







ENERGY FOR CHANGE

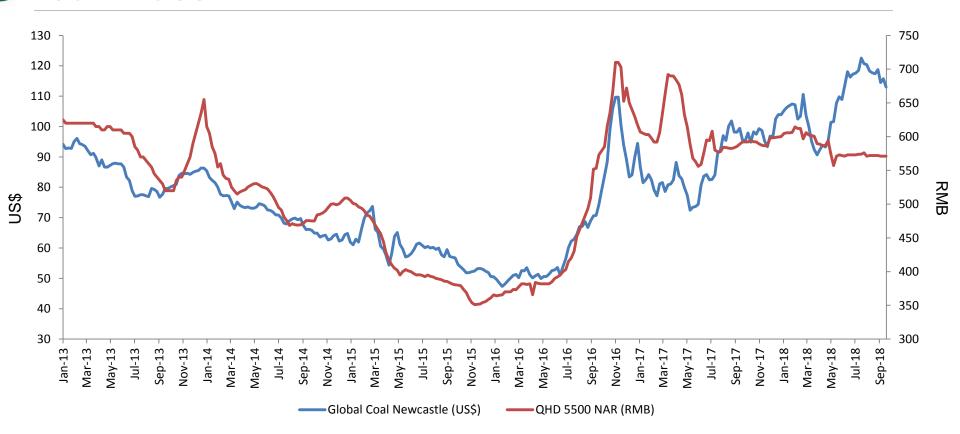




Key questions:

- Why has coal price remain high and will it stay high for longer?
- What is Adaro's rationale for venturing overseas?
- Should investors expect more M&A activities?
- What is Adaro strategy to ensure a sustainable business?

Thermal coal: robust price momentum adaro continues



- Coal price remains resilient supported by supply tightness and firm coal demand.
- Seaborne thermal coal demand increased by 3% y-o-y in 2017 to ~919 Mt (Wood Mackenzie).
- Supply is expected to remain tight due to continued supply reform in China as well as funding and operational constraints.



Market is relatively balanced



Supply – lagged and structurally changing

- Under-investment: expansionary capex has been minimal despite higher prices.
- Increasing production cost.
- Shortage of domestic coal in China and India.
- Weather related issues.
- Limited access to financing.
- Availability of heavy equipment.

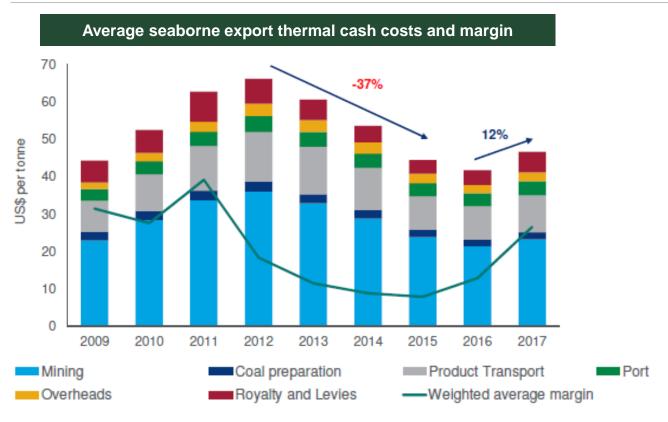
Demand – resilient and positive outlook supported by emerging Asia

- Improved economic activities China and India.
- Weather related issues.
- Going forward, the growth demand for coal will be dominated by Southeast Asia and India.
- Approximately 300 GW of new coal plants are under construction in Asia today.



Production cost has increased

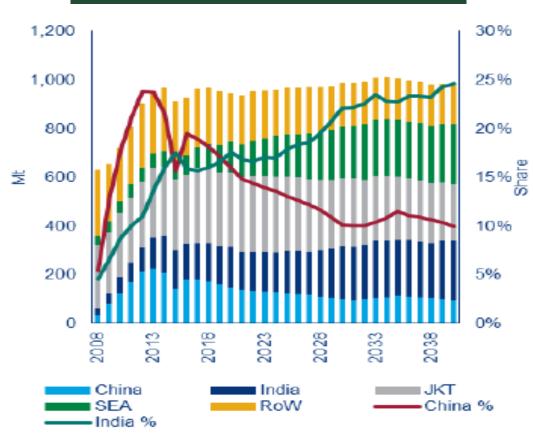




- The higher coal price has created greater headroom for cost.
- Increase in cost is inevitable as coal miners are trying to reverse the consequences of the prolonged industry downturn.

Positive demand outlook for thermal coal adaro

Seaborne thermal coal demand by region (Mt)



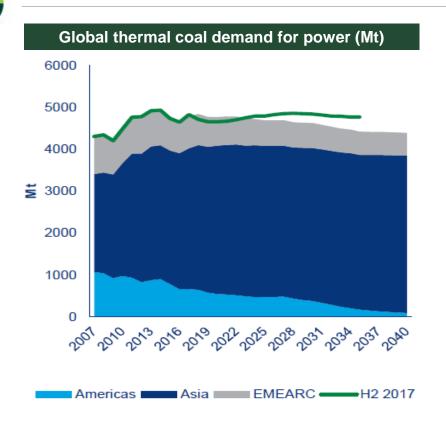
- As China's dominant role in the seaborne gradually market cedes. Southeast Asia and India will the become kev drivers.
- estimated that global seaborne thermal coal demand will grow modestly to reach 1.1 Bt by 2035.

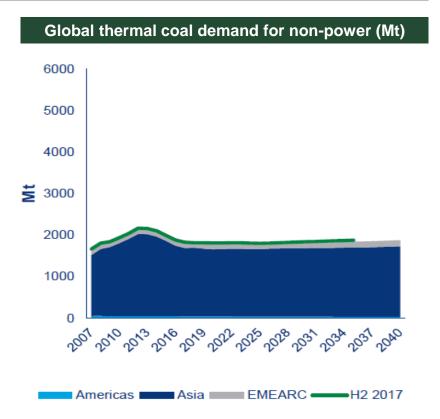
Note: JKT (Japan, Korea, Taiwan); SEA (Southeast Asia); RoW (rest of the world)





from both power and non-power





- Electrification in the developing world continues to drive coal demand.
- Approximately 300 GW of new coal plants are under construction in Asia today, and between 2018-2020 there will be ~13GW of coal fired capacity commissioning in SEA.
- Non-power demand is dominated by the demand for cement manufacturing and liquid fuel production.

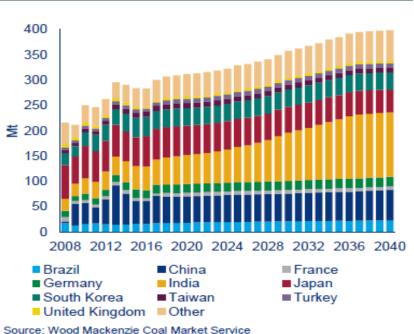
Resilient outlook for metallurgical coal







Demand: Global metallurgical coal imports (Mt)

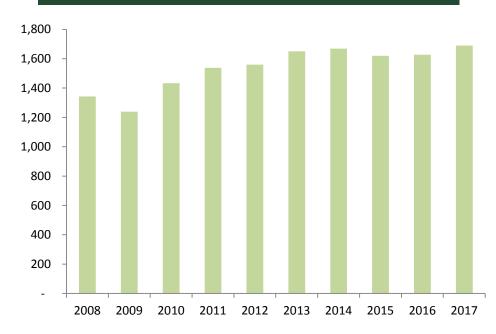


- As steel production and consumption continue to grow, so does the demand for metallurgical coal.
- It is expected that global seaborne demand for metallurgical coal will rise from 307 Mt in 2018 to 398 Mt in 2040.
- Australia dominates the supply of metallurgical coal, supplying more than 60% of seaborne requirement, while demand is dominated by China, India, Japan and South Korea.



...driven by firm steel demand

World crude steel production 2008-2017 (Mt)



Source: World Steel in Figures 2018, World Steel Association

- Steel production is expected to continue its modest growth due to improvement in global economic growth, developing economies' unceasing focus on building infrastructure and increasing urbanization.
- Metallurgical coal is a major non-substitutable component in steel-making, and it is expected that the demand for met coal will follow the modest growth in steel demand.





Performance of Adaro Energy

adaro

Solid operational and financial results

| OPERATIONAL | 1H18 | 1H17 | % Change |
|---------------------------------------------------|--------|--------|----------|
| Production (Mt) | 24.06 | 25.13 | -4% |
| Sales (Mt) | 23.81 | 25.27 | -6% |
| OB removal (Mbcm) | 123.01 | 111.78 | 10% |
| FINANCIAL (US\$ millions, unless indicated) | 1H18 | 1H17 | % Change |
| Net Revenue | 1,610 | 1,549 | 4% |
| Core Earnings | 269 | 299 | -10% |
| Operational EBITDA | 593 | 626 | -5% |
| Cash | 1,058 | 1,236 | -14% |
| Net Debt | 117 | 157 | -25% |
| Net Debt to Equity (x) | 0.03 | 0.04 | - |
| Net Debt to Last 12 months Operational EBITDA (x) | 0.09 | 0.14 | - |
| Free Cash Flow | 284 | 405 | -30% |
| Cash from Operations to Capex (x) | 3.57 | 15.78 | - |





Solid balance sheet and strong cash generation

→ Net debt to EBITDA (x)

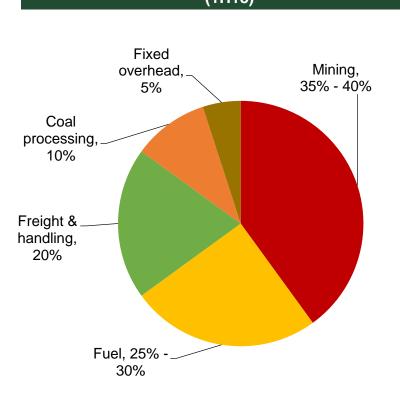
Strong cash balance and free cash flow Reduced debt and improved financial position generation 1,400 1.6 1400 1,200 1200 1.2 1,000 1000 800 0.8 800 600 600 0.4 400 400 200 0.0 200 0 2014 2015 2016 2017 1H18 0 -200 -0.42014 2015 2016 2017 1H18 ■ Net debt (cash) (million US\$) — Net debt to equity (x) ■ Cash (million US\$) ■ Free cash flow (million US\$)

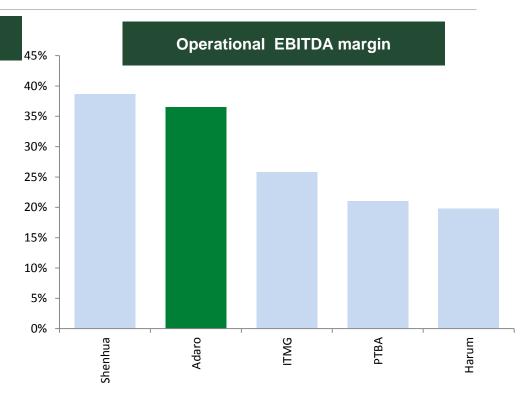




Cost control – key in delivering strong performance

Adaro's estimated coal cash cost breakdown (1H18)





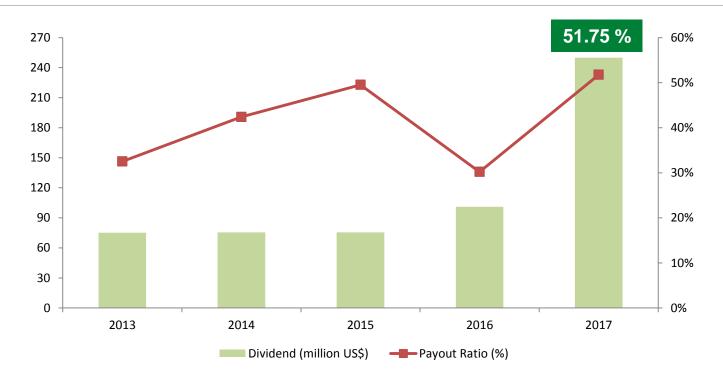
Source: Bloomberg, based on trailing 12M EBITDA

 Adaro has one of the highest operational EBITDA margin among thermal coal peers





Delivering return to shareholder



- We are committed deliver return to our shareholder through consistent dividend payment.
- Dividend payout ratio since IPO in 2008 averages ~39% and in total we have paid US\$1.2 billion in dividend.
- Total dividend for fiscal year 2017 is US\$250 million, or 51.75% of profit.







Business model that creates sustainable value



PT Adaro Energy Tbk (AE)

*Simplified Corporate Structure

Power

100%

34%

65%

Adaro Mining

| Adaro Indonesia (AI) 88.5% South Kalimantan |
|--------------------------------------------------------|
| Balangan Coal 75% South Kalimantan |
| Mustika Indah Permai (MIP) South Sumatra |
| Bukit Enim Energi (BEE) 61% South Sumatra |
| Adaro MetCoal (AMC), Central & East Kalimantan 100% |
| Bhakti Energi 10.2% Persada (BEP) East Kalimantan |
| Kestrel Coal Mine 38.4% |



Adaro Mining Services

| Saptaindra Sejati (SIS) | 100% |
|---------------------------------------------|--------|
| Coal mining and haulir contractor | |
| Jasapower Indonesia (JPI) | 100% |
| Operator of overburder crusher and conveyor | |
| Adaro Eksplorasi | 100% |
| Indonesia (AEI) Mining exploration | 100 /6 |
| Adaro Mining | |
| Technologies (AMT) | 100% |
| Coal research & | |
| development | |

Adaro Logistics

| Maritim Barito 100 | Makina ocjanicia |
|------------------------|---------------------------|
| Perkasa (MBP) | Wisesa (MSW) |
| Barging & shiploading | Operator of 2x30MW |
| Sarana Daya 51.2 | mine-mouth power |
| Mandiri (SDM) | % plant in S. Kalimantan |
| Dredging & maintenance | Bhimasena Power |
| in Barito River mouth | |
| | (BPI) Partner in 2x1000MW |
| Indonesia Multi 100 | |
| Purpose Terminal | project in Central |
| (IMPT) | Java |
| Port management & | Java |
| terminal operator | Tanjung Power |
| | |
| Indonesia Bulk | Partner in 2x100MW |
| Terminal (IBT) | power plant project in |
| Coal terminal & fuel | S. Kalimantan |
| storage | |
| | |







Eight business pillars – diversifying beyond coal















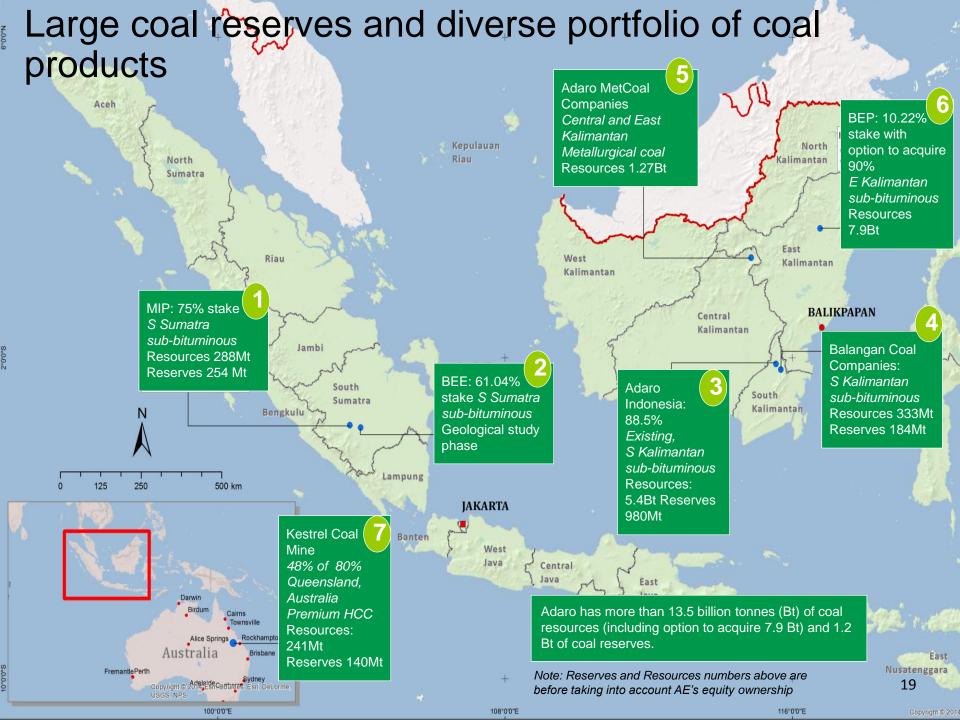




- Adaro Energy is well aware of the cyclical nature of the coal industry and its impact to our business. Therefore we are diversifying our business model beyond coal mining and currently operates under eight business pillars.
- AE has subsidiaries within each pillar that performs as independent profit centers and strive to keep expanding third-party business besides serving the Adaro Group.



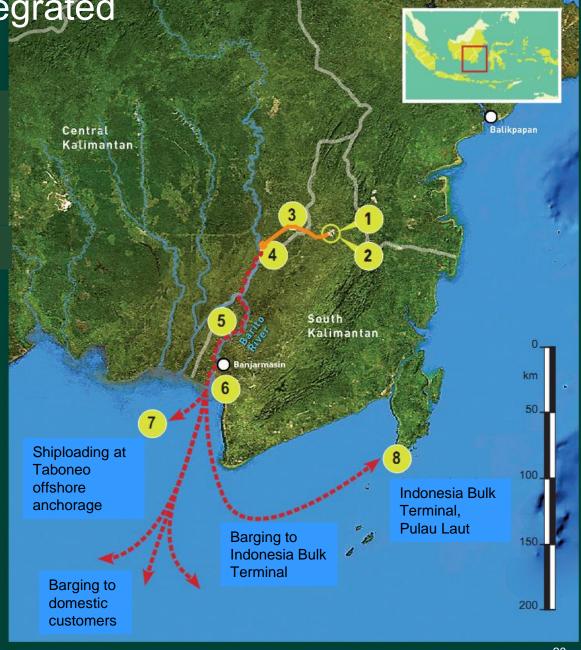
Adaro Mining



Adaro Energy's integrated coal supply chain

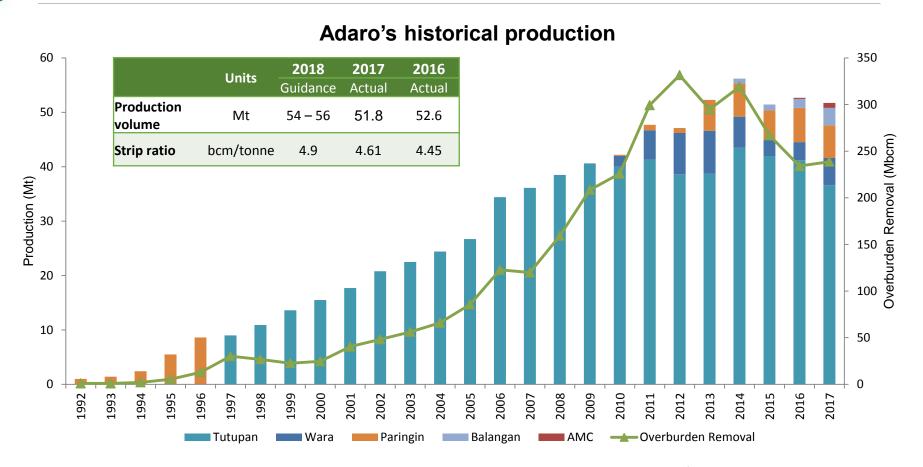
Adaro Energy's main thermal coal mines are located in South Kalimantan, and account for the majority of Adaro Group's coal production. Adaro Indonesia and other key subsidiaries form the main part of the coal supply chain with help from third-party contractors.

- Coal Concessions of Al and Balangan Coal Companies
- 2 Contract mine operations by PT Saptaindra Sejati (SIS)
- Coal hauling road owned and operated by Adaro Indonesia
- Coal crushing and barge loading at Kelanis river bulk terminal by Adaro Indonesia.
- 5 Coal barging to the sea along Barito River by PT Maritim Barito Perkasa (MBP)
- River channel operation and maintenance by PT Sarana Daya Mandiri (SDM)
- Shiploading and sea barging by PT Maritim Barito Perkasa (MBP)
- 8 Coal terminal and fuel supply services by PT Indonesia Bulk Terminal (IBT)



Over two decades of solid production performance





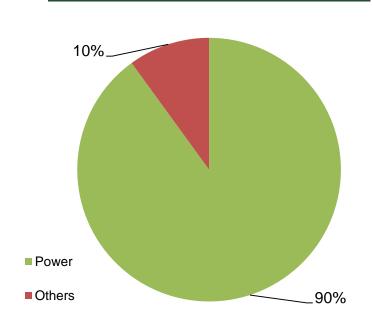
- Produce low to medium heat value coal with low pollutant content, ideal for power generation.
- Control over supply chain ensures timely delivery to customers.
- Continued focus on productivity, safety and sustainability will support value creation for shareholder.



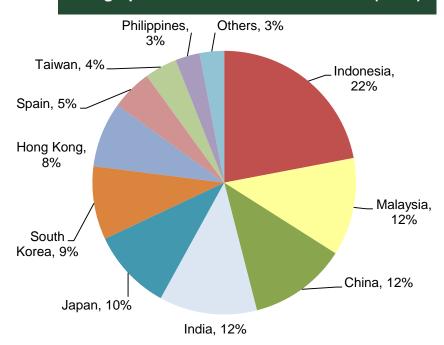
Strong customer base with focus on Indonesia



Customer type by volume (1H18)



Geographical breakdown of customers (1H18)



- Most customers are sovereign backed power companies, with over 50% have had a relationship for more than a decade
- Average length of coal supply agreement is 3 to 5 year.
- Many of our contracts are reset annually, with a combination of negotiated, fixed and index-linked pricing.
- Strong relationship with many blue-chip investment-grade clients mitigates risk

^{*} Others include cement, pulp & paper, and industrial

^{*} Others include Thailand, USA, Vietnam, Singapore and The Netherlands

1H18 performance of Adaro Mining

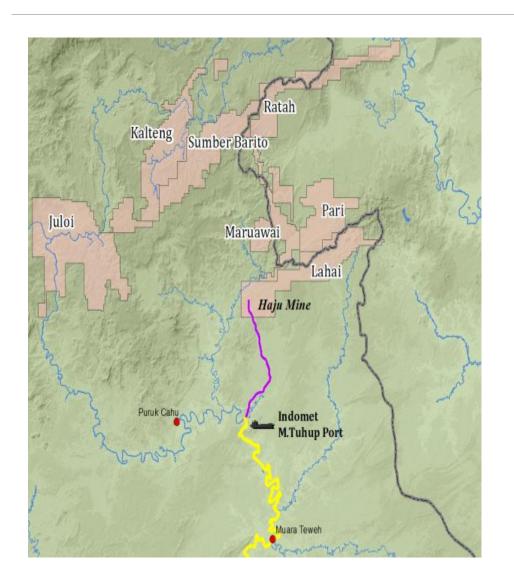


| | Units | 1H18 | 1H17 | 1H18 vs. 1H17 |
|--------------------|-------|--------|--------|---------------|
| Coal Production | Mt | 24.06 | 25.13 | -4% |
| Sales Volume | Mt | 23.80 | 25.27 | -6% |
| Overburden Removal | Mbcm | 123.01 | 111.78 | 10% |
| Strip Ratio | х | 5.11 | 4.45 | 15% |

- As weather condition improved in the second quarter, our coal mining subsidiaries were able to deliver higher overburden removal and production volume.
- We have secured a large portion of coal sales volume for the rest of the year and we continue to actively build market understanding and acceptance for our E4700 and E4200 product.
- We are on the right track to achieve our 2018 coal production guidance of 54-56 Mt.

Snapshot of Adaro MetCoal Companies adaro (AMC)

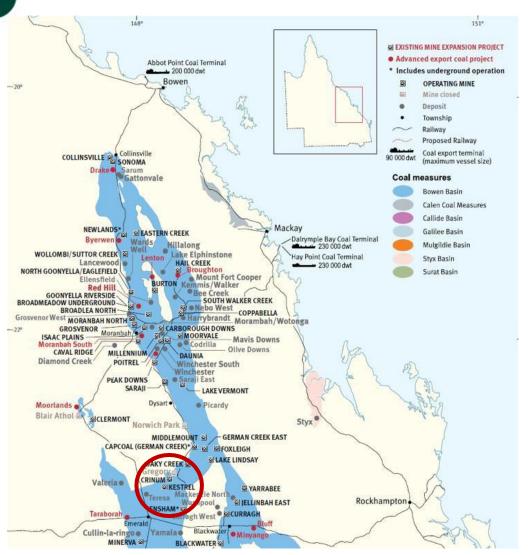




- Adaro Energy completed the acquisition of AMC from BHP Billiton for 7 CCOWs in Central and East Kalimantan.
- The transaction value was \$120 million for 75% of the properties. Adaro now owns 100% of the asset.
- First coal production has started at Haju mine which has a production capacity of 1 million tonnes a year. Coal is mined and hauled to a barge loading site at Muara Tuhup on the Barito river.
- In 1H18, AMC produced 0.62 Mt of coal, 37% higher y-o-y.

Snapshot of Kestrel Coal Mine





- EMR Capital and Adaro Energy completed the acquisition of Rio Tinto's 80% interest in the Kestrel Coal Mine (Kestrel) on August 1st, 2018.
- Adaro Energy's first coal mining operations overseas.
- Kestrel is located 40 km north of Emerald in the Bowen Basin coal fields in Central Queensland.
- In the year to December 2017, Kestrel produced 4.25 Mt of high-quality metallurgical coal and 0.84 Mt of high CV thermal coal.
- Kestrel has marketable reserves of 146
 Mt and resources of 241 Mt.
- Kestrel produces high volatile, high fluidity coking coal sought after by customers in the seaborne market.





Adaro Services and Adaro Logistics



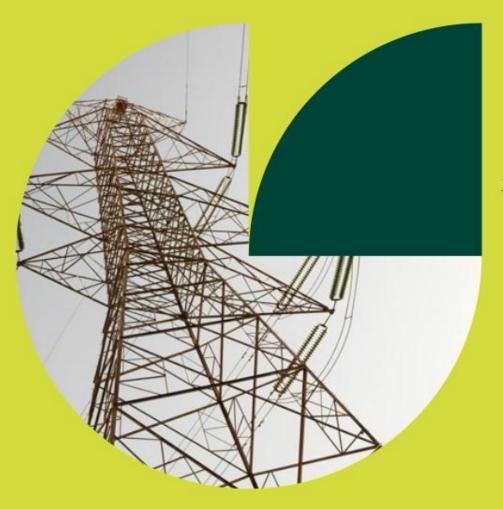
Ensuring operational excellence

Strengthens Adaro's Earnings Profile as Contribution to Parent Co Increases

- Key part of our vertical integration.
- Ensures operational excellence, productivity improvement and timely reliable delivery to customers.
- Non coal mining business accounted for 20% of Adaro Energy EBITDA in 1H18. This contribution is expected to grow going forward.
- Actively pursue third-party revenue growth from these businesses.



| | | Units | 1H18 | 1H17 | 1H18 vs. 1H17 |
|-----|--------------------|-------|-------|-------|---------------|
| 010 | Overburden Removal | Mbcm | 93.73 | 84.53 | 11% |
| SIS | Coal Production | Mt | 20.07 | 16.15 | 24% |
| MBP | Coal barging | Mt | 21.37 | 19.91 | 7% |
| | • | | | | years |



Adaro Power

Building the foundation of Adaro's future



| | Bhimasena Power Indonesia | Tanjung Power Indonesia |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Capacity | 2x1000 MW | 2x100 MW |
| Stake Acquired | 34% | 65% |
| Partner(s) | J-Power (34%), Itochu (32%) | Korea EWP (35%) |
| Location | Central Java | South Kalimantan |
| Development Progress | Signed 25 years PPA with PLN Total Capex: US\$4.2 billion Concluded financing close on June 6th, 2016. Expected COD: 2020 Expected coal requirement: 7 Mtpa | Signed PPA with PLN Total Capex: \$545 million Concluded financing close in Jan 2017 Expected COD: 2019 Expected coal requirement: 1 Mtpa |
| Financing | Non-recourse project debt financing. Combination of ECA and commercial loan | Non-recourse project debt financing. Combination of ECA and commercial loan |
| Debt vs. Equity | 80:20 | 75:25 |
| Construction Progress (1H18) | 47% | 94% |

- Commercially and financially attractive with solid IRR and low-cost long-term project financing.
- Creates captive demand for Adaro's coal and helps meet our domestic market obligation.
- Provides a stable revenue stream and helps to lessen volatility in Adaro's business model.



Adaro Energy 2018 guidance

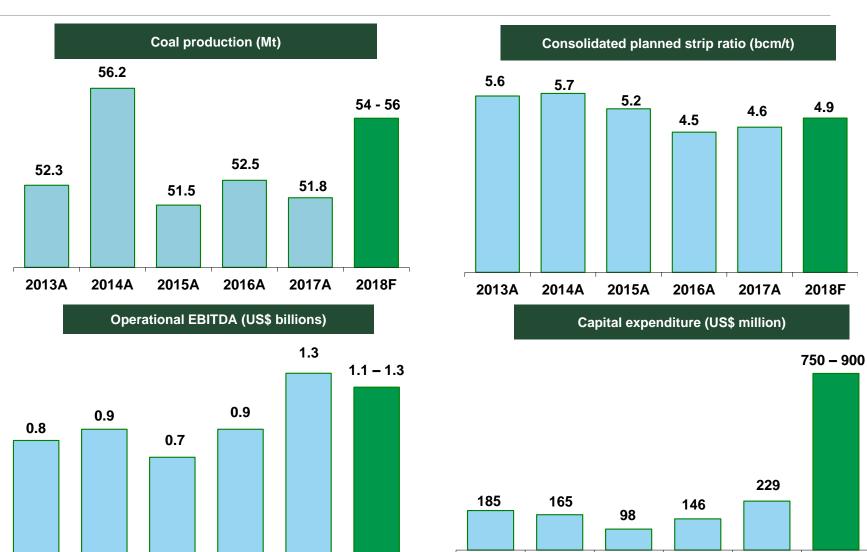
2016A

2013A

2014A

2015A





2013A

2018F

2017A

2014A

2015A

2016A

2017A

2018F

Conclusions and takeaways



- Coal market is relatively balanced.
 - Supply discipline continues while demand in most markets are unexpectedly high
- Long term fundamental for coal remains promising.
 - Indonesia, Southeast Asia and India will be the main drivers.
- Adaro offers a complete portfolio of coal from low CV thermal coal to premium hard coking coal, providing us with flexibility in the coal market.
- Our resilient business model with eight business pillars is geared up to take the opportunity.
 - Multiple opportunities across the value chain.
 - Each engine of growth is expected to grow along with the growth of coal fired power generations in Indonesia and Southeast Asia.





Visit our website at:

www.adaro.com

Our annual report is available for download here:









Thank you