

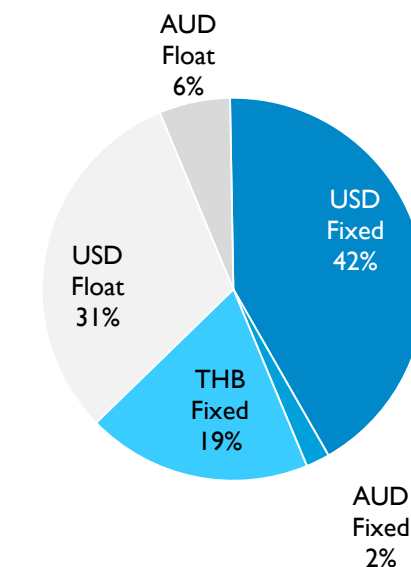


Banpu consolidated balance sheet

2017 CONSOLIDATED BALANCE SHEET



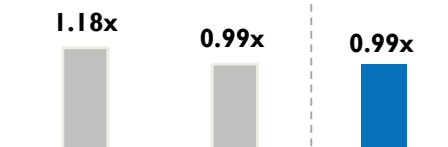
DEBT FX STRUCTURE



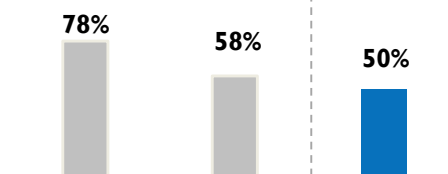
Total gross debt: US\$3.8 billion
As of 31 Dec 2017

GEARING RATIOS

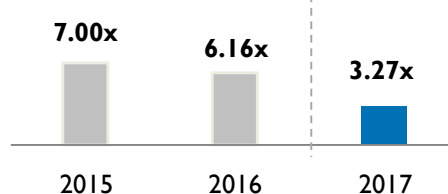
Net debt / Equity ¹ (x)



Net market gearing ² (%)



Net debt / EBITDA (x)



Note:

¹ Net debt to book value of shareholders' equity

² Net debt to enterprise value (enterprise value

= net debt + market capitalization as at 31 December 2017)

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Coal: strategic plan 2018 and beyond



RESERVES OPTIMIZATION

Increase reserves through both organic and inorganic growth



OPERATIONAL IMPROVEMENTS

Step Change Productivity initiative and automation at Centennial; cycle time improvement



LOGISTICS ENHANCEMENT

Hauling road upgrade
Rail optimization
Barge cycle time improvement at ITM



MARKETING OPTIMIZATION

Product mix optimization; customer base diversification; Continue to explore blending opportunities



THIRD PARTY COAL TRADING EXPANSION

Third party coal sourcing and trading business expansion



MARGINS ACROSS VALUE CHAIN

More usage of internal contractors; synergy with surrounding mines; fuel cost management

Banpu Power: strategic plan 2018 and beyond



4,300 MWE COMMITTED CAPACITY BY 2025

Targets $\geq 20\%$ renewables
as % of equity MW portfolio by 2025



EXPANSION OPPORTUNITIES

Actively evaluate new investment and
acquisition opportunities in
conventional power and renewables
throughout Asia-Pacific



OPERATIONAL IMPROVEMENT AND PROJECT DEVELOPMENT

Hongsa EAF $> 80\%$
BLCP unit 2 EMJ in 4Q18
China and Japan Solar operational stability
On-time projects development



SUSTAINABLE DEVELOPMENT AND CORPORATE GOVERNANCE

Continued successful CEO transition
Best practice IR and CG
Sustainability report initiation

Gas and Infinergy: strategic plan 2018 and beyond

GAS



STRENGTHEN MARKET POSITION

Build a critical mass portfolio of Marcellus Super Core assets to strengthen market position



OPERATIONAL IMPROVEMENTS

Develop synergies among assets within the portfolio; utilize big data analytics; leveraged established infrastructure



CAPABILITY ENHANCEMENT

Build in-house upstream gas skills and expertise; strengthen relationship with related parties

INFINERGY



300MW SOLAR ROOFTOP STRATEGIC GOAL

Expand capacity from current foothold domestically and internationally within the next 3-5 years



PARTNERSHIP WITH ENERGY TECHNOLOGY LEADERS

Leverage skills and expand knowledge

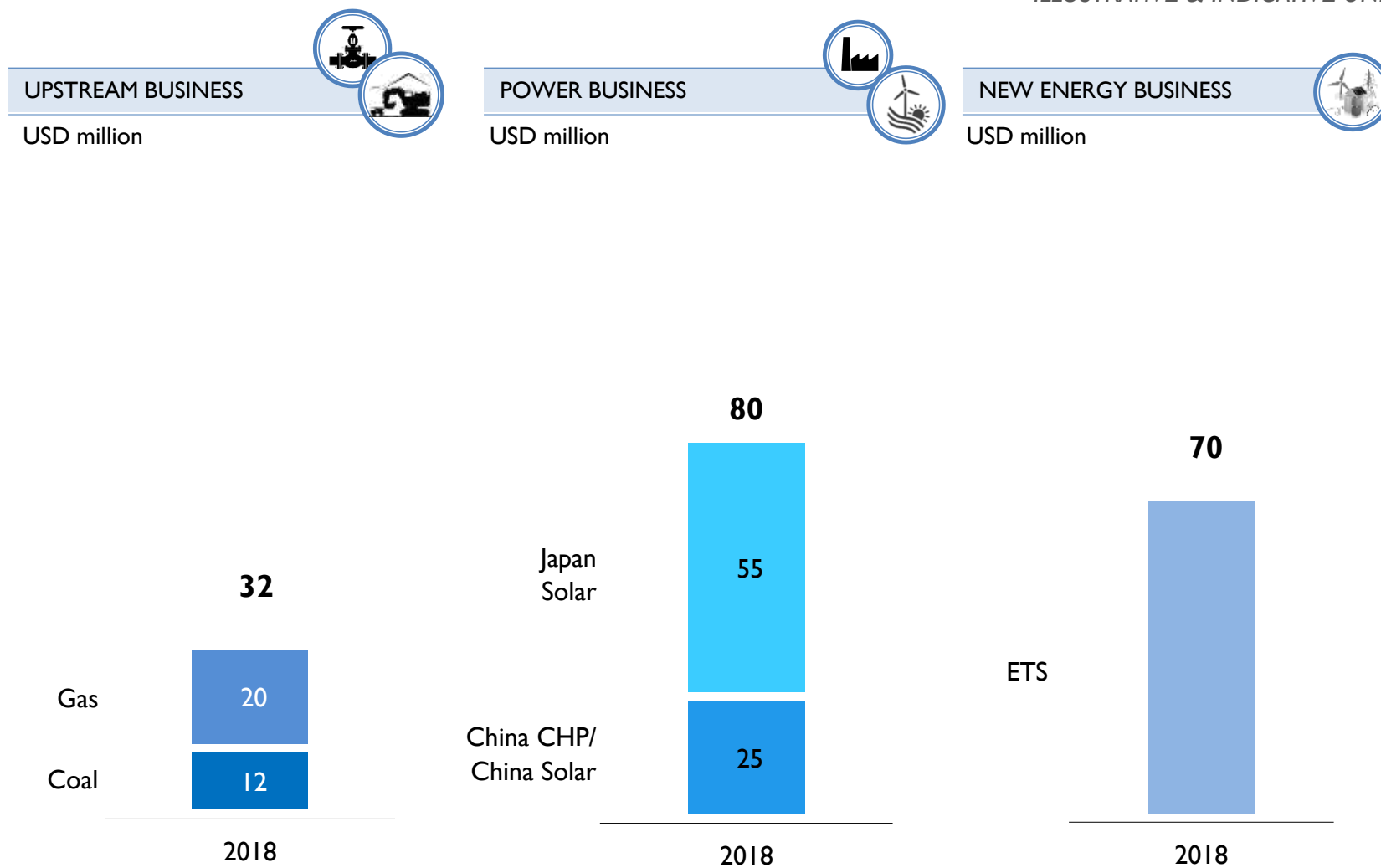


NEW ENERGY TECHNOLOGY OPPORTUNITIES

Expand into both stationary and mobile sectors including energy management systems and electric vehicle related business

Capital expenditure 2018

ILLUSTRATIVE & INDICATIVE ONLY



Note: capex figures exclude maintenance capex

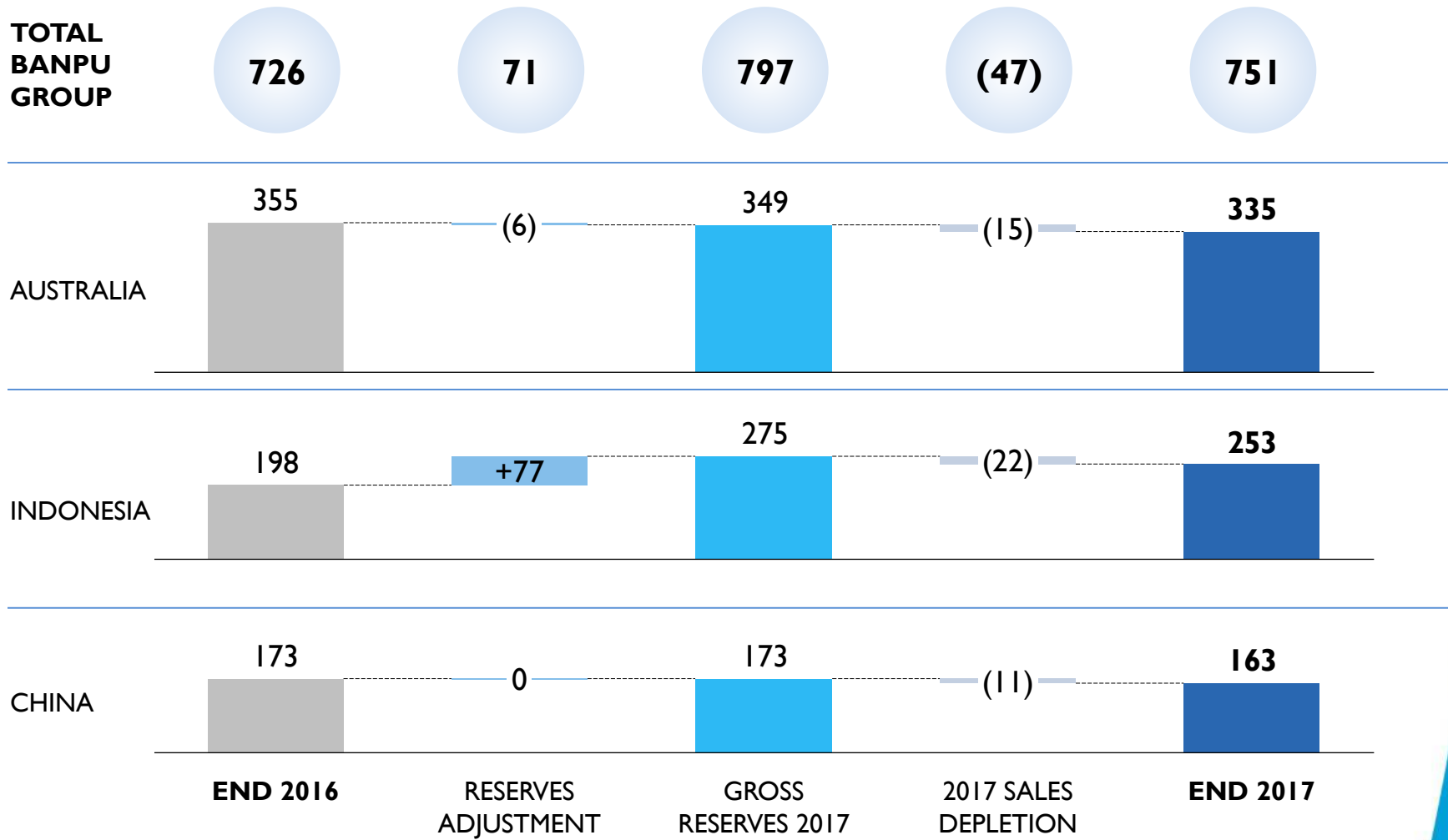
DISCLAIMER The views, information and indications expressed here including forward looking targets and indications are illustrative only, are subject to change, may be based on incorrect assumptions, and have not been independently verified. No representation or warranty is made as to the accuracy, completeness or reliability of the views, information as indications expressed here. This slide should not be relied upon as a recommendation or forecast by Banpu Public Company Limited. Nothing in this slide should be construed as either an offer to sell or a solicitation of an offer to buy or sell shares in any jurisdiction.

Appendix

Change in Banpu coal reserves 2017 (100% basis)

Unit: Mt

**TOTAL
BANPU
GROUP**



Gas business: 2018 indicative guidance

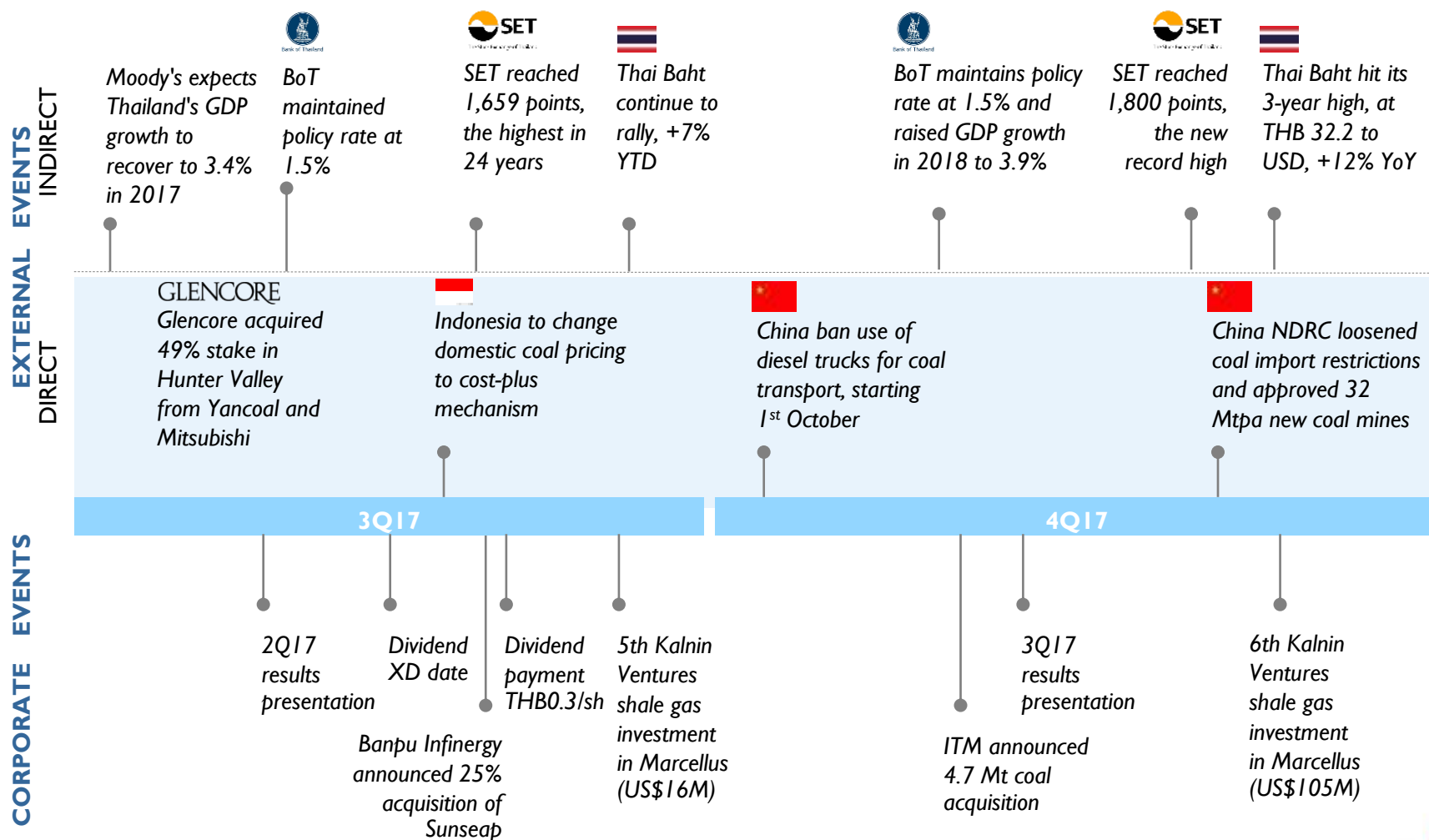
ILLUSTRATIVE AND INDICATIVE ONLY

UNIT GUIDANCE (US\$/ MCF)		COMMENTS
REVENUE		
Average differential to Henry Hub	\$0.7-\$0.9	Difference selling points and (NYMEX basis) and Henry Hub
Pipeline revenue	\$0.05-\$0.15	Applicable to Chaffee Corners volume only
COSTS		
G&C costs	\$0.3-0.4	Gathering and compression costs (to intrastate pipelines)
Lease operating costs	\$0.2-\$0.3	Main component of operating costs
G&A	\$0.25-\$0.35	General and administrative costs
DD&A	\$0.75-0.85	Depreciation, depletion and amortization
Taxes	21%	Currently benefit from tax shield due to accelerated DD&A

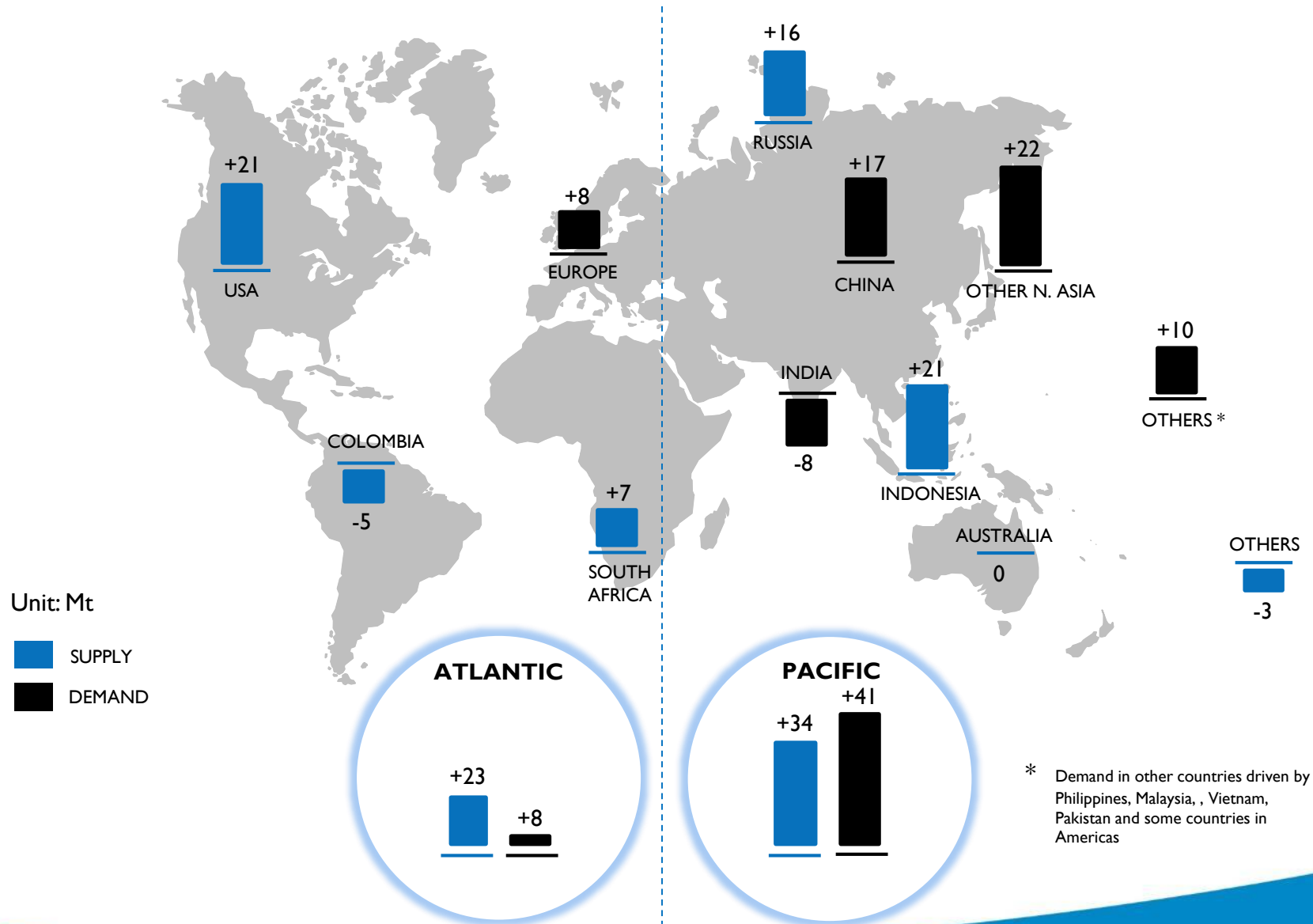
CURRENT PORTFOLIO (2018)

Reserves (Bcf)	1,074
Production (mmcf/d)	200 - 230

Key external and corporate events

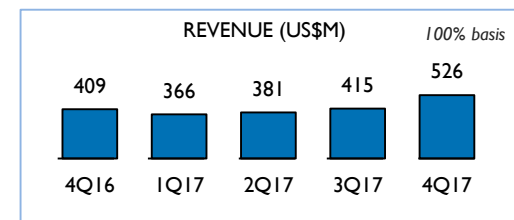
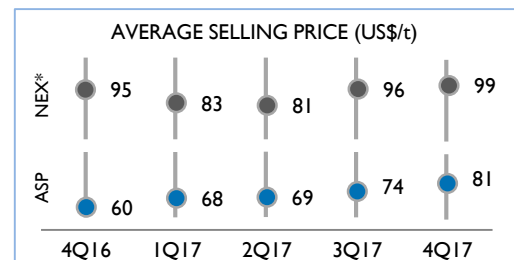
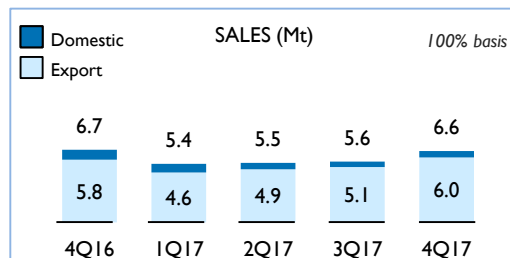


Regional thermal coal market: 2017 vs 2016

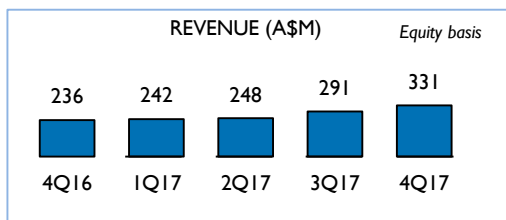
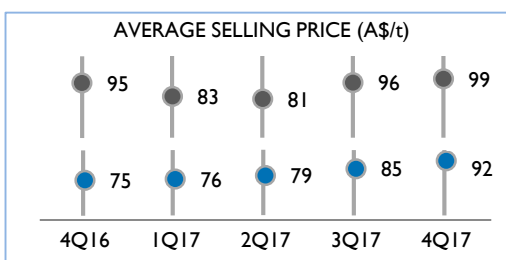
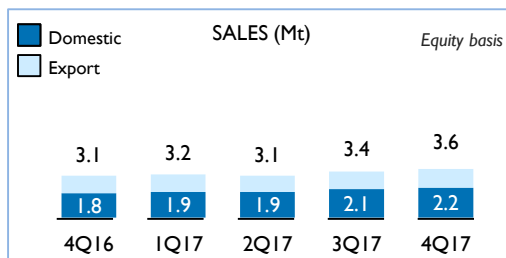


Banpu group Q-Q revenue analysis: coal

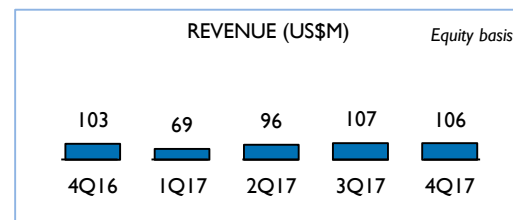
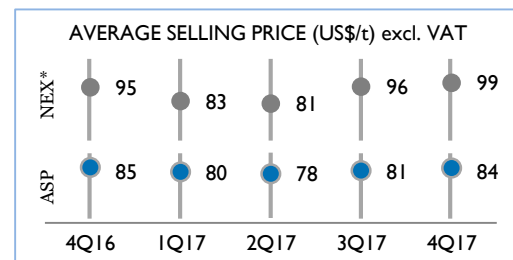
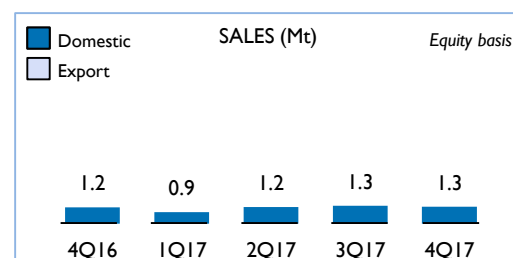
INDONESIA COAL (ITM)



AUSTRALIA COAL (CENTENNIAL)



CHINA COAL



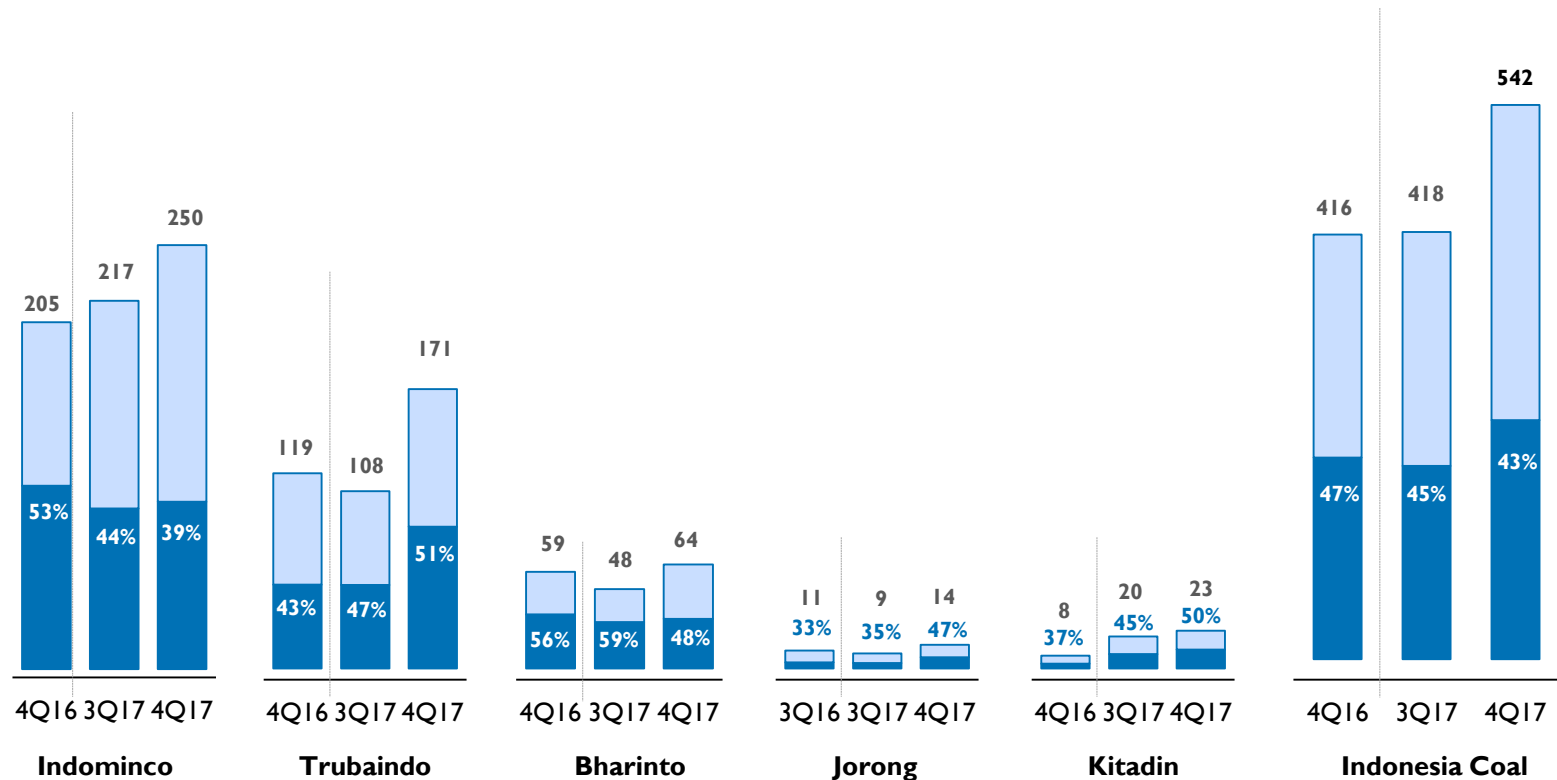
Note: ITM and Centennial revenues are consolidated in Banpu income statement.
Australia Coal – Third party coal sales included.

*NEX = Newcastle Export Index (formerly Barlow Jonker Index or BJI)
It is relevant but not linked to China Coal's ASP

Note: Hebi and Gaohe revenues are not consolidated in Banpu income statement.

Indonesia coal gross margin 4Q17 : 43%

USD million

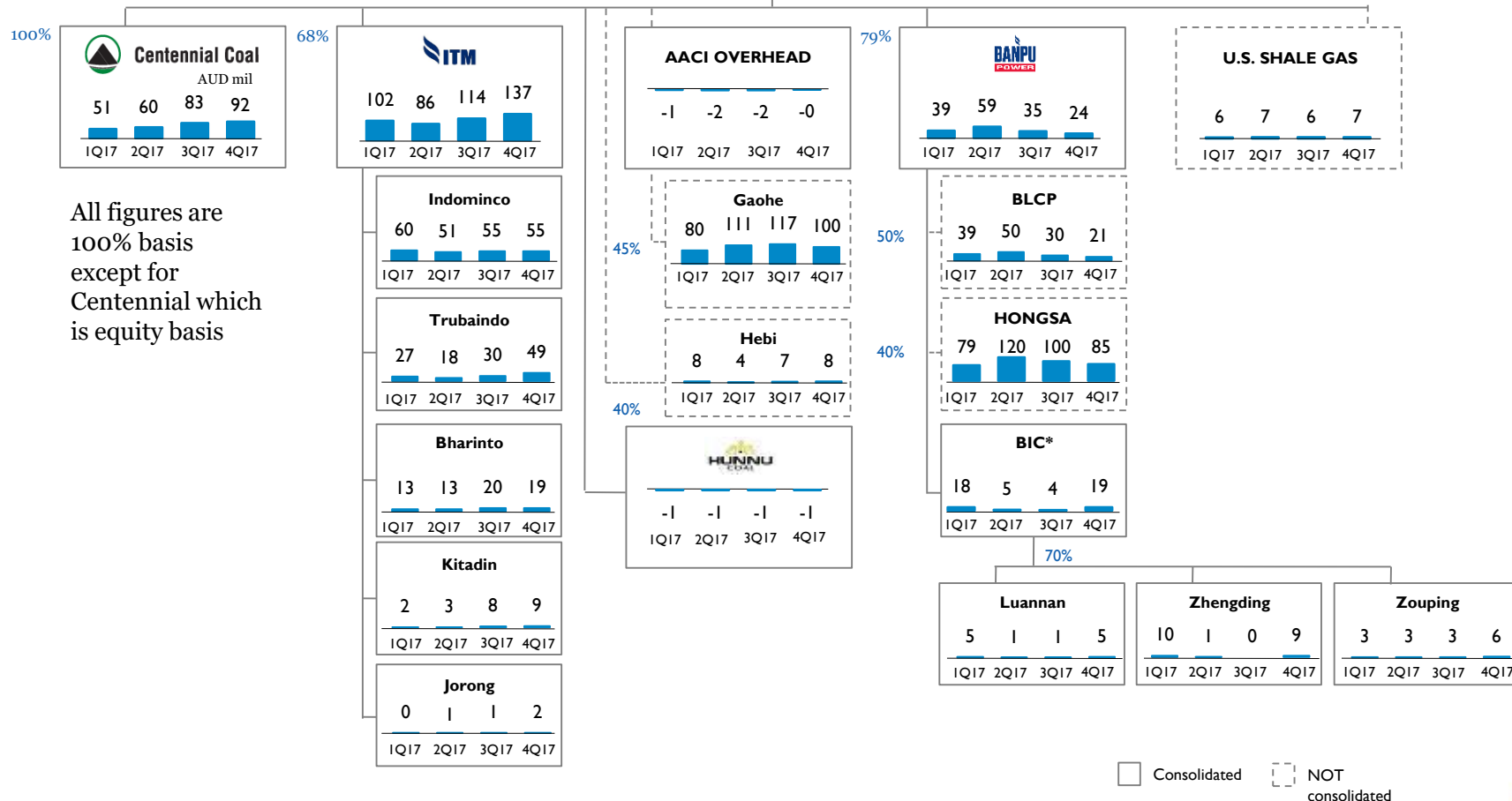
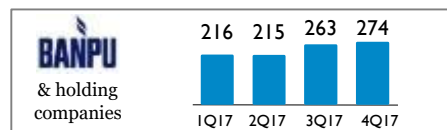


FX impact analysis guidance on P&L

CURRENCY EXPOSURE	NPAT IMPACT /4Q17 (US\$M)	APPROXIMATE FX EXPOSURE (US\$M)		NPAT 5% SENSITIVITY 1Q18 (US\$M)
		NET LIABILITY	NET ASSET	Assuming 5% depreciation of local currencies against USD
Banpu: THB bond and others	-20.9	-720		35 • 2017 growth 3.9% YoY • BOT forecast 2018 growth to 3.9% YoY
ITMG: IDR asset and liabilities	-0.6		40	-1.9 • 2017 growth 5.07% YoY • BI forecast 2018 growth 5.1-5.5% YoY
CEY: USD asset	0.1		8	0.4 • Moderate growth
Net	-21.4			34

Banpu group EBITDA breakdown

USD million



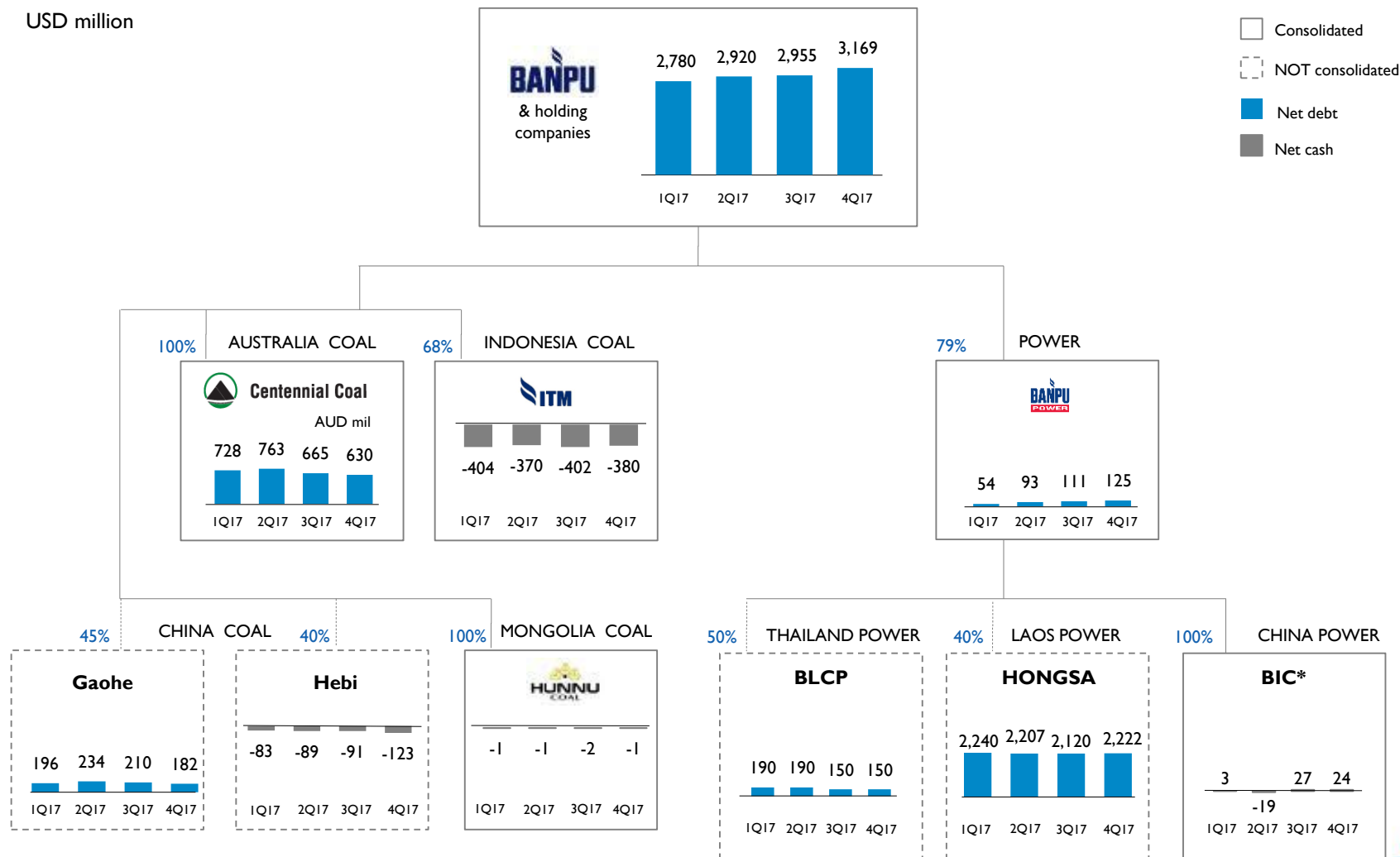
All figures are 100% basis except for Centennial which is equity basis

Note: all ownership 100% unless otherwise shown

*BIC = Banpu Investment China

Banpu group net debt breakdown

USD million



Note: all ownership 100% unless otherwise shown.

Banpu consolidated : operating profit

USD million

	2017	2016	YoY%
Total sales revenues*	2,877	2,259	27%
Sales revenues – Coal	2,629	2,063	27%
Sales revenues – Power	189	155	22%
Sales revenues – Gas	37	15	153%
Cost of sales	(1,767)	(1,511)	
Gross profit*	1,110	748	48%
Gross profit – Coal	1,047	674	55%
Gross profit – Power	45	54	-16%
Gross profit – Gas	13	6	106%
GPM	39%	33%	
<i>GPM – Coal</i>	<i>40%</i>	<i>33%</i>	
<i>GPM – Power</i>	<i>24%</i>	<i>35%</i>	
<i>GPM – Gas</i>	<i>36%</i>	<i>44%</i>	

Note: * including other businesses

Banpu consolidated : operating profit

USD million

	2017	2016	YoY%
Gross profit	1,110	748	48%
GPM	39%	33%	
SG&A	(292)	(296)	
Royalty	(268)	(219)	
Income from associates	205	118	
Other income and Dividend	46	33	
Mining property	(39)	(26)	
EBIT	762	358	113%
EBIT - Coal	615	214	188%
EBIT - Power	140	143	-3%
EBIT - Gas	7	1	710%
EBITDA	968	540	79%
EBITDA - Coal	790	378	109%
EBITDA - Power	153	155	-1%
EBITDA - Gas	25	7	255%

Banpu consolidated : net profit

USD million

	2017	2016	YoY%
EBIT	762	358	113%
Interest expenses	(135)	(127)	
Financial expenses	(5)	(3)	
Income tax (core business)	(117)	(77)	
Minorities	(110)	(50)	
Net profit before extra items	396	101	291%
Non-recurring items*	(48)	(18)	
Gain (Loss) on Derivatives Transactions	(21)	(32)	
Income tax (non - core business)	(21)	(20)	
Deferred tax income (expenses)	4	28	
Net profit before FX	310	59	421%
FX translations	(76)	(12)	
Net Profit	234	47	392%
EPS (US\$/share)	0.046	0.013	

Note: * income from non-core assets and other non-operating expenses

Banpu consolidated : operating profit

USD million

	4Q17	3Q17	4Q16	QoQ%	YoY%
Total sales revenues*	892	720	652	24%	37%
Sales revenues – Coal	812	669	593	22%	37%
Sales revenues – Power	57	40	46	44%	25%
Sales revenues – Gas	14	8	6	69%	139%
Cost of sales	(541)	(422)	(403)		
Gross profit*	351	298	249	18%	41%
Gross profit – Coal	329	285	233	15%	41%
Gross profit – Power	16	7	11	121%	36%
Gross profit – Gas	4	3	3	31%	52%
GPM	39%	41%	38%		
GPM – Coal	41%	43%	39%		
GPM – Power	27%	18%	25%		
GPM – Gas	31%	39%	48%		

Note: * including other businesses

Banpu consolidated : operating profit

USD million

	4Q17	3Q17	4Q16	QoQ%	YoY%
Gross profit	351	298	249	18%	41%
GPM	39%	41%	38%		
SG&A	(87)	(75)	(84)		
Royalty	(82)	(68)	(67)		
Income from associates	25	60	64		
Other income and Dividend	23	5	10		
Mining property	(7)	(15)	(10)		
EBIT	222	205	161	8%	38%
EBIT - Coal	202	172	120	18%	70%
EBIT - Power	20	31	41	-36%	-52%
EBIT - Gas	(0)	2	0	nm.	nm.
EBITDA	274	263	216	4%	27%
EBITDA - Coal	243	222	169	10%	45%
EBITDA - Power	24	35	45	-33%	-48%
EBITDA - Gas	7	6	2	20%	184%

Banpu consolidated : net profit

USD million

	4Q17	3Q17	4Q16	QoQ%	YoY%
EBIT	222	205	161	8%	38%
Interest expenses	(36)	(35)	(31)		
Financial expenses	(2)	(1)	(1)		
Income tax (core business)	(34)	(28)	(34)		
Minorities	(30)	(27)	(25)		
Net profit before extra items	121	115	70	5%	71%
Non-recurring items*	(20)	(18)	(11)		
Gain (Loss) on Derivatives Transactions	(2)	(15)	(7)		
Income tax (non - core business)	(7)	(4)	(13)		
Deferred tax income (expenses)	(4)	0	(5)		
Net profit before FX	88	78	35	12%	152%
FX translations	(21)	(17)	8		
Net Profit	66	61	43	9%	55%
EPS (US\$/share)	0.013	0.012	0.009		

Note: * income from non-core assets and other non-operating expenses

Centennial : income statement

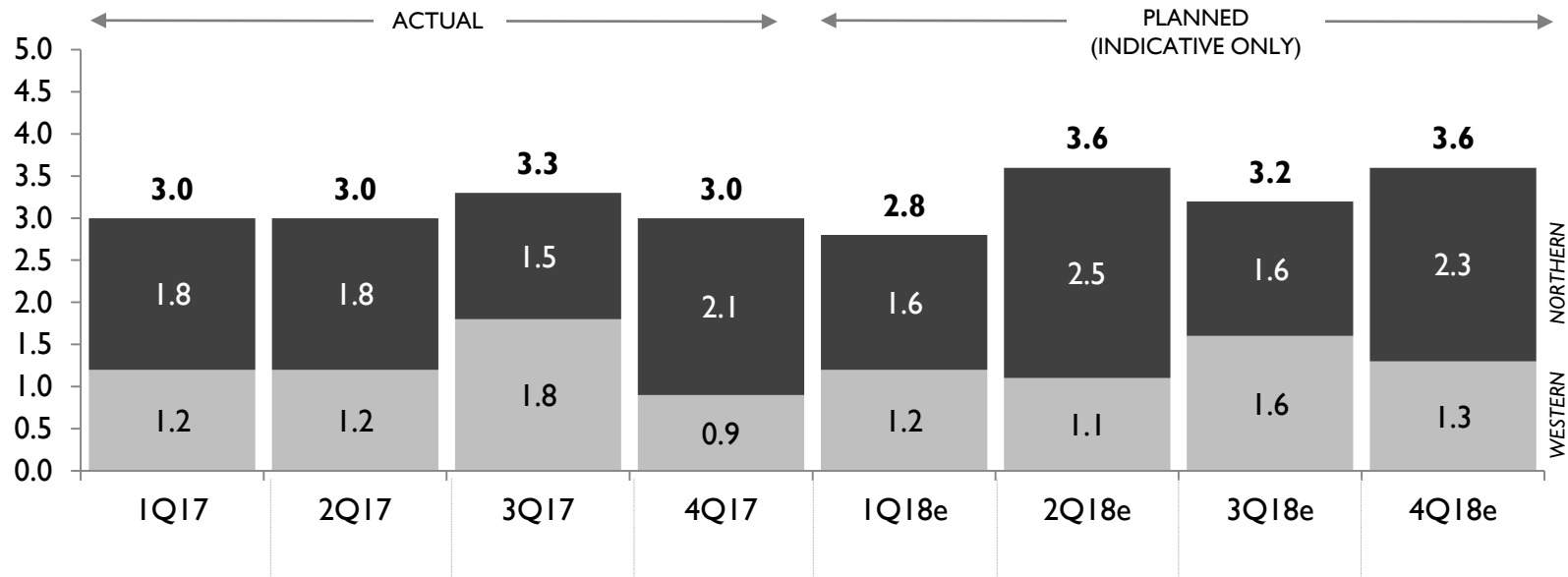
USD million	2017	2016	YoY%
Sales volume (Mt)	13.4	13.2	1%
Sales revenue	882.5	660.4	34%
Cost of sales	(581.9)	(507.6)	
Gross profit	300.6	152.8	97%
<i>GPM</i>	34%	23%	
SG&A	(105.8)	(92.8)	
Royalty	(55.6)	(41.6)	
Other income	9.4	8.7	
Other expenses	-	-	
EBIT	148.6	27.1	449%
Interest expenses	(24.5)	(25.6)	
Financial expenses	(2.0)	(3.4)	
Gain (loss) on exchange rate	(3.4)	(0.1)	
Gain (loss) on derivative	(29.0)	(16.9)	
Corporate income tax	-	(9.0)	
Deferred tax income	(24.8)	6.1	
Net profit	65.1	(21.8)	n.m.

Centennial : income statement

USD million	4Q17	3Q17	4Q16	QoQ%	YoY%
Sales volume (Mt)	3.6	3.4	3.1	6%	15%
Sales revenue	259.2	241.4	177.2	7%	46%
Cost of sales	(166.7)	(145.6)	(141.3)		
Gross profit	92.4	95.7	35.9	-3%	158%
<i>GPM</i>	36%	40%	20%		
SG&A	(28.3)	(30.4)	(23.4)		
Royalty	(15.9)	(16.3)	(10.9)		
Other income	2.9	1.3	2.0		
Other expenses	-	-	-		
EBIT	51.1	50.4	3.6	2%	1,325%
Interest expenses	(5.9)	(6.3)	(6.2)		
Financial expenses	(0.8)	(0.2)	(1.0)		
Gain (loss) on exchange rate	0.2	(1.5)	1.6		
Gain (loss) on derivative	(6.1)	(11.1)	(1.8)		
Corporate income tax	-	-	(9.0)		
Deferred tax income	(11.1)	(9.2)	1.6		
Net profit	27.4	22.1	(11.2)	24%	n.m.

Australia coal: quarterly equity ROM output

Total equity ROM (Mt)



	2017												2018e											
LW move	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Mandalong (100%)																								
Springvale (50%)																								

Normal production
 Bolt-up/commissioning
 LW relocation

Note: 1 Bar width is indicative of the equity production contributions to Centennial

2 Production generally responds to the timing of longwall changeovers (i.e. lower production results during a longwall changeover period)

3 Angus Place was put on care and maintenance from February 2015.

