NEWS RELEASE



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Capital allocation briefing

BHP will be holding an investor and analyst briefing today in Melbourne on BHP's Capital Allocation Framework.

The purpose of the briefing is to provide greater detail in relation to BHP's capital allocation processes, and greater transparency on BHP's approach to capital allocation and investment decisions.

The presentation is available on BHP's website at: <u>https://www.bhp.com/-/media/documents/media/reports-and-</u> presentations/2018/181121_CapitalAllocationBriefing.pdf

The webcast of the briefing will be available at: <u>https://edge.media-server.com/m6/p/nxkxg8iw</u>

Further information on BHP can be found at: **bhp.com**

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Capital allocation briefing Peter Beaven

21 November 2018



Port Hedland

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This presentation contains forward-looking statements, including statements regarding: trends in commodity prices and currency exchange rates; demand for commodities; plans, strategies and objectives of management; closure or divestment of certain operations or facilities (including associated costs); anticipated production or construction commencement dates; capital costs and shortages of materials and skilled employees; anticipated productive lives of projects, mines and facilities; provisions and contingent liabilities; tax and regulatory developments.

Forward-looking statements can be identified by the use of terminology including, but not limited to, 'intend', 'aim', 'project', 'anticipate', 'estimate', 'plan', 'believe', 'expect', 'may', 'should', 'will', 'continue', 'annualised' or similar words. These statements discuss future expectations concerning the results of operations or financial condition, or provide other forward-looking statements.

These forward-looking statements are not guarantees or predictions of future performance, and involve known and unknown risks, uncertainties and other factors, many of which are beyond our control, and which may cause actual results to differ materially from those expressed in the statements contained in this presentation. Readers are cautioned not to put undue reliance on forward-looking statements.

For example, future revenues from our operations, projects or mines described in this presentation will be based, in part, upon the market price of the minerals, metals or petroleum produced, which may vary significantly from current levels. These variations, if materially adverse, may affect the timing or the feasibility of the development of a particular project, the expansion of certain facilities or mines, or the continuation of existing operations.

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Presentation of data

Unless specified otherwise: operations includes operated assets and non-operated assets; total operations refers to the combination of continuing and discontinued operations; continuing operations refers to data presented excluding the impacts of South32 from the 2014 financial year onwards, and Onshore US from the 2017 financial year onwards; references to Underlying EBITDA margin exclude third party trading activities; data from subsidiaries are shown on a 100 per cent basis and data from equity accounted investments and other operations is presented, with the exception of net operating assets, reflecting BHP's share; medium term refers to our five year plan. Queensland Coal comprises the BHP Billiton Mitsubishi Alliance (BMA) asset, jointly operated with Mitsubishi, and the BHP Billiton Mitsui Coal (BMC) asset, operated by BHP. Numbers presented may not add up precisely to the totals provided due to rounding.

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In this presentation, the terms 'BHP', 'Group', 'BHP Group', 'we', 'us', 'our' and 'ourselves' are used to refer to BHP Group Limited, BHP Group Plc and, except where the context otherwise requires, their respective subsidiaries set out in note 13 'Related undertaking of the Group' in section 5.2 of BHP's 2018 Annual Report. Notwithstanding that this presentation may include production, financial and other information from non-operated assets, non-operated assets are not included in the BHP Group and, as a result, statements regarding our operations, assets and values apply only to our operated assets unless otherwise stated.

Key messages

Capital allocation is a key enabler of our purpose to grow long-term shareholder value and returns

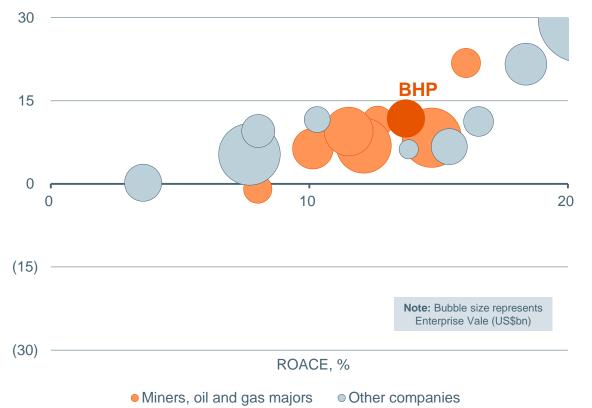
Lessons	The mining industry is capital intensive but investments have at times been poor
learned	We have improved our capital allocation approach to support better decisions
Capital allocation	Our Capital Allocation Framework provides a transparent hierarchy, accountability and discipline Centralised capital prioritisation drives purer competition for capital and reduces bias
Managing	Flexibility from a stronger balance sheet and payout ratio dividend policy
cyclicality	Use of price ranges and portfolio scenarios to ensure resilience
Balancing	Accepting and managing risk is inherent to value creation
risk / reward	Focus on a range of risk and return measures to evaluate opportunities
Value and returns	Improvements are significant, sustainable and are driving improved value and returns All investments tested against additional cash returns to shareholders



The importance of capital allocation

Over the long term, capital allocation is a key driver and differentiator of company performance

Value vs Returns – CY97-CY18^{1,2,3} (TSR CAGR, %)



Source: Bloomberg.

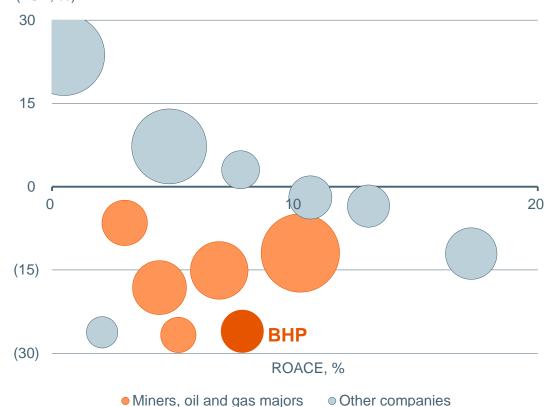
- 1. Miners, oil and gas majors include: Anglo American; BP; Chevron; ExxonMobil; Glencore; Rio Tinto; Shell; Vale.
- 2. Other companies include: Apple; AT&T; BASF; General Electric; HP; IBM; Samsung; Siemens; Volkswagen.

3. ROACE: Return on average capital employed; TSR: Total shareholder returns.

Capital allocation briefing

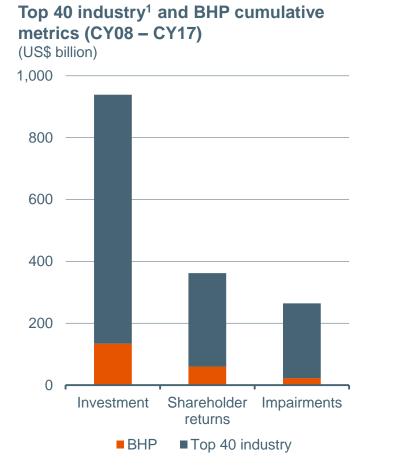
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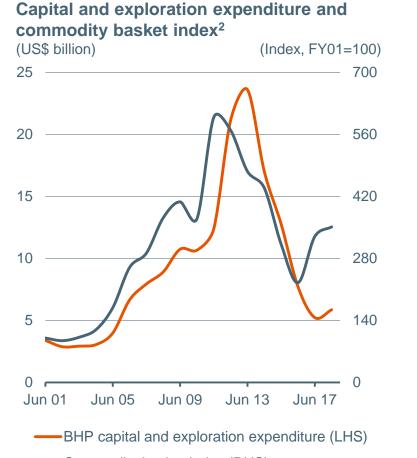
Value vs Returns – CY15^{1,2,3} (TSR, %)



Where did the industry go wrong?

Pro-cyclical investing has destroyed value and eroded returns





----Commodity basket index (RHS)

1. Source: PwC Mine 2018 report and BHP analysis. Top 40 analysis represents global mining industry as represented by the top 40 mining companies by market capitalisation.

2. Commodity basket index: comprises oil, copper, iron ore and metallurgical coal.

Capital allocation briefing

(US\$ billion)

150

100

50

0

FY18

■ Total assets (RHS)

BHP ROCE and total assets

(%)

30

20

10

0

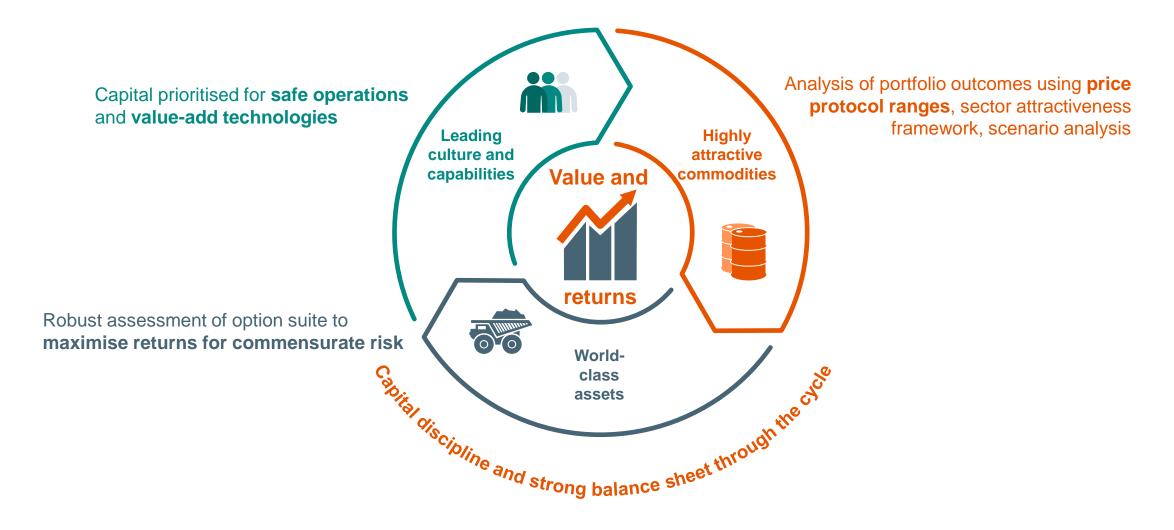
FY01

ROCE (LHS)

FY16

Our strategic framework

Strategy is integral to capital allocation



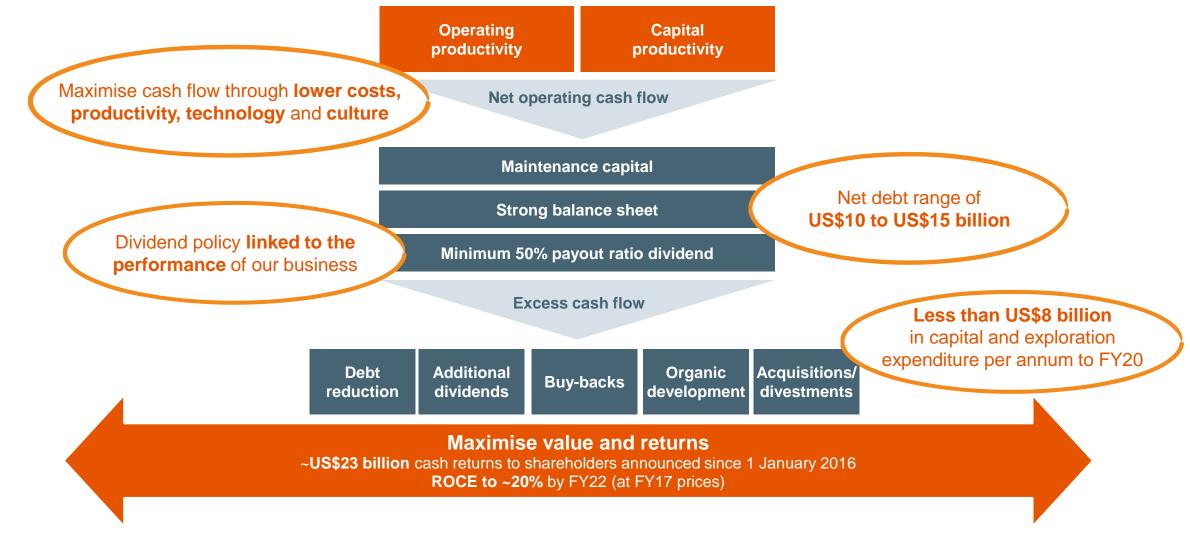
Improving capital allocation

Enhanced capital allocation processes to better manage cyclicality and improve capital productivity

Strategy	 Strategy provides long-term context to today's capital allocation decisions Informs capital allocation to enable evolution from today's optimal portfolio to the optimal portfolio in the future Long-term scenarios to test portfolio resilience and identify new opportunities as demand patterns evolve Option-based approach with rigorous capital competition supports competitive advantage in range of future states
Capital Allocation Framework	 Transparent capital hierarchy promotes accountability and discipline Reduced debt by ~US\$15 billion over last two years and established target net debt range of US\$10 to US\$15 billion Minimum 50% payout ratio policy ties dividends to company performance Improved capital discipline with all investments tested against additional returns to shareholders
Evaluation	 Greater appreciation of risk as well as reward in all investment decisions Quantitative and qualitative risk assessments with a broad range of return metrics Range-based forecasts, stress testing and sensitivity analysis to manage volatility Capital prioritisation fully considers 'optimise without capital' alternative and opportunity cost
Organisation structure	 Centralised capital prioritisation encourages greater competition for capital Separation of sponsor and analysis to remove unconscious bias Earlier Board reviews incorporated into project tollgating process Post investment lessons critically examined and embedded

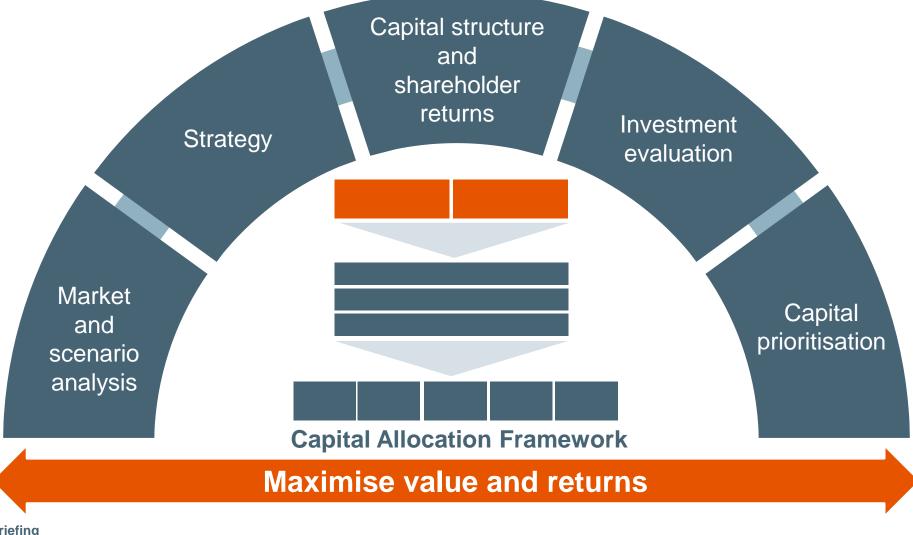
Our framework promotes discipline in all capital decisions

Transparent capital allocation hierarchy



Holistic and objective end-to-end capital allocation process

More integrated approach to capital allocation across assets, finance and commercial functions



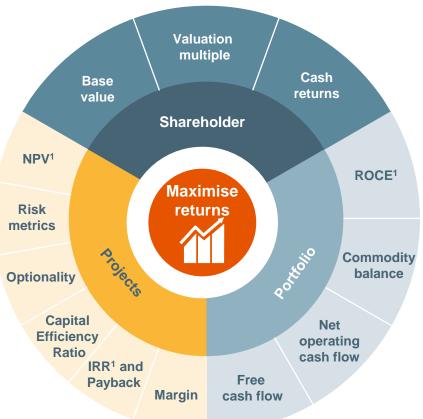


Increased rigour in our evaluation approach

Scenario and range analysis underpins robust assessment of investment decisions

Shareholder considerations

- Share price
- · Additional dividend amounts
- Share buy-backs
- Licence to invest



Portfolio considerations

- Strategic fit
- Portfolio risk
- Scenario / stress testing
- Opportunity cost

Project considerations

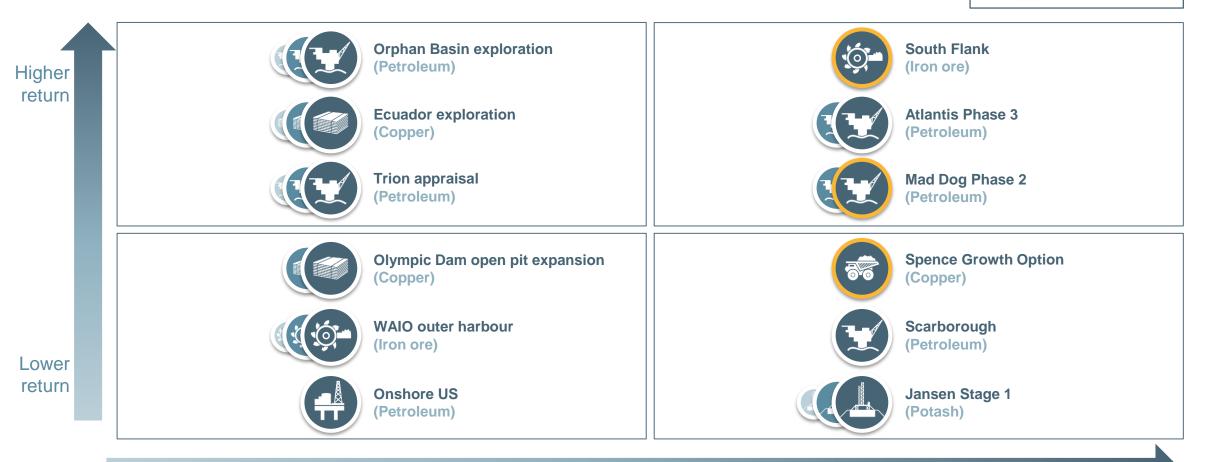
- Risk considerations
- Industry cost-curve position
- Embedded optionality
- Exit / deferral options

1. NPV: Net Present Value; ROCE: Return on average capital employed; IRR: Internal Rate of Return.

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Broad suite of attractive opportunities

Comprehensive approach to evaluate and rank opportunities based on returns, risk and optionality



Higher risk



Lower risk

Optionality

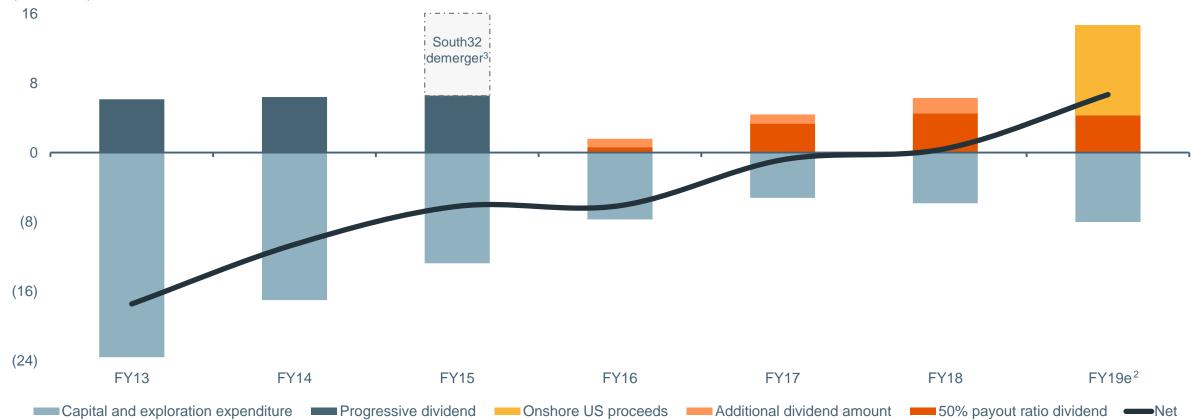
In execution

Changes are embedded, sustainable and delivering

Rebuilding trust takes time and we will be judged on delivery, but changes are embedded and working well

Returns to shareholders and capital and exploration expenditure¹

(US\$ billion)



1. Dividends represent dividends determined for the period. Capital and exploration presented on a total operations basis up to FY14.

2. FY19e dividend assumes minimum 50% payout ratio dividend amount only based on 2018 consensus prices.

3. South32 demerger value based on market capitalisation using 5-day volume weighted average prices between 18 to 22 May 2015 inclusive.

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Changes are embedded, sustainable and delivering

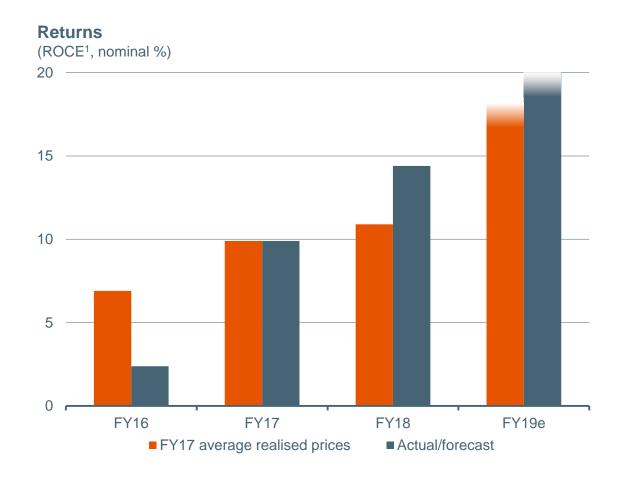
Outcomes since the implementation of the Capital Allocation Framework at the beginning of 2016

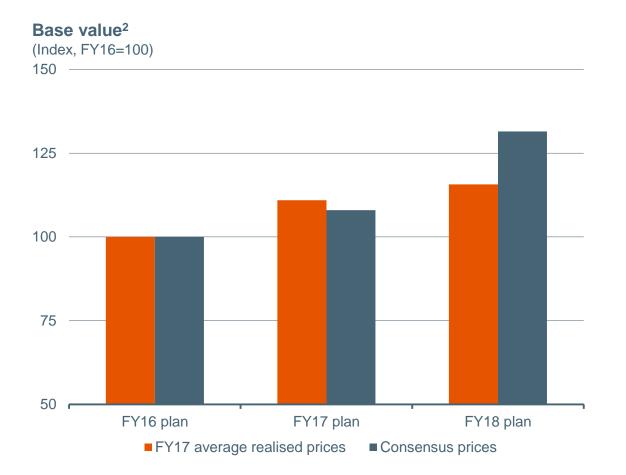


1. Average returns: Major project returns at consensus price forecasts at the time of Board approval; latent capacity project returns as presented in May 2018 at the Bank of America Merrill Lynch Global Metals, Mining & Steel Conference.

Our plans are delivering

Rebuilding trust takes time and we will be judged on delivery, but changes are embedded and working well





1. Represents annualised attributable profit after tax excluding exceptional items and net finance costs (after tax) divided by average capital employed. Capital employed is net assets before net debt. Presentation of future Underlying Return on Capital Employed (ROCE) does not constitute guidance and represents outcomes based on differing price and other scenarios.

2. As presented at the Bank of America Merrill Lynch 2018 Global Metals, Mining and Steel Conference on 15 May 2018. Reflects the planning forecasts at the time before the addition of upside opportunities.

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We have the assets, capability, discipline and options

Our plans show ROCE to 20% by FY22 (at FY17 prices) and improvement in base value



1. Average returns: Latent capacity project and future options returns as presented in May 2018 at the Bank of America Merrill Lynch Global Metals, Mining & Steel Conference. Capital allocation briefing

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Key messages

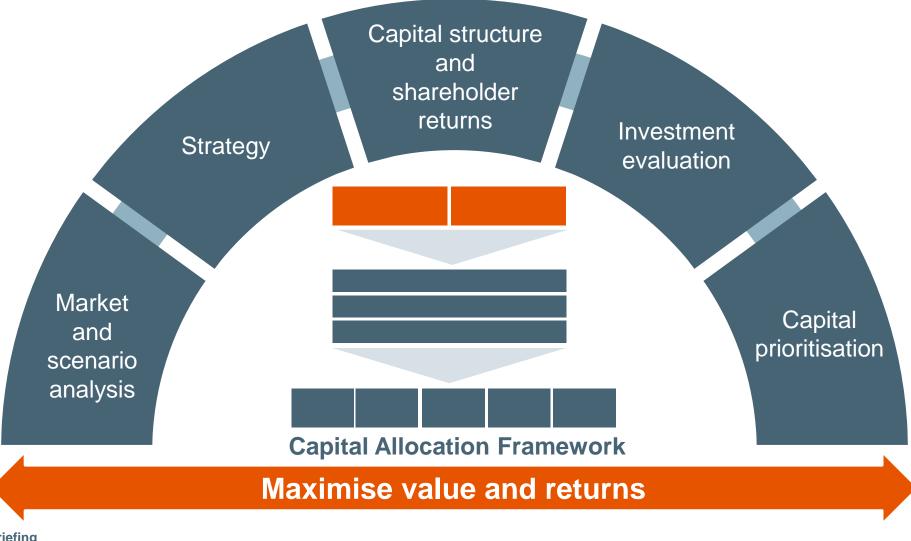
Capital allocation is a key enabler of our purpose to grow long-term shareholder value and returns

Lessons	The mining industry is capital intensive but investments have at times been poor
learned	We have improved our capital allocation approach to support better decisions
Capital allocation	Our Capital Allocation Framework provides a transparent hierarchy, accountability and discipline Centralised capital prioritisation drives purer competition for capital and reduces bias
Managing	Flexibility from a stronger balance sheet and payout ratio dividend policy
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Value and returns	Improvements are significant, sustainable and are driving improved value and returns All investments tested against additional cash returns to shareholders



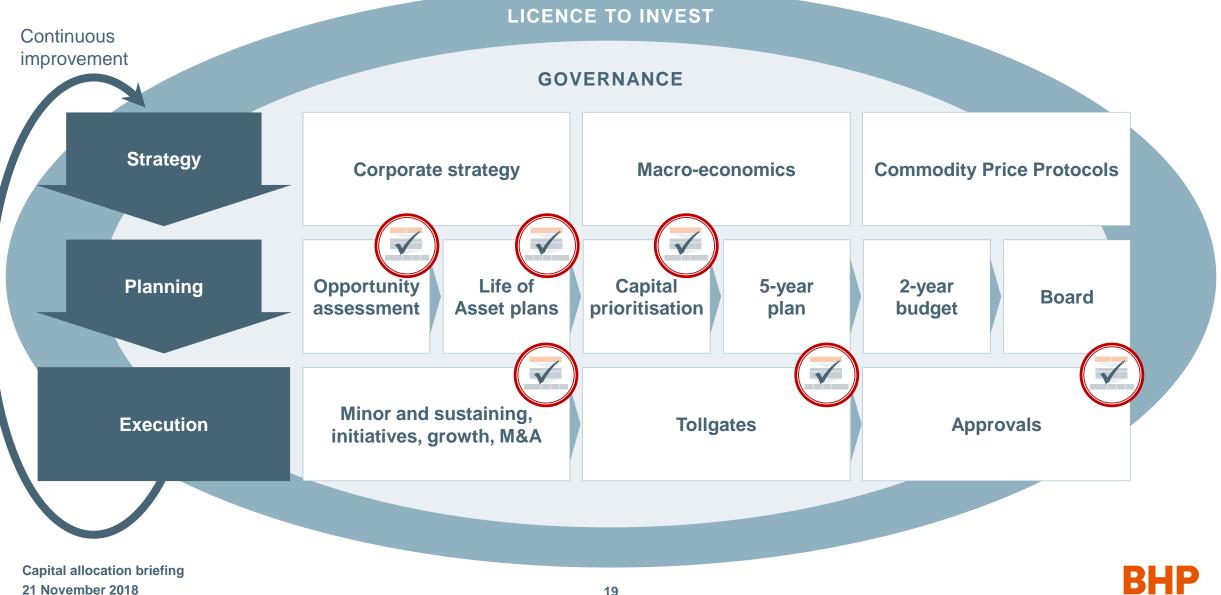


Capital allocation briefing: deep dive





Capital allocation process



Market and scenario analysis: Key messages

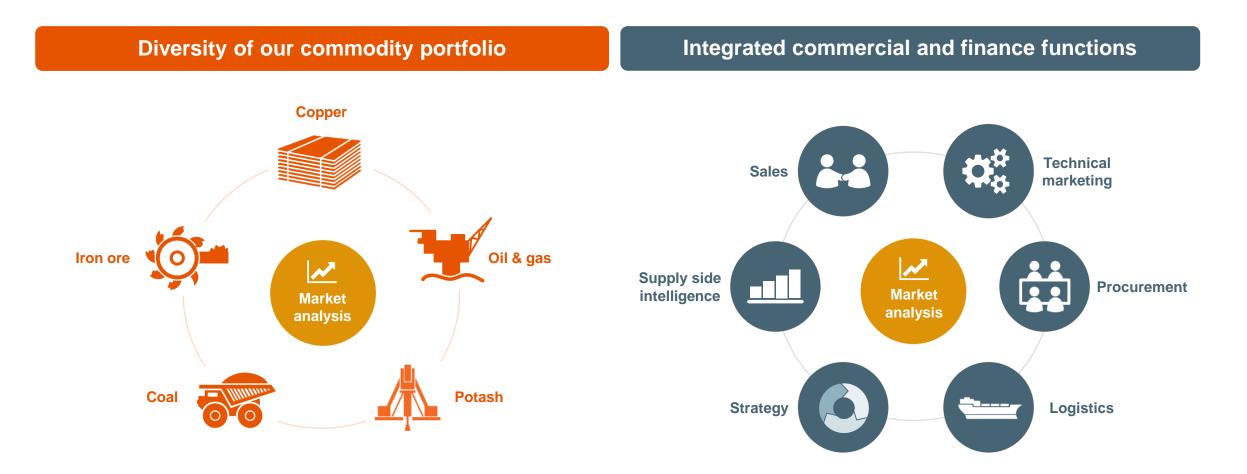
Market and scenario analysis narrows the range of future uncertainty, supporting better investment decisions today

Differentiated	Minerals and energy portfolio diversity enables a holistic view of the global landscape
view	Integrated commercial and finance functions provide end-to-end market intelligence
Independent	Forecast commodity price ranges compiled independently of project sponsors
& objective	Price forecasts applied consistently across the Company
Through	Structures, accountabilities and methodologies seek to mitigate bias and pro-cyclicality
the cycle	More stable long-run views based on strong fundamental analysis enable counter-cyclical thinking
Robust	Scenario, range, counterfactual and shock event analysis exposes most significant uncertainties
methods	Stress test core beliefs and key assumptions that underpin our 'business as usual' projections
Rigourous	Holistic fundamental analysis synthesizing macro, sectoral, technological, market and 'geo' drivers
foundations	Deep understanding of the operating environment, including detailed external benchmarking



Our portfolio and structure provide unique perspective

A holistic view of the global landscape, enabled by our portfolio diversity and end-to-end commercial insights





Improving capital allocation

More stable long-term views and internal consistency drive a level playing field in the competition for capital

Our internal research showed we were pro-cyclical and biased towards recency

We have addressed both the technical and human factors behind pro-cyclicality and recency bias

We are now more stable,	more objective,
Less volatility in long-term forecasts, especially instability stemming from recency bias	Independent team drives internal consistency across all projections
more technically proficient,	and more measured.



Capital prioritisation

This is the tip of the iceberg – what's beneath the surface?

Our forecasts are built on rigourous foundations; and are routinely challenged by robust methods

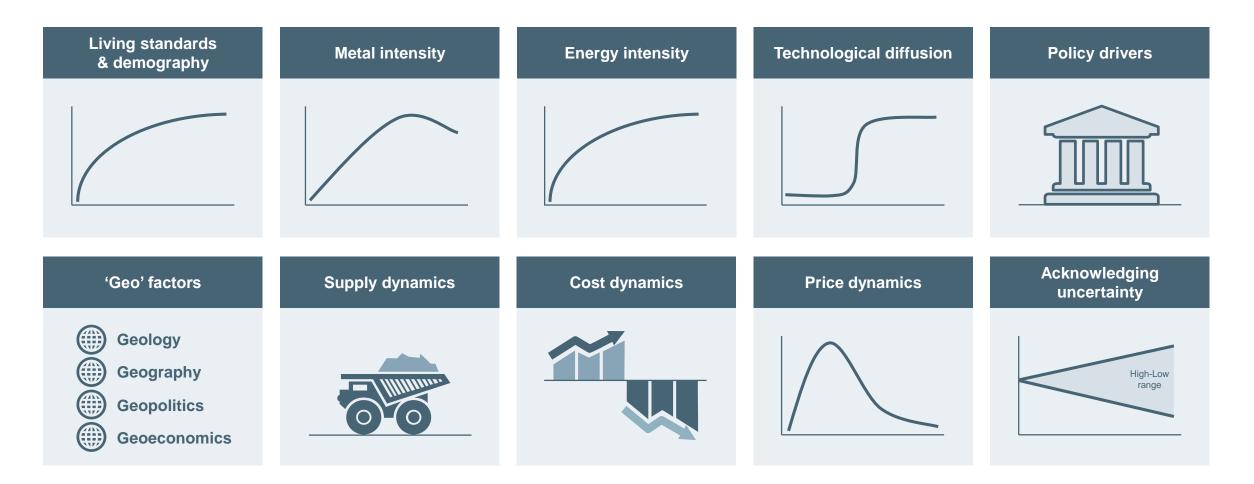
Short term		Medium term		Long term		
	Policy uncertainty	Growth moderating	New copper & oil supply	Steeper cost curves	Growth in population, wealth	New demand centres and themes
	Sentiment mixed	Prudently cautious	Sustainable productivity	Emerging Asia	Decarbonisation and electrification	Technology

	Scenarios
Forecasts	occitatios



Deep understanding of the operating context

Synthesizing macro, sectoral, technological and 'geo' factors with commodity specific dynamics

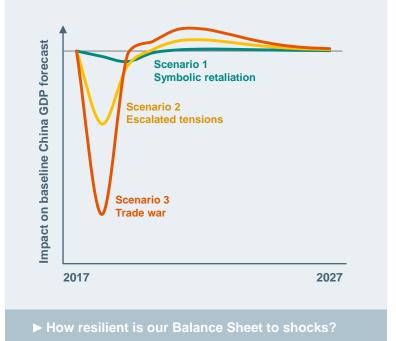




Tracking demand dynamics on all time horizons

Short-term shocks **Sino-US trade tensions**

Dynamic modelling of potential shocks, allied to bottom-up expertise, equips us to anticipate and prepare for potential stress



Medium-term shifts China's new reform era

Belt & Road Initiative

Steel demand Copper demand

per capita¹

Global BRI

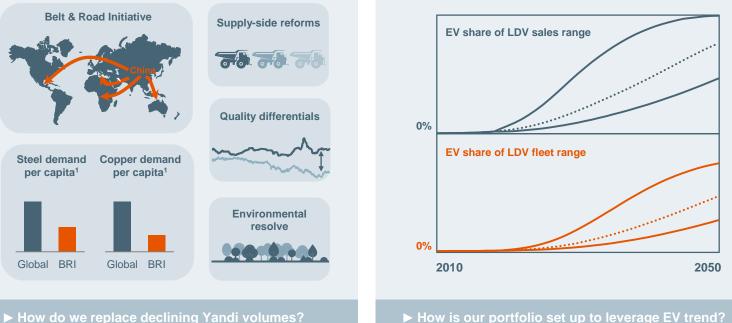
per capita¹

Global BRI

Quality differentials likely to be durable; China's mill fleet becomes bigger, coastal & greener; Belt & Road a key enabler of Eurasian development

Long-term risks & opportunities **Electrification of transport**

EV share of light vehicle sales is set to grow. potentially increasing demand for copper and nickel, while lowering demand for oil



► How is our portfolio set up to leverage EV trend?

Source: All data shown based on internal BHP analysis. Abbreviations: GDP - gross domestic product; BRI - Belt and Road Initiative; EV - electric vehicle; LDV - light duty vehicle.

1. BRI figures shown for demand per capita exclude China; steel figures represent average for 2016; copper figures represent average for 2017.

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Strategy: Key messages

Our strategy creates long-term value for shareholders

Scenario analysis	Long-term scenarios to test portfolio resilience and identify new opportunities under materially different worlds			
Strategic focus	Maximise shareholder value and returns by driving competitive advantage through industry-leading capabilities applied to a portfolio of world-class assets in the most attractive commodities			
Optimised portfolio Strategy helps direct capital allocation enabling evolution from today's optimal portfolio to the optimal portfolio in the future				
Competitive advantage	Identification of key value drivers in each of our commodity businesses: productivity, simplification, maturation of our option suite; underpinned by a strong balance sheet			
Future options	Option-based approach to investments, with rigourous competition for capital, supports competitive advantage in a range of future outcomes			



Improving capital allocation

We have invested in strategic capabilities in the last three years

Strategic thinking

Scenario analysis to uncover opportunities and risks: from now through the very long term

Divergent thinking, bookends to test extreme what if outcomes

Strategic framework

Holistic framework drives competitive advantage: culture and capabilities, commodities and assets

Strategic fit

Assets must be on strategy and compete for capital based on risk-adjusted returns

Filling the gaps through acquisitions and divestments, exploration and early stage options

Structure and capabilities

Centralised strategy team within Finance

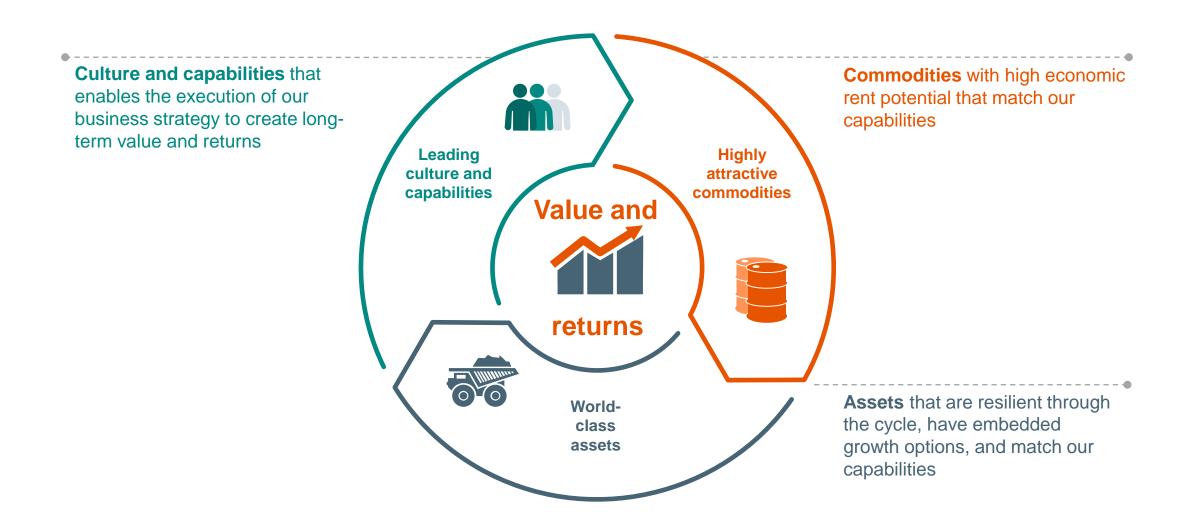
Strategic alignment in all decision-making across the Group focuses effort towards a common goal

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Strategic framework

Leverage our values, capabilities and resources to meet the evolving needs of markets



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Strategic drivers

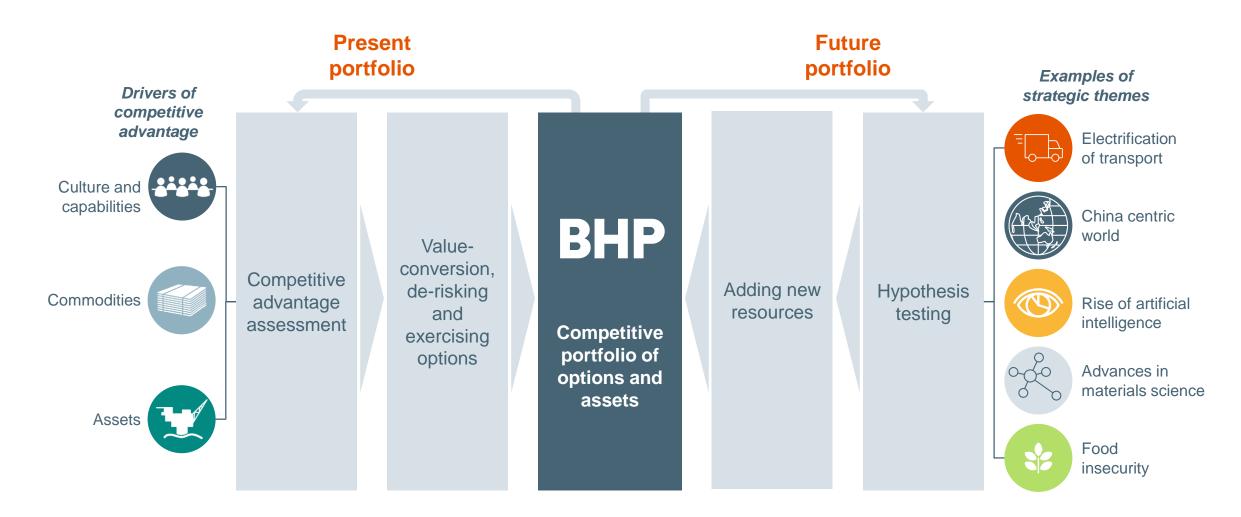
We aspire to have industry-leading capabilities applied to a portfolio of world-class assets in the most attractive commodities

Strategic capabilities	Which commodities?	Which assets?
Market intelligence	Market size	Cost curve position
Resource access Capital allocation Value conversion Social value	Supply and demand gap (i.e. growth potential) Potential to capture rent Risk of disruption	Expansion options Resource life Capital intensity Alignment with our capabilities
		Country risk



Strategic process

Continually assessing our competitive advantages and future fitness of portfolio





Capital structure and shareholder returns: Key messages

Strong balance sheet and payout ratio dividend underpin financial flexibility

Integrated	Capital Allocation Framework embeds Treasury in balance sheet, distribution and investment decisions Treasury an increasingly proactive influence in capital allocation
Through	US\$10-15 billion net debt range provides optimal balance of flexibility, optionality and efficiency
the cycle	Provides downside protection and supports our ability to invest counter cyclically
Scenario	Forward-looking probabilistic and deterministic analysis to stress test the balance sheet and dividend payments
analysis	Consistently test affordability of planned portfolio and investments
Robust	Strong liquidity provides buffer from volatility
liquidity	Debt portfolio remains diversified and long dated
Shareholder	Minimum 50% payout ratio dividend policy better suited to cyclical cash flows and supports counter-cyclical investment
returns	Additional distributions assessed through application of Capital Allocation Framework



Improving capital allocation

Through the Capital Allocation Framework, Treasury is embedded in investment and capital returns decisions

Commerciality	
Best practice from bank and corporate treasuries	
Commercial mindset in transaction structuring	
Risk	
Increased focus on internal capital, market and credit risks	
Range-based forecasts and stress testing to manage volatility	



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Strong balance sheet

A strong balance sheet provides stability, flexibility and optionality through the cycle

Balance sheet tested under a range of price scenarios	Illustrative net debt	range through the cy	cle
 Buffer for price moves protects the company and ensures ability to act counter-cyclically Consistently testing affordability of cash returns and investment 	Mid prices	Stress prices	Mid prices
 Diversified and long-dated maturity profile Lower gross debt and long weighted average life of debt Staggered maturity profile for added flexibility 	Target US\$10-15 billion net debt range		
 Shielding the business from volatility Undrawn committed US\$6 billion Revolving Credit Facility Enhanced liquidity framework better caters to volatility 			
 Transparent target range provides stability and flexibility Net debt to move counter-cyclically Range can be temporarily breached for the right opportunity with pathway back to range 	 Net debt Net debt v 	with counter cyclical investr	
	 ability to act counter-cyclically Consistently testing affordability of cash returns and investment Diversified and long-dated maturity profile Lower gross debt and long weighted average life of debt Staggered maturity profile for added flexibility Shielding the business from volatility Undrawn committed US\$6 billion Revolving Credit Facility Enhanced liquidity framework better caters to volatility Transparent target range provides stability and flexibility Net debt to move counter-cyclically Range can be temporarily breached for the right 	 Buffer for price moves protects the company and ensures ability to act counter-cyclically Consistently testing affordability of cash returns and investment Diversified and long-dated maturity profile Lower gross debt and long weighted average life of debt Staggered maturity profile for added flexibility Shielding the business from volatility Undrawn committed US\$6 billion Revolving Credit Facility Enhanced liquidity framework better caters to volatility Transparent target range provides stability and flexibility Time=0 Price independent of the right opportunity with pathway back to range 	 Buffer for price moves protects the company and ensures ability to act counter-cyclically Consistently testing affordability of cash returns and investment Diversified and long-dated maturity profile Lower gross debt and long weighted average life of debt Staggered maturity profile for added flexibility Shielding the business from volatility Undrawn committed US\$6 billion Revolving Credit Facility Enhanced liquidity framework better caters to volatility Net debt to move counter-cyclically Net debt to move counter-cyclically Range can be temporarily breached for the right

^{2.} FFO ratio: Funds From Operations/Net Debt.

Capital allocation briefing

e cycle



Commodity basket index (RHS)

Minimum 50% payout ratio dividend and additional returns

Rewarding our shareholders whilst maintaining flexibility

Minimum dividends	 Payout ratio better suited to cyclical cash flows Committed to cash returns – important component of TSR¹ More responsive to changes in conditions Reduces volatility in net debt Supports counter-cyclical investing 	Payout ratio dividend policy res (Dividends determined, US\$ billion) 10.0 7.5	Commodity index, FY08=100) 200 - 150
Additional amounts	 Considered through Capital Allocation Framework Additional US\$9 billion over minimum dividend announced since February 2016² Balance sheet position considered when determining amount of excess cash available Additional shareholder returns compete with investments 	5.0	100 - 50
Strength and flexibility	 Better placed for the next downturn Debt moving counter-cyclically while dividends move pro-cyclically Supports improved capital allocation through the cycle 	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Progressive dividend

1. TSR: Total shareholder returns.

2. US\$3.8 billion additional dividend amounts returned in last two years, plus US\$5.2 billion special dividend announced in relation to Onshore US divestment.

3. Assumes minimum 50% payout ratio dividend amount only based on 2018 consensus prices.

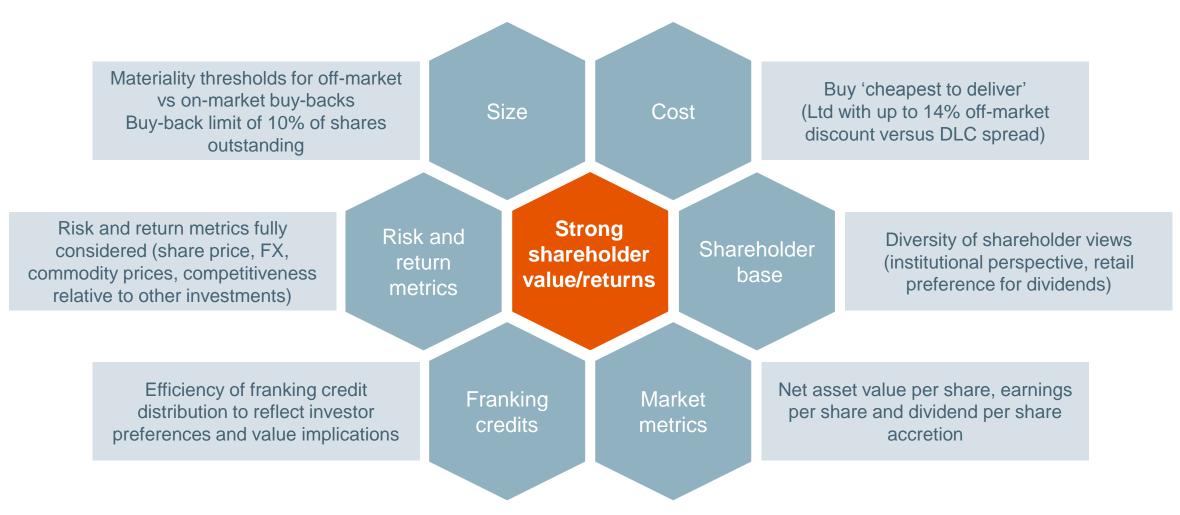
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Share buy-back analysis

The Capital Allocation Framework underpins the form of returns of the shale proceeds





Investment evaluation: Key messages

Thorough approach to investment evaluation to optimise our decisions

Portfol	Broad suite of attractive opportunities across commodities and time periods Objectively assessed through comprehensive risk-return framework across the development life cycle
Retur	Wide range of metrics to assess returns across project, portfolio and shareholder level Used in conjunction to provide holistic view on returns
Risk	Full risk assessment across quantitative and qualitative criteria Consider full set of material risks relevant to each capital allocation decision
Risk-adju return	
Optior	s Constantly replenishing options with flexibility at entry and exit points to manage risk Focus on options with a low cost of carry



Improving capital allocation

Structural changes to our investment evaluation processes to improve objective opportunity assessment

Strategic	Transparent
Centralised opportunity assessment to increase strategic alignment and reduce bias Simplified processes and robust internal capability enable fast investment decisions	Early and iterative investment review process Fully incorporate impacts of incremental supply in investment decisions Capital Allocation Working Group formed and recommendations implemented
Objective	Flexible
Objective Quantitative and qualitative risk-return analysis	Flexible Assets identify and optimise opportunities

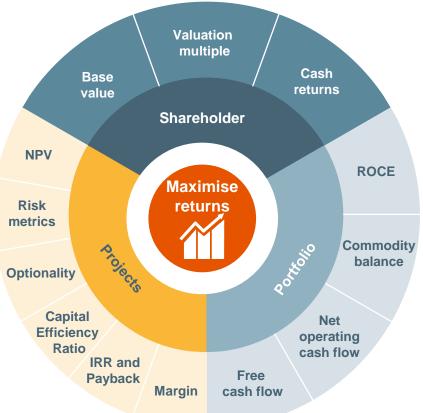


Project risk-return assessment

A broad range of metrics used to assess risk-returns across project, portfolio and shareholder level

Risk-adjusted returns	 Investment return must at least match the returns from alternatives with similar risk and time horizons Appropriate risk-return balance Consistent long-term assumptions Returns at project, portfolio and shareholder level 	٨
Opportunity cost of capital	 Tested against higher of cost of capital or return of share buy-back Flexibility according to market conditions 	R me
Incorporating real options	 Consideration of option value potential Future expansion options considered Exploration, early stage M&A, organic options Capital allocation guides investment decisions across real options 	Ор

Metrics used in conjunction to provide comprehensive view on returns



Focused on risk-adjusted returns

Simple hurdle rates may prevent us from making optimal decisions

Investment into Tier-1 assets have been highly value accretive, returning significantly above the market average for ~30 years

- these investments may have been missed if the decision was based on a hurdle rate, rather than their risk and reward characteristics
- In Onshore US, the expected high returns on short-cycle investments with volatile commodity prices were not realised we have learnt from this



Asset returns (annualised)^{1,2}

Appropriately considering the investment risk and reward characteristics enables better investment decisions

Cash flow distribution and payback	Real options
 Near vs long-term view on cash flows Period of time initial capital is at risk 	 Multiple commodity price cycle improvement Assessing expansion, deferral and exit costs
Industry cost curve position	Downside / upside risk distribution

1. IRR real on a risked, 100% basis. Indicative internal analysis.

2. Source: Thomson Reuters, BHP. Market indices reflected with Total Shareholder Return (TSR).

3. Includes BMA, BMC and Gregory Crinum.

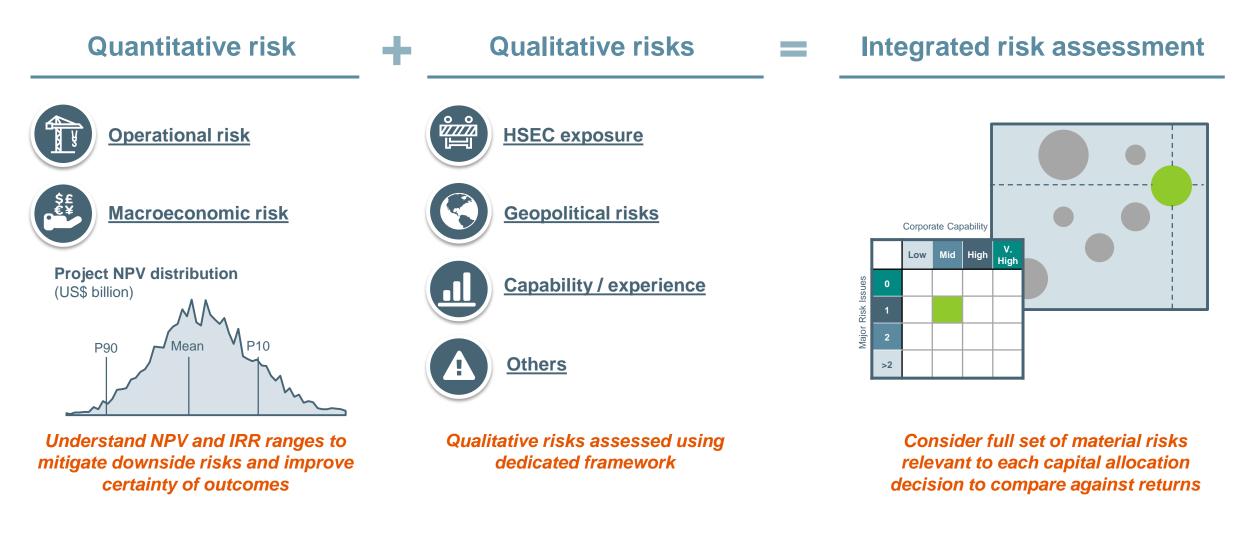
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BHP

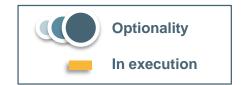
Holistic approach to project risk

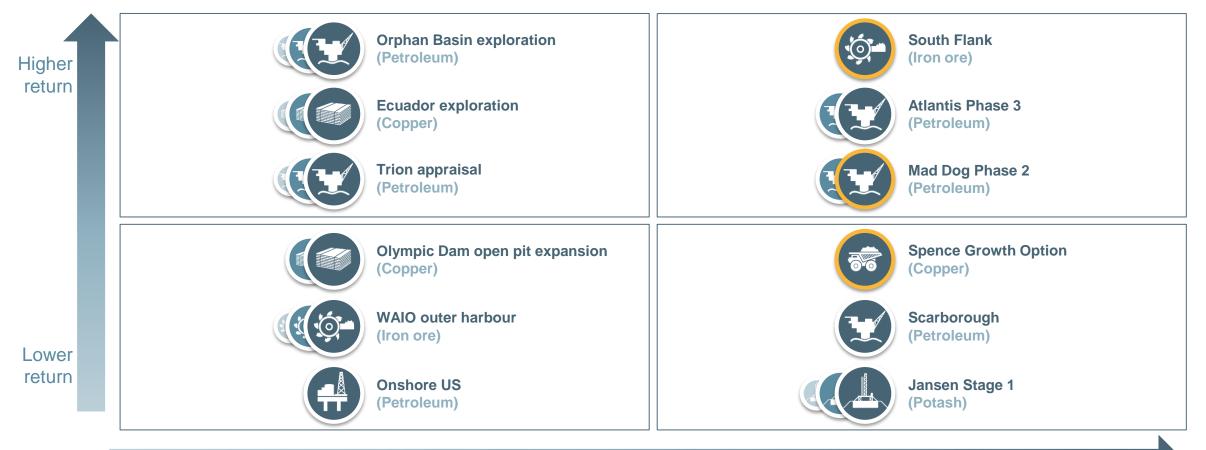
Improved understanding of risk is driving better investment decisions



Broad suite of attractive opportunities

Comprehensive approach to evaluate and rank opportunities based on returns, risk and optionality





Higher risk



Lower risk

Capital prioritisation: Key messages

Improved capital prioritisation is encouraging purer competition for capital and driving improved capital productivity

Fundamental	Bottom-up scenario and range analysis to consider the optimal level of investments
analysis	Greater rigour in option evaluation mitigates downside risks and improves certainty of outcomes
Structured approach	Opportunity assessment starts at the assets before competing centrally Bottom-up build during the Life of Asset planning process
Multi-	Weighing optimal capital towards balance sheet strength, growth, M&A and shareholder returns
disciplinary	Incorporating input from other areas of the business (including treasury, marketing, tax, accounting and projects)
Portfolio	Capital allocation framework provides level playing field for diverse opportunities to compete
optionality	Growth, exploration and early stage M&A options assessed from a portfolio perspective
Time	Lessons learnt from the past to better manage inevitable cyclicality of the mining industry
horizons	Embedded in our short, medium and long-term decision-making



Improving capital allocation

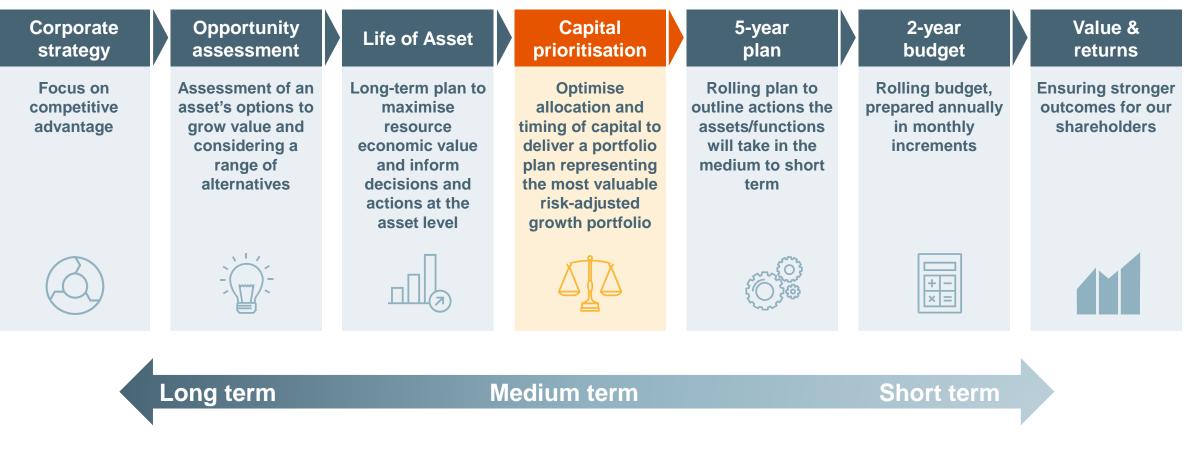
Fundamental changes to our capital prioritisation processes to enable objective portfolio assessment

Holistic	Competitive
Capital prioritised from a portfolio perspective consistent with long-term strategy, to ensure maximum value and returns Includes major, minor & sustaining projects, latent capacity, exploration, technology and functional initiatives	Purer competition for capital drives capital productivity Investment tested against buy-backs and acquisition options
Objective	Discipline
Objective Capital prioritisation managed centrally to avoid bias from asset submissions Whole of portfolio view drives better decisions	Discipline Standardised investment and evaluation approach Fully consider risk vs reward, qualitative factors and investment constraints Guided by the Capital Allocation Framework



Capital prioritisation is integral to our planning process

Capital prioritisation bridges planning across all time horizons to ensure alignment with strategy and day-to-day operations



Structured approach to assess options

Information generated by the assets during Life of Asset planning process

Centrally assessed in corporate office with common criteria against other options

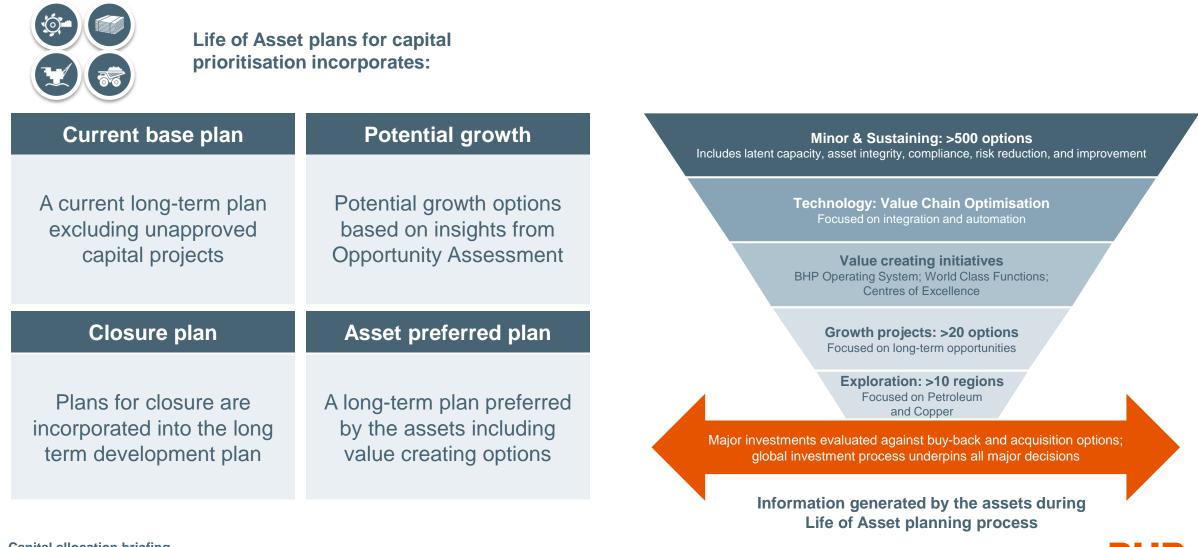
Healthy competition of options with objective approach





Bottom-up build during Life of Asset planning process

Assets identify different options to grow value of the business and include these in their Life of Asset plans



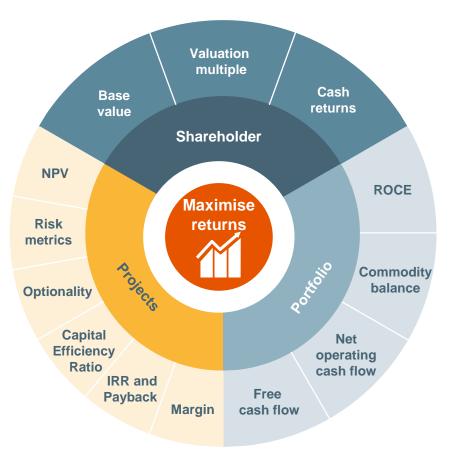
Portfolio optionality assessed by centralised planning

Options assessed from a portfolio perspective against a number of metrics



The assessment of options evaluates:

Strategic fit	Scenarios
Alignment to BHP's portfolio strategy	Stress test plans against different pricing scenarios
Risk-return	Sequencing



Options are assessed across number of metrics at project and portfolio level

Value is optimised for a considered level of risk

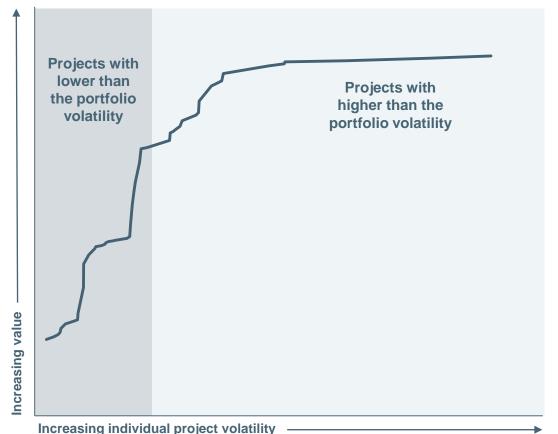
An optimised portfolio plan represents the most valuable risk-adjusted growth portfolio



The optimised portfolio plan considers:

Portfolio risk-return	Portfolio correlation
Long-term growth portfolio optimised on a risk-return basis	Portfolio correlation of each major growth project considered to help manage risk
Balance sheet	Timing

Options portfolio value (US\$ billion)

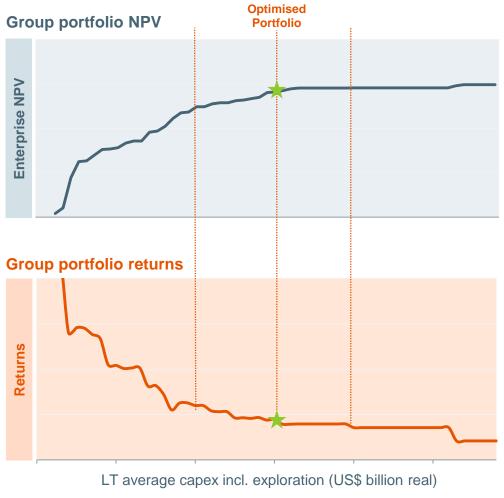


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Portfolio considerations

A strong portfolio gives us stability and flexibility through the cycle

Strategic fit	 Opportunities are assessed against strategic framework Prioritise safety in all decisions Targeting the right commodity and assets Enabled by the right internal capabilities and capacities 	
Balance sheet impact	 Optimised portfolio assessed for impact on balance sheet Stress testing the portfolio on multiple scenarios Consider size of projects and impact to capital structure Explore options for partnership-based risk sharing structures (e.g. Jansen) 	Enterprise NPV
Portfolio risk	 Assess options to better 'balance' portfolio exposures Avoid concentration towards one economic driver (e.g. steel demand or energy) Stable portfolio reduces volatility of cash flows and lowers funding costs Optionality to take advantage of opportunities throughout the commodity cycle 	Grou



Optimise value for considered level of risk



BHP

Value maximised through our Global Investment Process

Fundamental process underpinning all major decisions before commitment of project capital

Global Investment Process (GIP)		
Project Study	Project stages	Examples include
 Phased process with independently reviewed tollgates Management Committee oversight and endorsement through phases and execution 	Conceptual	Escondida Debottlenecking Spence Ripios Processing Resolution
Projects can be referred back to previous phases for further study, de-risking and optimisation	Pre-feasibility	Scarborough Olympic Dam Brown Field Expansion Hay Point Ship Loader
Project Delivery		Jansen Stage 1
Constant monitoring on project execution	Feasibility	Atlantis Phase 3 Ruby
Periodic reporting on Board set KPIs		Barracouta West
Material changes in execution trigger a Supplementary Approval Request	Execution	Spence Growth Option (23% complete) Mad Dog II (31% complete) South Flank (15% complete) Escondida Water Supply Expansion

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Capital stewardship in Minerals Australia: Key messages

Embedding the culture, capability and processes to drive better capital decisions through to the front line

Capital	Greater respect for every dollar of capital across all levels of the organisation
stewardship	Competition for capital and disciplined mindset now embedded throughout
Competition	All project capital >US\$2 million goes through a robust prioritisation process
for capital	Capital discipline encourages innovation and more intense testing of the 'optimise without capital' case
Efficiency	Significant improvement in project capital efficiency Faster, better studies; programs of work increase synergies and reduce effort; dedicated contracts team
Increased	Improved project delivery in accordance with safety, time and cost targets
certainty	Enhanced project management across all projects throughout the portfolio
Capability	Deep project expertise drives value optimisation during study phase Business case to justify capital applications are better defined, bringing more scrutiny into business benefits



Improving capital allocation

Significant improvement in major project performance (externally benchmarked); permeated into all projects in a fit for purpose way

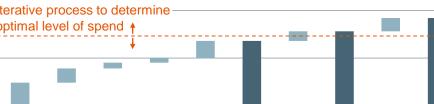
Certainty	Capital efficient
Integrated planning provides stability Portfolio tracking enables early escalation Project-specific commercial skills and discipline	Enhanced study expertise drives earlier value optimisation Greater performance benchmarking
Disciplined	Integrated
Simplified operating requirements	Working as a single projects community
Consistent standards applied to all projects >US\$10 million Standard approach to safety in design to improve long-term outcomes	Projects Centre of Excellence to accelerate improvement

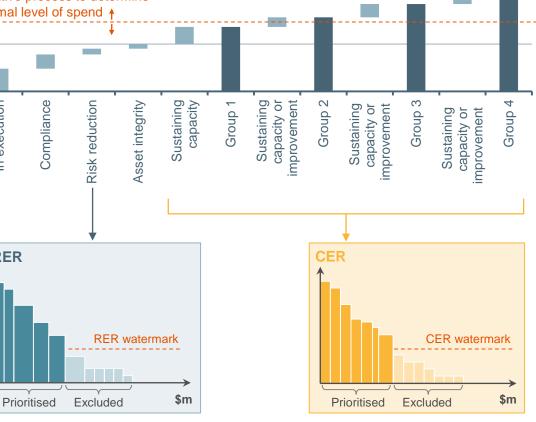


Disciplined approach to choose only the right projects

Front-line has to justify capital demand and understand trade-offs

	 All projects >US\$2 million must submit business case (fit for purpose) to be included in prioritisation process 	Prioritisation of minor and sustaining capital (US\$) Iterative process to determine optimal level of spend								I	
	Process	 grouped by type; prioritised for compliance, risk reduction and asset integrity 			spend						
		 Fed into iterative Group-wide prioritisation process to allow best allocation of limited resources (e.g. capital; capability) 	execution	iance	uction	egrity	Sustaining capacity	Group 1	aining bity or sment	Group 2	-
		 All projects assessed against relevant standard metrics¹ General Managers need to compete with each other for 	In exec	Complia		Asset integrity	Sust ca	Q	Sustaining capacity or improvement	G	01010
	Value	 the best place to invest Increased maturity in asset integrity and sustaining capital requirements for the long term 	RER	_	•					CEF	1 2



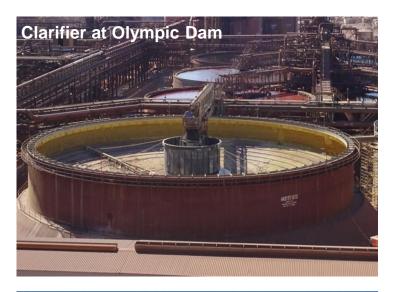


1. Includes Capital Efficiency Ratio (CER); Internal Rate of Return (IRR); Net Present Value (NPV); Risk Efficiency Ratio (RER); Asset Integrity Assessment.

More value captured through high-quality studies

Study specialists work hand-in-hand with the operation to fully evaluate possibilities before scope is locked

 Invested in people with deep expertise in study leadership · With an increased focus on brownfield projects, we How bring a 'whole of business' mindset to what we do (not just 'the builder of stuff') - shift in focus from 'what needs to be built' to 'what needs to be solved' Identified that Olympic Dam clarifier could be replaced (rather than repaired, as originally proposed) for similar capital, but with less risk and while catering for BFX · Proved that leaving a major substation was higher value than relocating to extract coal from underneath Examples · Competition between iron ore mines for incremental capital proved which has best metric; changed batting order to match







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Significant improvement in project efficiency

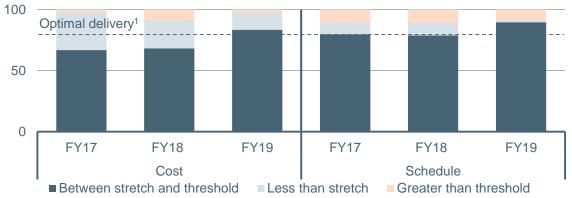
We are leveraging the scale of Minerals Australia Projects to drive efficiency and continuous improvement

Measuring our erformance	 We have benchmarked (internally and externally) extensively to understand project performance We sit at, or better than, industry averages including for study costs and durations, and construction productivity Underpins strong safety performance
Still more	 Opportunities exist through more scrutiny – every dollar of scope
to get	 engineering service provider performance

- in-field productivity

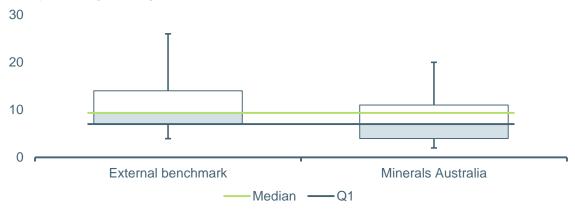
More projects delivered to plan drives efficiency and predictability

(Minerals Australia project delivery performance, %)



More efficient studies

(Study and engineering cost as % of total cost)



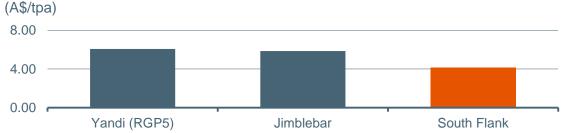
1. Stretch set at P10 and threshold set at P90. Therefore, 80% of projects should be delivered between stretch and threshold.

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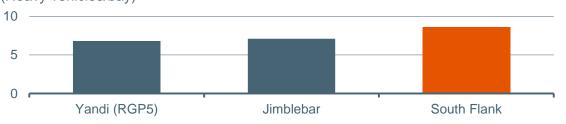
South Flank: Getting the most out of every dollar

Investment returns were compelling, but we actively analysed every element to improve efficiency

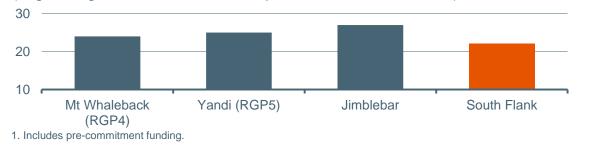
Learning from past projects to optimise OHP design



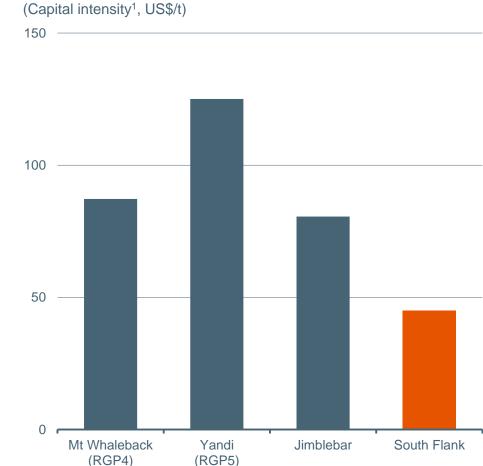
Design improvements means NPI supports larger fleet (Heavy vehicles/bay)



Integrated teams reduce costs and drive better outcomes (Engineering and EPCM costs as % of plant and infrastructure costs)



Delivering an improvement in capital efficiency



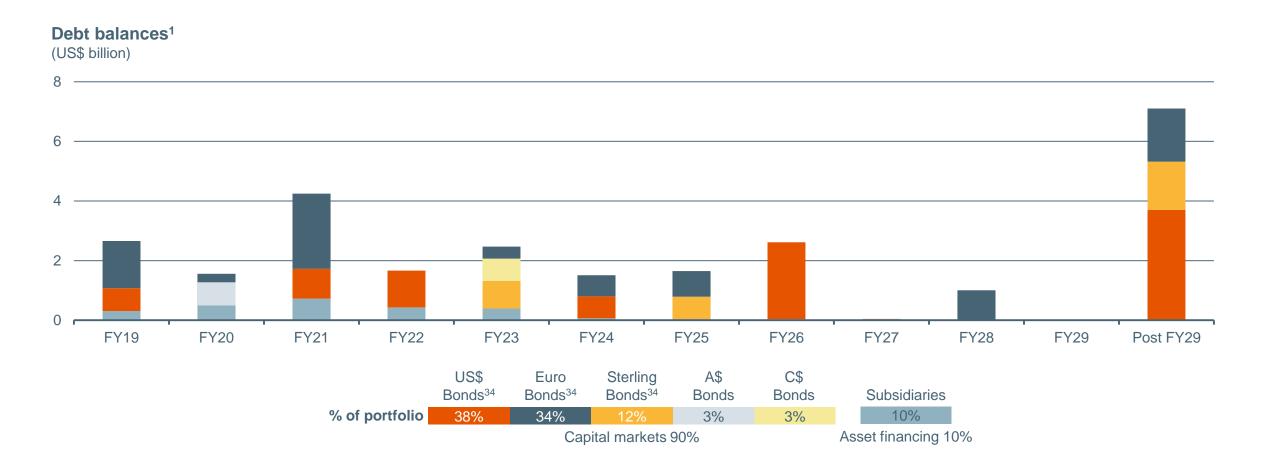






Appendix

Debt maturity profile



Latent capacity – attractive returns, limited risk

Continuous replenishment of our suite of capital efficient, low risk, high return options supports the next wave of latent capacity

Options	IRR¹ (%)	Risk ¹ (1-5)	Timing ¹	Capex (US\$m)	Description
WAIO Debottlenecking	>100	٠	<2 years	<250	Supply chain debottlenecking initiatives at the port and rail, and releasing latent capacity at Jimblebar to increase production to 290 Mtpa
Barracouta West~20Non<2 years~200Brownfield tieback opportunitPetroleum~20Operated<2 years		Brownfield tieback opportunity to existing infrastructure in the Bass Strait.			
Escondida EWS Expansion	>50	••	<2 years	~500	Expansion of desalination plant to reduce groundwater usage and maximise concentrator throughput
Escondida >100		••	various	>500	Concentrator debottlenecking, sulphide leach reprocessing of ripios, truck and shovel fleet upgrades
Spence Ripios processing	~60	••	2-5 years	250-500	Reprocessing of ripios dumped since the beginning of the Spence operations
Queensland Coal Latent capacity	>100	٠	>5 years	>500	Investing in stripping capacity and pipeline of productivity initiatives to shift the bottleneck towards the coal handling plants
Spence Debottlenecking	>15	•••	••• >5 years >500 Processing lower grade hypogene material with increased in-pit semi mobile ore conveying		Processing lower grade hypogene material with increased recoveries, concentrator debottlenecking, in-pit semi mobile ore conveying
Aggregate	>100			~US\$4 bn	Up to ~2 Mt of incremental Cu eq. capacity with ~US\$16 bn unrisked NPV

1. Projects as presented in May 2018 at the Bank of America Merrill Lynch Global Metals, Mining & Steel Conference; IRR: Returns at 2018 consensus price forecasts; ungeared, post tax, nominal return; Risk profile is based on a BHP assessment of each project against defined quantified and non-quantified risk metrics rated out of 5; 5 represents more risk; Timing: Represents potential first production

Future options – worked for value, timed for returns

Investment decisions made in accordance with our capital allocation framework and fully consider the broader market impact

Options	Description	Potential execution timing	Capex (US\$m)	GIP tollgate ¹	IRR ¹	Risk ¹ (1-5)	Investment considerations
Atlantis Phase 3 Petroleum	Tie back to existing Atlantis facility unlocked through Advanced Seismic Imaging	<1 year	>500	Feasibility	~25	Non Operated	 Resilient to price - Non-operated JV Low risk, robust economics
Ruby Petroleum	Tie back into existing processing facilities in Trinidad & Tobago	<1 year	>150	Feasibility	>25	••	 Similar scope to existing tie backs Utilisation of existing facility capacity Early life sensitivity to oil price
Olympic Dam BFX Copper	Accelerated development into the Southern Mine Area, debottlenecking of existing surface infrastructure to increase production	<5 years	>2,000	Pre-feasibility	~20	••	 Resilient to price Improved Cu grades in the Southern Mine - Area Continued resource definition Power network instability
Scarborough Petroleum	Tie back development to existing LNG facility	<5 years	<2,000	Pre-Feasibility	>15	Non Operated	 Tier 1 resource Ability to process through North West Shelf Oversupply of LNG driving low price market environment Remote field location, deep water, severe metocean conditions
Wards Well Metallurgical Coal	Long-life, premium hard coking coal resource, greenfield underground long-wall mine	>5 years	>1,000	Opportunity assessment	~15	••••	 Tier 1 resource Proximity to existing operating assets Risk of impact on market supply Supply chain logistic complexities
Resolution Copper	Underground block cave with attractive grade profile and competitive cost curve position	>5 years	<3,000	Conceptual	>15	Non Operated	 High copper grades Resilient to price Resilient to price Non-operated JV Technical risk due to caving at the resource depth and tailings options. Permitting requirements
Jansen Stage 1² Potash	Tier 1 resource with valuable expansion optionality	<5 years	~5,000	Feasibility	~13	•••	Tier 1 resource, stable jurisdiction Operating costs of ~US\$100/t (FOB Vancouver) Unrivalled position of land Sensitive to price High capital cost and long payback
Jansen Stage 2-4 Potash	Sequenced brownfield expansions of up to 12 Mtpa (4 Mtpa per stage)	>15 years	~4,000 per stage	Opportunity assessment	~16	••	 Long term growth optionality and value generation Risk of market oversupply Complexities from project size Significant capital requirement Further de-risking required
Aggregate					~17		Aggregate unrisked value of ~US\$15 bn spanning commodities and time periods

1. Projects as presented in May 2018 at the Bank of America Merrill Lynch Global Metals, Mining & Steel Conference; Global Investment Process (GIP) tollgate; IRR: Returns at 2018 analyst consensus price forecasts; ungeared, post-tax, nominal rates; Risk profile is based on a BHP assessment of each project against defined quantified and non-quantified risk metrics rated out of 5; 5 represents more risk. 2. Jansen Stage 1: IRR is ~14% excluding the remaining investment for completion of the shafts and installation of essential service infrastructure and utilities.

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Exploration – extending our conventional reserve life

Investment decisions made in accordance with our Capital Allocation Framework and fully consider the broader market impact

Options	Location	Ownership	Maturity	Earliest firs production	t Description	Planned future activity
Wildling Petroleum	USA - Gulf of Mexico	80+% Operator	Appraisal	Mid 2020s	Large oil resource across multiple horizons near operated infrastructure in US Gulf of Mexico	Complete additional appraisal to optimize development
Western GOM Petroleum	USA - Gulf of Mexico	100% Operator	Frontier	Early 2030s	Acquired a significant acreage position in Western Gulf of Mexico	Commenced acquisition of Ocean Bottom Node seismic survey in August 2018
Trion Petroleum	Mexico - Gulf of Mexico	60% Operator	Appraisal	Mid 2020s	Large oil discovery in the Mexican deepwater Gulf of Mexico.	Commenced drilling first operated appraisal well in November 2018
Magellan Southerr Gas Petroleum	Trinidad and Tobago	65% Operator	Exploration	Mid 2020s	Potential material gas play in Deepwater Trinidad, well positioned to the Atlantic LNG plant onshore T&T	Rig completed 2 well exploration program in October 2018
Northern Gas Petroleum	Trinidad and Tobago	70% Operator	Exploration	Mid 2020s	Potential material gas play in Deepwater Trinidad, well positioned to the Atlantic LNG plant onshore T&T	Additional exploration to test other prospects following the recent Bongos-2 success
Northern Oil Petroleum	Trinidad and Tobago	70% Operator	Frontier	Late 2020s	Potential oil play in deepwater Trinidad	Further geotechnical analysis
Exmouth sub- basin Petroleum	Australia	35-75%	Exploration	Mid 2020s	Proved hydrocarbon system with producing oil and gas discoveries	3D seismic data has been received and is being analysed
Orphan Basin Petroleum	Canada	100% Operator	Frontier	Early 2030s	Recent bid success for blocks with large oil resource potential in the offshore Orphan Basin in Eastern Canada.	Exploration work programs of US\$140 million up to FY2021
Samurai Petroleum	USA - Gulf of Mexico	50%	Appraisal	Early 2020s	Oil discovery in the Wildling mini basin	Appraised field in 2018 with Samurai-2 and Samurai-2 sidetrack. Evaluating further appraisal and development plans

Multi-billion barrel equivalent risked potential; unrisked NPV of up to US\$15 billion*

Note: Petroleum exploration NPV: Unrisked values at BHP long-term price forecasts as presented in May 2018 at the Bank of America Merrill Lynch Global Metals, Mining & Steel Conference.

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