

# 2019 RESULTS

20 February 2020



# CAUTIONARY STATEMENT

**Disclaimer:** This presentation has been prepared by Anglo American plc (“Anglo American”) and comprises the written materials/slides for a presentation concerning Anglo American. By attending this presentation and/or reviewing the slides you agree to be bound by the following conditions. The release, presentation, publication or distribution of this document, in whole or in part, in certain jurisdictions may be restricted by law or regulation and persons into whose possession this document comes should inform themselves about, and observe, any such restrictions.

This presentation is for information purposes only and does not constitute an offer to sell or the solicitation, inducement or an offer to buy shares in Anglo American, Sirius Minerals or any other securities. Further, it does not constitute a recommendation by Anglo American or any other party to sell or buy shares in Anglo American or any other securities and should not be treated as giving investment, legal, accounting, regulatory, taxation or other advice.

No representation or warranty, either express or implied, is provided in relation to the accuracy, completeness or reliability of the information contained herein. None of Anglo American, Sirius Minerals or each of their affiliates, advisors or representatives shall have any liability whatsoever (in negligence or otherwise) for any loss howsoever arising from any use of this material or otherwise in connection with this material.

## Forward-looking statements

This presentation includes forward-looking statements. All statements other than statements of historical facts included in this presentation, including, without limitation, those regarding Anglo American’s financial position, business, acquisition and divestment strategy, dividend policy, plans and objectives of management for future operations (including development plans and objectives relating to Anglo American’s products, production forecasts and reserve and resource positions), are forward-looking statements. By their nature, such forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of Anglo American, Sirius Minerals or industry results, to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements.

Such forward-looking statements are based on numerous assumptions regarding Anglo American’s present and future business strategies and the environment in which Anglo American will operate in the future. Important factors that could cause Anglo American’s actual results, performance or achievements to differ materially from those in the forward-looking statements include, among others, levels of actual production during any period, levels of global demand and commodity market prices, mineral resource exploration and development capabilities, recovery rates and other operational capabilities, the availability of mining and processing equipment, the ability to produce and transport products profitably, the availability of transport infrastructure, the impact of foreign currency exchange rates on market prices and operating costs, the availability of sufficient credit, the effects of inflation, political uncertainty and economic conditions in relevant areas of the world, the actions of competitors, activities by governmental authorities such as permitting and changes in taxation or safety, health, environmental or other types of regulation in the countries where Anglo American operates, conflicts over land and resource ownership rights and such other risk factors identified in Anglo American’s most recent Annual Report. Forward-looking statements should, therefore, be construed in light of such risk factors and undue reliance should not be placed on forward-looking statements. These forward-looking statements speak only as of the date of this presentation. Anglo American expressly disclaims any obligation or undertaking (except as required by applicable law, the City Code on Takeovers and Mergers (the “Takeover Code”), the UK Listing Rules, the Disclosure and Transparency Rules of the Financial Conduct Authority, the Listings Requirements of the securities exchange of the JSE Limited in South Africa, the SIX Swiss Exchange, the Botswana Stock Exchange and the Namibian Stock Exchange and any other applicable regulations) to release publicly any updates or revisions to any forward-looking statement contained herein to reflect any change in Anglo American’s expectations with regard thereto or any change in events, conditions or circumstances on which any such statement is based.

Nothing in this presentation should be interpreted to mean that future earnings per share of Anglo American will necessarily match or exceed its historical published earnings per share.

Certain statistical and other information about Anglo American included in this presentation is sourced from publicly available third party sources. As such it has not been independently verified and presents the views of those third parties, but may not necessarily correspond to the views held by Anglo American and Anglo American expressly disclaims any responsibility for, or liability in respect of, such information. The information contained in this presentation relating to Sirius Minerals is derived from publicly available information only.

## Group terminology

In this presentation, references to “Anglo American”, the “Anglo American Group”, the “Group”, “we”, “us”, and “our” are to refer to either Anglo American plc and its subsidiaries and/or those who work for them generally, or where it is not necessary to refer to a particular entity, entities or persons. The use of those generic terms herein is for convenience only, and is in no way indicative of how the Anglo American Group or any entity within it is structured, managed or controlled. Anglo American subsidiaries, and their management, are responsible for their own day-to-day operations, including but not limited to securing and maintaining all relevant licences and permits, operational adaptation and implementation of Group policies, management, training and any applicable local grievance mechanisms. Anglo American produces group-wide policies and procedures to ensure best uniform practices and standardisation across the Anglo American Group but is not responsible for the day to day implementation of such policies. Such policies and procedures constitute prescribed minimum standards only. Group operating subsidiaries are responsible for adapting those policies and procedures to reflect local conditions where appropriate, and for implementation, oversight and monitoring within their specific businesses.

## No Investment Advice

This presentation has been prepared without reference to your particular investment objectives, financial situation, taxation position and particular needs. It is important that you view this presentation in its entirety. If you are in any doubt in relation to these matters, you should consult your stockbroker, bank manager, solicitor, accountant, taxation adviser or other independent financial adviser (where applicable, as authorised under the Financial Services and Markets Act 2000 in the UK, or in South Africa, under the Financial Advisory and Intermediary Services Act 37 of 2002).

## Alternative Performance Measures

Throughout this presentation a range of financial and non-financial measures are used to assess our performance, including a number of financial measures that are not defined or specified under IFRS (International Financial Reporting Standards), which are termed ‘Alternative Performance Measures’ (APMs). Management uses these measures to monitor the Group’s financial performance alongside IFRS measures to improve the comparability of information between reporting periods and business units. These APMs should be considered in addition to, and not as a substitute for, or as superior to, measures of financial performance, financial position or cash flows reported in accordance with IFRS. APMs are not uniformly defined by all companies, including those in the Group’s industry. Accordingly, it may not be comparable with similarly titled measures and disclosures by other companies.

# 2019 RESULTS AGENDA

**Our Transformation Journey**

Mark Cutifani

**Financials**

Stephen Pearce

**Disciplined growth**

Mark Cutifani

**Positioned for the future**

Mark Cutifani

# FOCUS ON DELIVERY

---

**Effectiveness**

**Efficiency**

**Sustainability**

**Margins drive Cash Flow**

**\$3.4bn FCF<sup>1</sup>**

**Capital Discipline**

**19% ROCE<sup>2</sup>**

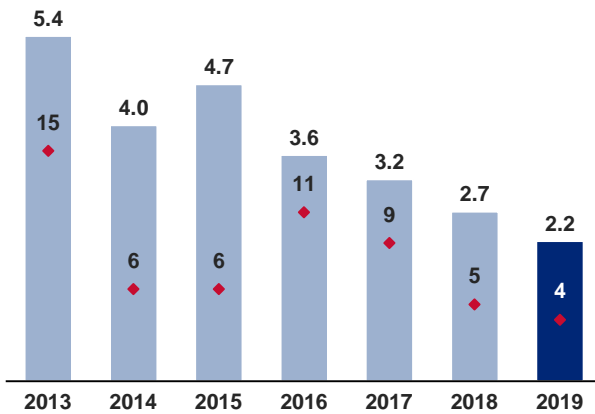
**Quality Assets**

**ESG & balance sheet**

# CONTINUED IMPROVEMENT

## Safety

■ Group TRCFR<sup>3,4</sup> ◆ Fatalities<sup>3</sup>

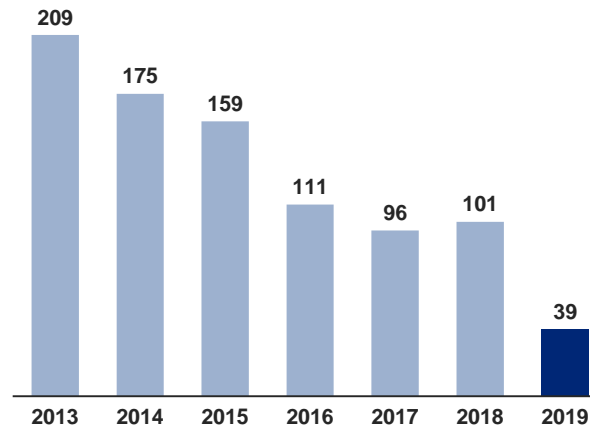


**Elimination of Fatalities Taskforce**  
...transformation continues.

**Best ever safety performance metrics**  
...but with more to do.

## Health

Occupational health – new cases<sup>3,5</sup>

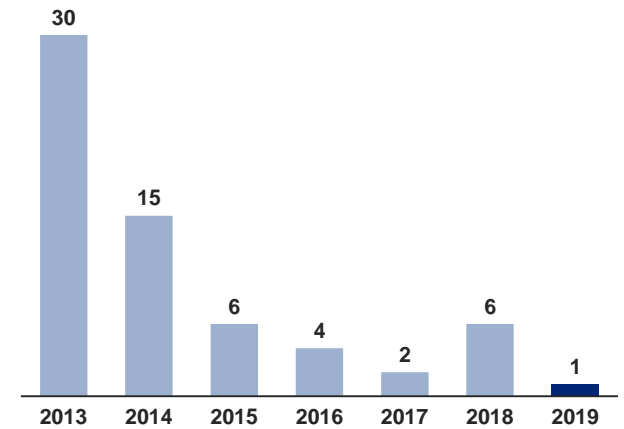


**Elimination of hazards at source**  
...the key focus for sustainable improvement.

**Best ever health results**  
...upgraded work environments & controls.

## Environment

Significant incidents<sup>3,6</sup>



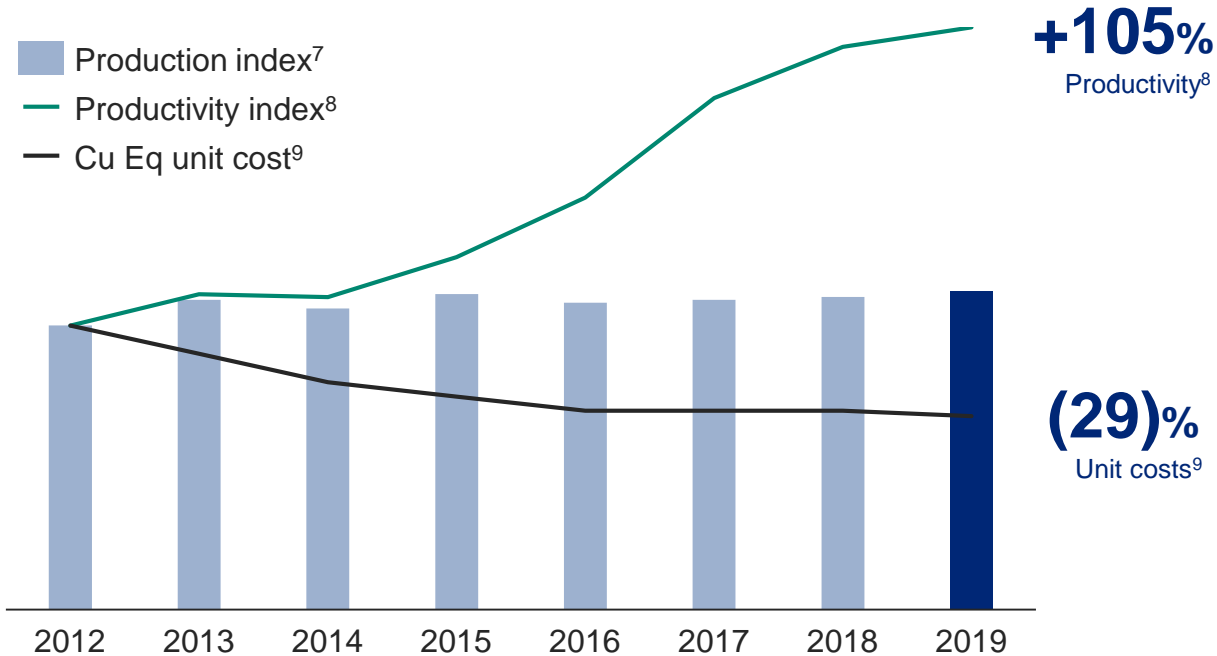
**Upgraded planning and awareness**  
...supports control improvements.

**Environmental factors integrated in asset plans**  
...connects to more effective social engagement.

# A TRANSFORMED BUSINESS...

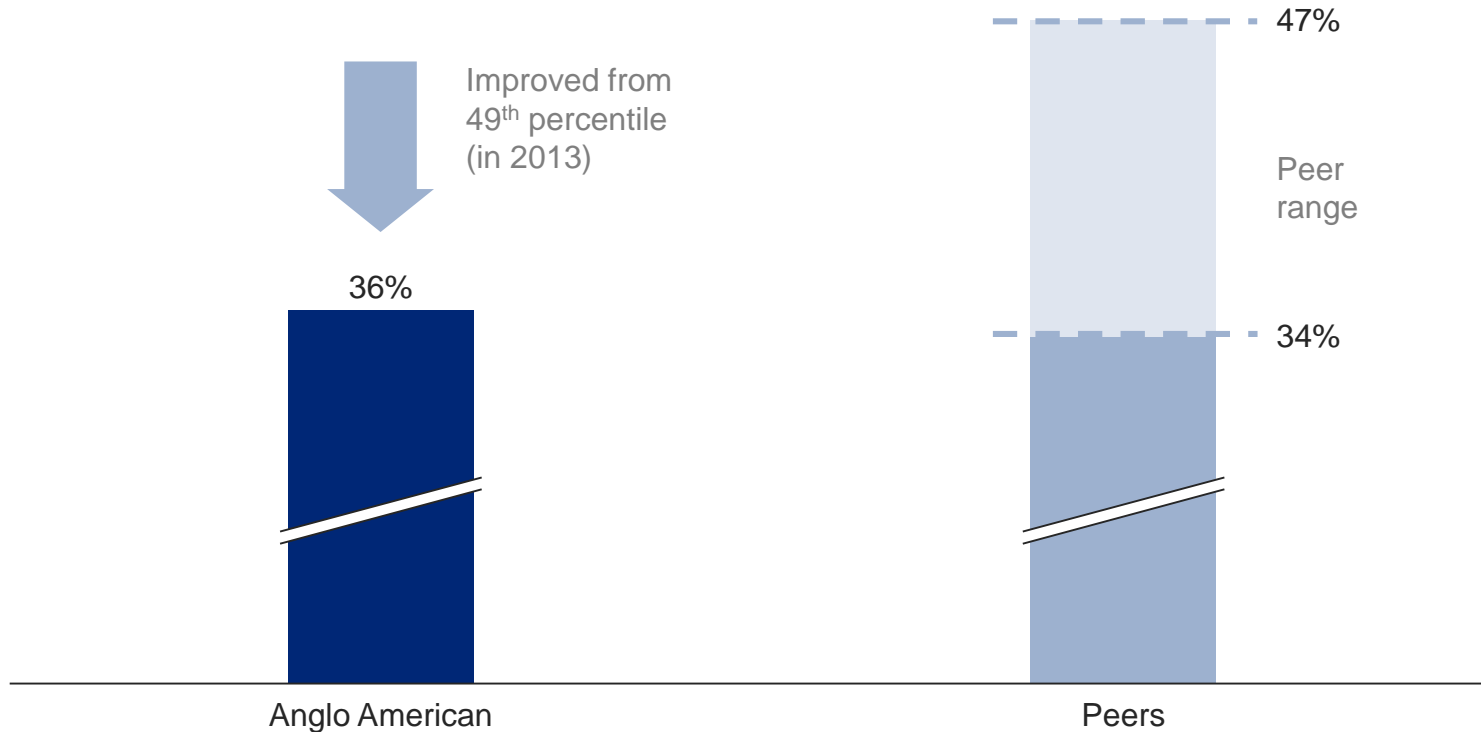
Portfolio restructuring

Operating model and technical improvements



# ...WITH AN IMPROVED COMPETITIVE POSITION

Average quality adjusted cost curve position<sup>10</sup>



# DELIVERING MARGIN IMPROVEMENT

Mining EBITDA margin<sup>11</sup>



# FINANCIALS

Stephen Pearce



# 2019 RESULTS

---

EBITDA<sup>12</sup>

---

**\$10.0bn**

Underlying EPS<sup>13</sup>

---

**\$2.75/sh**

Capital expenditure<sup>14</sup>

---

**\$3.8bn**

Unit cost<sup>9</sup>

---

 **6%**

Dividends

---

**\$1.09/sh**

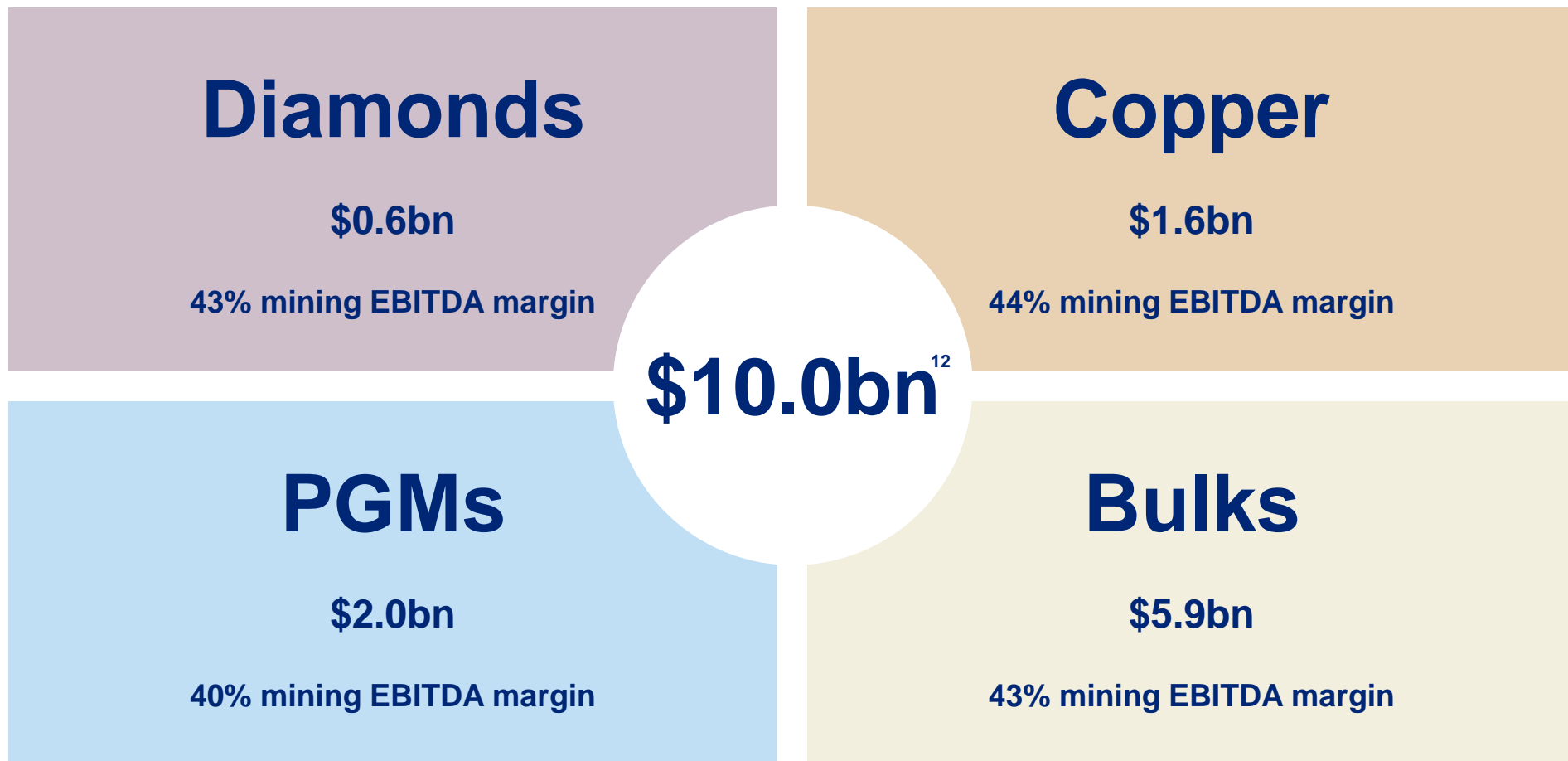
Free cash flow<sup>1</sup>

---

**\$3.4bn**

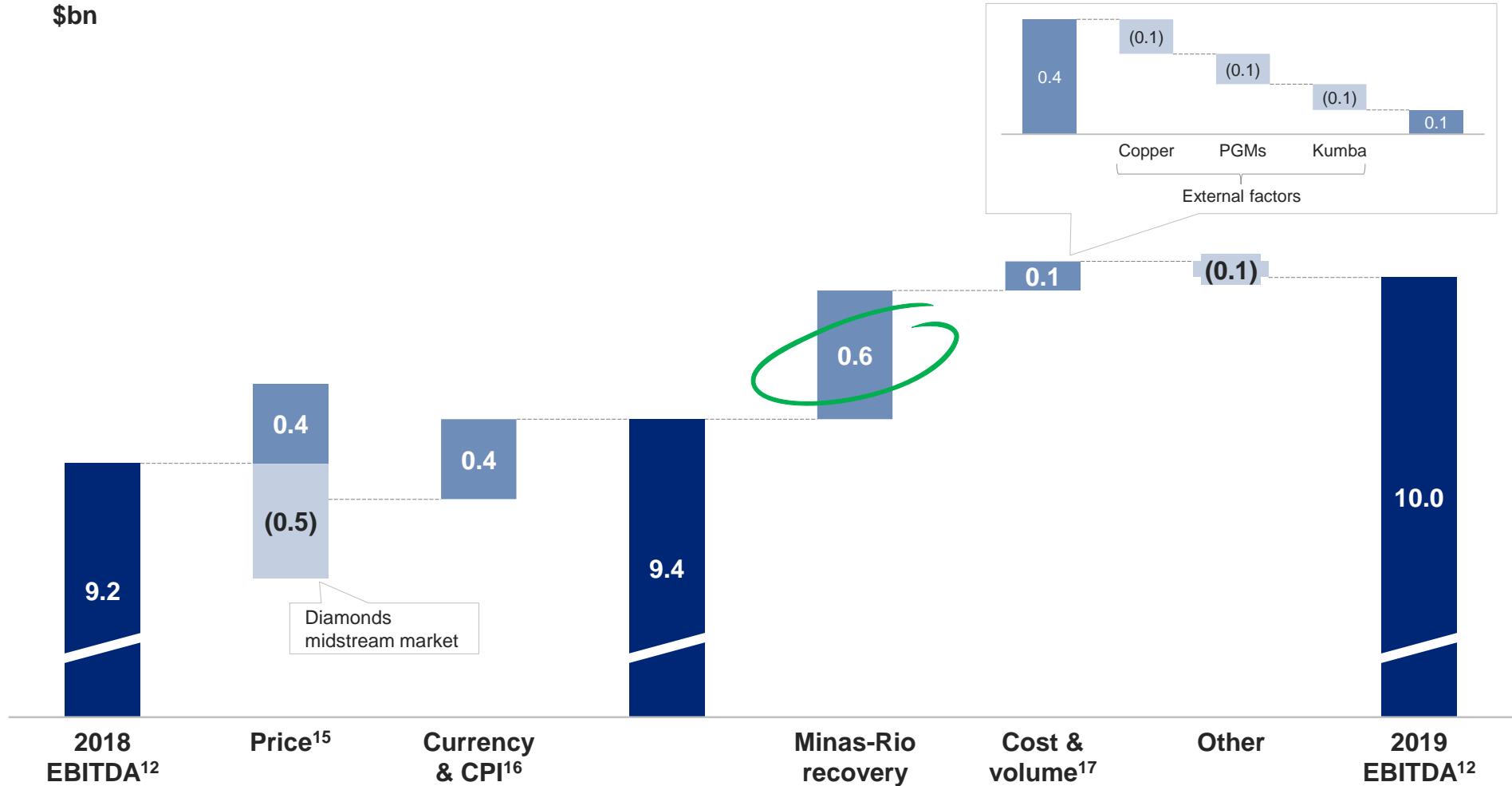
# EBITDA DRIVEN BY STRONG MARGINS

---



# MINAS-RIO DRIVES EBITDA IMPROVEMENT

\$bn



# MAINTAINED BALANCE SHEET STRENGTH

## Net debt (\$bn)



## Net debt : EBITDA<sup>12</sup>

**<0.5x**

## Gearing<sup>18</sup>

**13%**

# ATTRACTIVE SHAREHOLDER RETURNS

---

## Dividends

**\$1.4bn**

\$3.9bn ordinary dividends  
since 2017

## Buyback

**\$0.8bn**

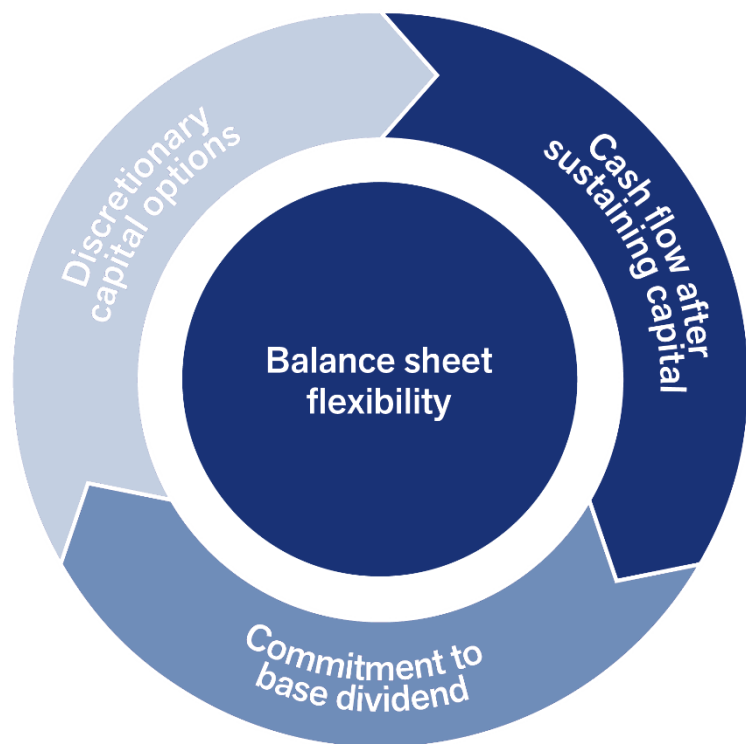
of up to \$1bn by March  
2020

## Payout policy

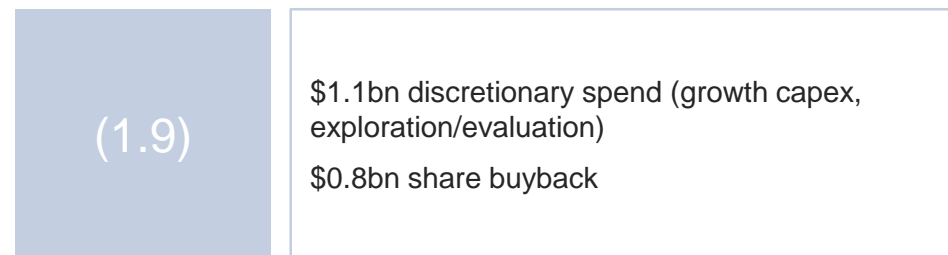
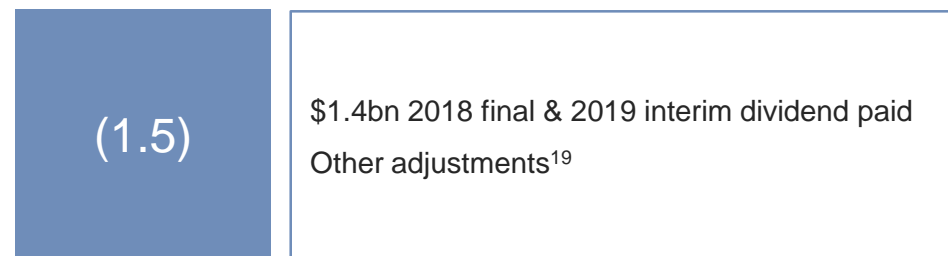
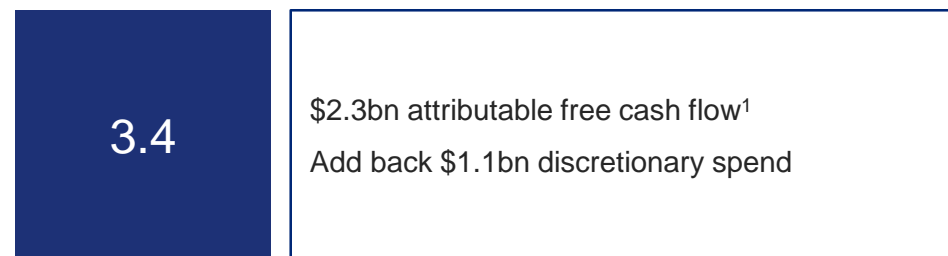
**40%**

of underlying earnings  
every 6 months

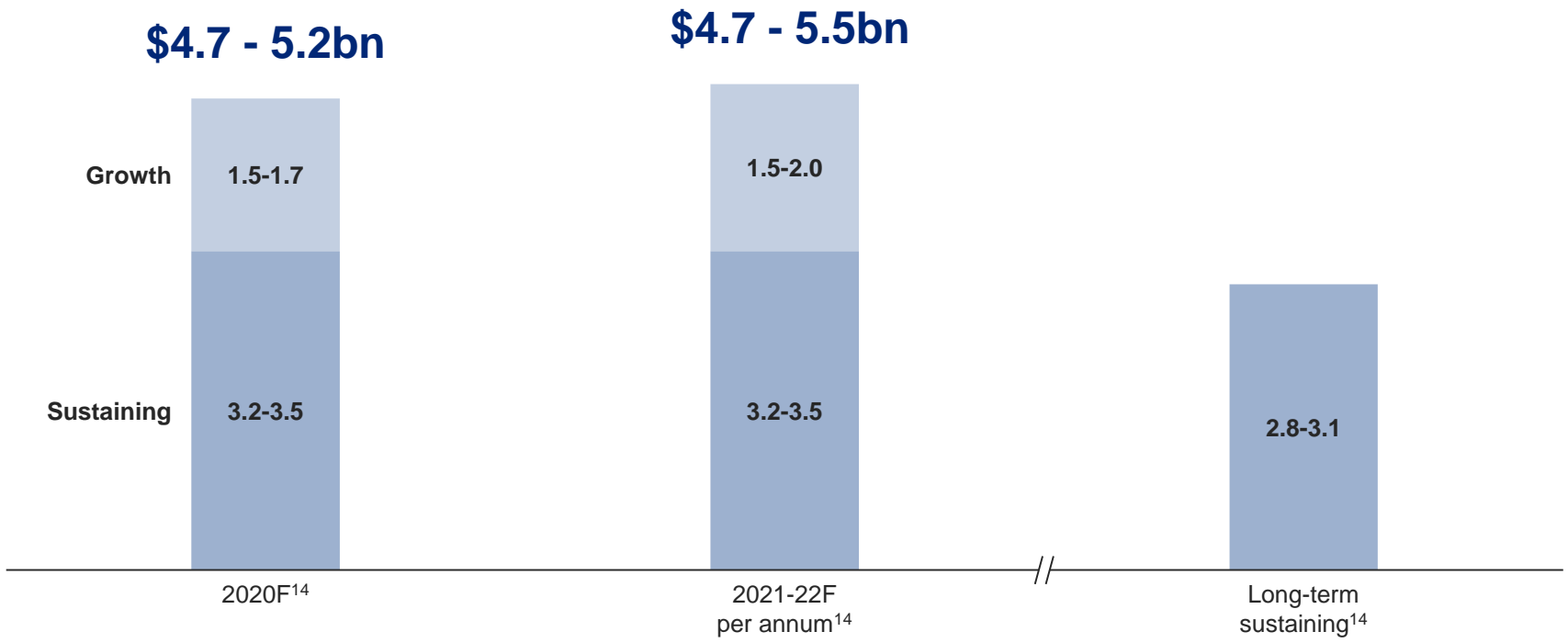
# BALANCED CAPITAL ALLOCATION FRAMEWORK



## Discretionary capital options



# HIGH-RETURNING GROWTH DRIVES NEAR-TERM CAPEX



Excludes Mitsubishi share of Quellaveco capex<sup>14</sup> which is:

~\$0.6bn

~\$0.4bn pa

Excludes Sirius Minerals

# TARGETING \$3-4BN COST & VOLUME IMPROVEMENT



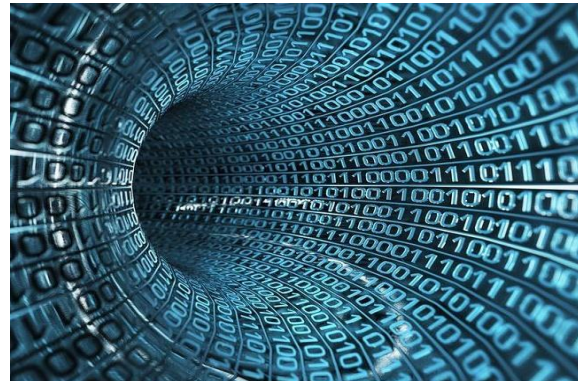
## Operating Model and P101

Met Coal longwalls

Minas-Rio

Target: ~\$1.5bn

Achieved: \$0.5bn<sup>17</sup>



## Technology and Digitalisation

Bulk ore sorting

Coarse particle recovery

Target: up to ~\$1.0bn

2021-2022



## Project Delivery

Quellaveco (Copper)

Moranbah-Grosvenor (Met Coal)

Target: up to ~\$1.5bn

2021-2022

2020 target \$0.4bn

# BALANCED & DISCIPLINED APPROACH

---

Attractive growth

**~20-25%**

Cu Eq production – by 2023<sup>7</sup>

Strong margin

**~45-50%**

Mining EBITDA margin<sup>11</sup>

Resilient balance sheet

**<1.5x**

Bottom of the cycle net debt:EBITDA<sup>12</sup>

# DISCIPLINED GROWTH

Mark Cutifani



# PROJECTS ON TIME AND BUDGET

## Quellaveco (Copper)



2020 capex (100%)

**~\$1.5bn to ~\$1.7bn**

Our share<sup>14</sup>: ~\$0.9bn to ~\$1.0bn

Plant earthworks complete, concrete progressing well, first steel and equipment installed

## Marine Namibia (Diamonds)



2020 capex<sup>14</sup>

**~\$0.1bn**

High value diamonds

Construction under way

## Aquila (Met Coal)



2020 capex<sup>14</sup>

**~\$0.1bn**

High quality met coal

Construction under way

# SIRIUS MINERALS: A COMPELLING FIT AND OPPORTUNITY

---

## Clear Strategic Fit

### Potential Tier 1 asset

Long life, low cost, scaleable, minimal processing

### Leveraging our capabilities

Operating excellence, technology & global marketing expertise

## Competitive Product

### Multi-nutrient, low-chloride

POLY4 contains established nutrients, suited to population growth

### Low cost to market

Dedicated infrastructure, favourable geography

## Well Progressed Project

### Attractive returns

\$1.1bn invested, key permits in place, potential for >50% EBITDA margins

### Sustainable

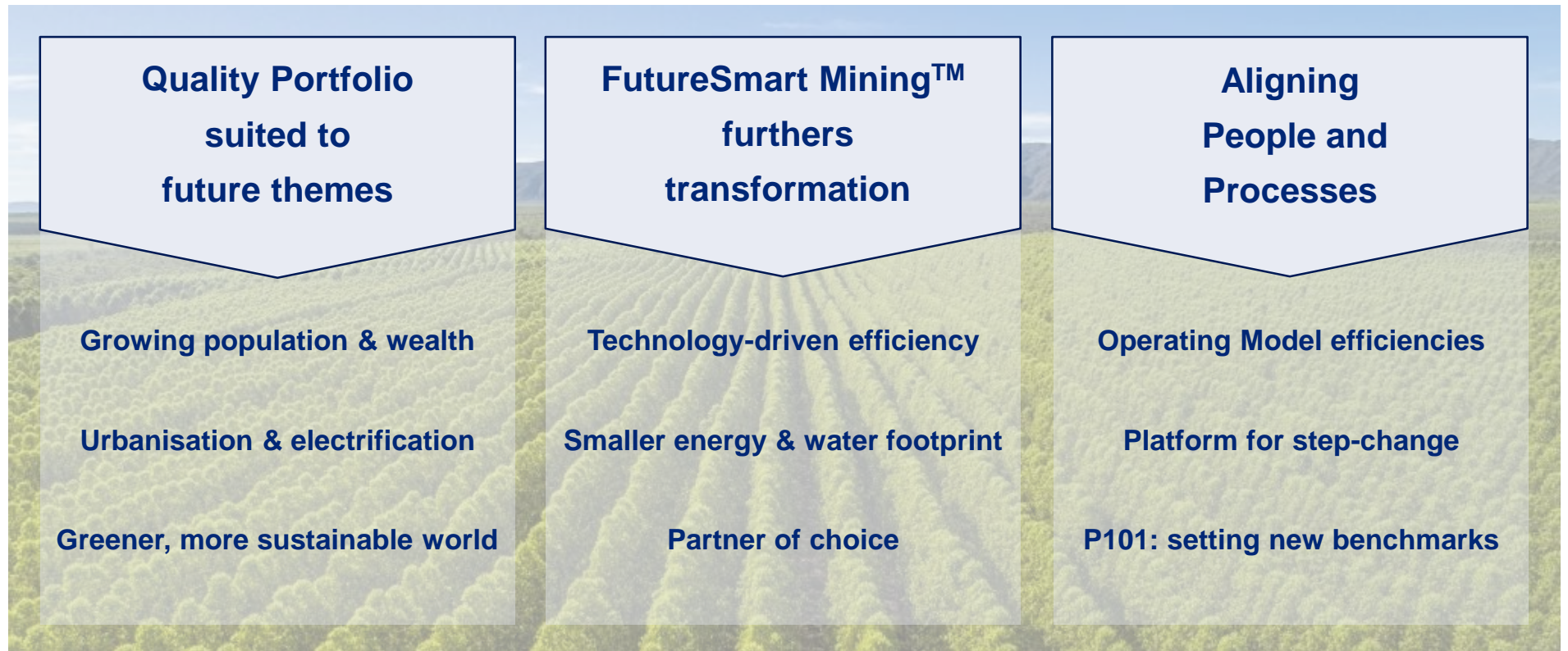
Low carbon, chemical-free, certified for organic use

# POSITIONED FOR THE FUTURE

Mark Cutifani



# POSITIONING OURSELVES FOR THE FUTURE



# ASSET QUALITY DRIVEN PORTFOLIO

---



**Diamonds**

World leader



**Copper**

World class growth



**PGMs**

World leader



**Bulks**

High quality niche

# INVESTMENT PROPOSITION

**Competitive**

**Differentiated**

**Sustainable**

**Assets**

**Capabilities**

**Returns**

*“Leading capabilities actively improving a competitive, world-class asset base to drive sustainable, attractive returns”*

# Q&A



**Copper: renewables-driven electrification**



**PGMs: air quality & lower emissions**



**Diamonds: aspiration & growing prosperity**



**Quality bulks: modern infrastructure development**

**...ARE PRODUCTS THAT IMPROVE PEOPLE'S LIVES**

# FOOTNOTES

All metrics in presentation shown on an underlying basis.

1. 'Cash flow after sustaining capital' comprises attributable free cash flow excluding discretionary capex and exploration / evaluation expenditure. Attributable free cash flow is defined as net cash inflows from operating activities net of capital expenditure, net interest paid, dividends paid to minorities and capital repayment of lease obligations.
2. Attributable ROCE is defined as attributable underlying EBIT divided by average attributable capital employed. It excludes the portion of the return and capital employed attributable to non-controlling interests in operations where the Group has control but does not hold 100% of the equity.
3. Recordable incidents. Data relates to subsidiaries and joint operations over which Anglo American has management control. Since 2018 data for fatalities, TRCFR and environmental metrics excludes results from De Beers' joint venture operations in Namibia and Botswana. Prior years' data includes 100% of De Beers' joint venture operations in Namibia and Botswana.
4. Total Recordable Cases Frequency Rate per million hours.
5. New cases of occupational disease.
6. Environmental incidents are classified in terms of a 5-level severity rating. Incidents with medium, high and major impacts, as defined by standard internal definitions, are reported as level 3-5 incidents.
7. Copper equivalent production is calculated using long-term consensus parameters. Excludes domestic / cost-plus production. Includes assets sold, closed or placed on care and maintenance.
8. Productivity is calculated as copper equivalent production divided by the average direct headcount from consolidated mining operations.
9. Copper equivalent unit costs are shown on nominal terms and calculated as the total USD cost base divided by copper equivalent production.
10. Estimate based on data available at H1 2019. Source: Wood Mackenzie; AAP; De Beers; CRU. Includes non-AA mined commodities (e.g., zinc, bauxite). Excludes non-mining activities (e.g. petroleum, alumina/aluminium processing, marketing). Incorporates 2014 data for diamonds.
11. Margin represents the Group's underlying EBITDA margin for the mining business. It excludes the impact of non-mining activities (eg PGMs purchases of concentrate, sale of non-equity product by De Beers, 3<sup>rd</sup>-party trading activities performed by Marketing) & at Group level reflects Debswana accounting treatment as a 50/50 JV.
12. Underlying EBITDA is operating profit before special items and remeasurements adjusted to include the Group's attributable share of associates' and joint ventures' operating profit and exclude depreciation and amortisation. On slide 11, corporate and other contribution to the Group EBITDA presented is not shown.
13. Underlying EPS is underlying earnings divided by shares in issue. Underlying earnings is profit attributable to equity shareholders of the Company, before special items and remeasurements (therefore presented after net finance costs, income tax expense and non-controlling interests).
14. Cash expenditure on property, plant and equipment including related derivatives, net of proceeds from disposal of property, plant and equipment and includes direct funding for capital expenditure from non-controlling interests and reimbursement of capital expenditure. Shown excluding capitalised operating cash flows. Consequently, for Quellaveco, reflects attributable share of capex, net of syndication proceeds, see appendix, slide 38. Capex guidance is subject to progress of growth project studies.
15. Price variance calculated as increase/(decrease) in price multiplied by current period sales volume. Excludes De Beers' price variance which is included in diamonds midstream market (which also incorporates volume variance).
16. Inflation variance calculated using CPI on prior period cash operating costs that have been impacted directly by inflation.
17. Cost plus volume. Volume: increase/(decrease) in sales volumes multiplied by prior period EBITDA margin (ie flat unit costs, before CPI). For assets with no prior period comparative (eg in ramp up) all EBITDA is included in the volume variance. Excludes De Beers' volume variance which is included in diamonds midstream market. Cost: change in total USD costs, again, before CPI inflation. 2019 cost and volume relating to recovery of Minas-Rio to 2017 levels are excluded and shown separately.
18. Net debt / (net assets + net debt).
19. Other items includes translation differences and employee share scheme purchases.

# APPENDIX



# 2019 SIMPLIFIED EARNINGS BY BU

\$m (unless stated)	De Beers (Diamonds)	Copper	PGMs	Kumba (Iron Ore)	Minas-Rio	Met Coal	Thermal Coal	Nickel	Other <sup>1</sup>	Total
<b>Sales volume</b> (mined share)	30.8Mct <sup>2</sup>	644kt	1,402koz Pt <sup>3</sup>	42.0Mt	22.9Mt	22.4Mt <sup>4</sup>	26.9Mt <sup>5</sup>	41.7kt		
Benchmark price	n/a	\$5,997/t <sup>6</sup>	n/a	\$93/t <sup>7</sup>	\$104/t <sup>8</sup>	\$167/t <sup>9</sup>	\$66/t <sup>10</sup>	\$13,933/t <sup>6</sup>		
Product premium/discount per unit	n/a	n/a	n/a	\$18/t <sup>11</sup>	\$1/t <sup>12</sup>	\$(5)/t <sup>13</sup>	\$(7)/t <sup>14</sup>	\$(176)/t		
Freight/moisture/provisional pricing per unit	n/a	\$22/t <sup>15</sup>	n/a	\$(14)/t <sup>16</sup>	\$(26)/t <sup>17</sup>	n/a	n/a	n/a		
<b>Realised FOB Price</b>	<b>\$132/ct<sup>18</sup></b>	<b>\$6,019/t</b>	<b>\$2,994/oz<sup>19</sup></b>	<b>\$97/t</b>	<b>\$79/t</b>	<b>\$162/t<sup>20</sup></b>	<b>\$59/t<sup>21</sup></b>	<b>\$13,757/t</b>		
FOB/C1 unit cost	\$63/ct	\$2,778/t	\$1,543/oz	\$33/t	\$21/t	\$63/t	\$41/t <sup>21</sup>	\$8,378/t		
Royalties per unit	\$4/ct	-	\$103/oz	\$4/t	\$3/t	\$18/t	\$3/t	\$86/t		
Other costs per unit <sup>22</sup>	\$29/ct <sup>23</sup>	\$727/t <sup>24</sup>	\$150/oz	\$6/t	\$4/t	\$5/t	\$11/t	\$713/t		
<b>FOB Margin per unit</b>	<b>\$36/ct</b>	<b>\$2,514/t</b>	<b>\$1,198/oz</b>	<b>\$53/t</b>	<b>\$51/t</b>	<b>\$76/t</b>	<b>\$4/t</b>	<b>\$4,580/t</b>		
<b>Mining EBITDA</b>	<b>425</b>	<b>1,618</b>	<b>1,679</b>	<b>2,243</b>	<b>1,164</b>	<b>1,707</b>	<b>106</b>	<b>191</b>	<b>400</b>	<b>9,533</b>
<b>Processing &amp; trading<sup>25</sup></b>	<b>133</b>	<b>-</b>	<b>321</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>19<sup>26</sup></b>	<b>-</b>	<b>-</b>	<b>473</b>
<b>Total EBITDA</b>	<b>558</b>	<b>1,618</b>	<b>2,000</b>	<b>2,243</b>	<b>1,164</b>	<b>1,707</b>	<b>125</b>	<b>191</b>	<b>400</b>	<b>10,006</b>
<i>Attributable share</i>	~85%	~77%	~79%	~52%	100%	100%	100%	100%	100%	~80%

See next slide for footnotes and supporting calculations.

# 2019 SIMPLIFIED EARNINGS BY BU - NOTES

PGMs basket price				Iron ore realised price			Coal blended prices & unit costs			
Own mined PGMs basket	Price	Volume	Revenue		Kumba	Minas-Rio	Coal weighted average market prices & unit cost	Unit cost	Price	Volume
Platinum	\$862/oz	1,402koz	\$1,208m	Market price	\$93/t <sup>7</sup>	\$104/t <sup>8</sup>	HCC		\$177/t	19.1Mt
Palladium	\$1,525/oz	1,092koz	\$1,666m	Freight	\$(14)/t	\$(18)/t	PCI		\$110/t	3.3Mt
Rhodium	\$3,892/oz	180koz	\$699m	Moisture content		\$(10)/t	<b>Weighted ave. metallurgical coal<sup>9</sup></b>	<b>\$63/t</b>	<b>\$167/t</b>	<b>22.4Mt</b>
Nickel	\$14,170/t	15.3kt	\$217m	Lump premium	\$12/t		Thermal FOB South Africa	\$45/t	\$72/t	18.1Mt
Other <sup>27</sup>			\$406m	Fe premium	\$3/t	\$1/t	Thermal FOB Colombia	\$33/t	\$54/t	8.8Mt
Total revenue			\$4,197m	Product premium	\$2/t	\$1/t	<b>Weighted ave. thermal coal<sup>10</sup></b>	<b>\$41/t</b>	<b>\$66/t</b>	<b>26.9Mt</b>
Platinum volume		1,402koz		Timing	\$1/t	\$1/t				
<b>Basket price (per platinum oz)<sup>19</sup></b>			<b>\$2,994/oz</b>	<b>Realised FOB price</b>	<b>\$97/t</b>	<b>\$79/t</b>				

1. Samancor (\$443m), exploration (\$(126)m) and central corporate activities (\$83m).
2. Proportionate share of sales volumes (19.2% Botswana, 50% Namibia): 11.8Mct.
3. Own mined sales volumes including proportionate share of JV volumes.
4. Excludes thermal coal sales.
5. Thermal Coal - South Africa and Cerrejón. Export sales and domestic sales at export parity pricing.
6. LME price, c/lb converted to \$/tonne (2,204.62 lbs/tonne).
7. Platts 62% Fe CFR China.
8. MB 66% Fe concentrate CFR.
9. Weighted average of HCC/PCI prices, FOB Aus.
10. Weighted average FOB SA, FOB Col.
11. 64.2% Fe content, ~67% of volume attracting lump premium.
12. 67% Fe content, pellet feed.
13. Volumes ~85% HCC averaging 97% realisation of quoted low vol HCC price.
14. Total average ~90% realisation of quoted price.
15. Provisional pricing and timing differences on sales.

16. Freight partly offset by provisional pricing & other adjustments.
17. Freight & ~9% moisture adjustment (converts dry benchmark to wet product) partly offset by provisional pricing & other adjustments.
18. The realised price for proportionate share (19.2% Debswana, 50% Namibia) excluding the 3% trading margin achieved in 2019.
19. Price for basket of goods per platinum oz.
20. Adjusted to include Jellinbah.
21. Weighted average Thermal Coal – South Africa and Cerrejón.
22. Includes market development & strategic projects, exploration & evaluation costs, restoration & rehabilitation costs and other corporate costs.
23. Other costs weighted towards H2. H1 2019: \$9/ct.
24. Includes costs related to Quellaveco.
25. Processing and trading of product purchased from third parties and Isibonelo domestic thermal coal mine.
26. Trading profits and Isibonelo domestic operation.
27. Iridium, ruthenium, gold, copper, chrome and other metals.

# GUIDANCE SUMMARY

Earnings	Capex <sup>1</sup>	Other
<p><b>Volumes:</b> See slide 32</p> <p><b>Unit costs:</b> See slide 33</p> <p><b>2020 depreciation:</b> ~\$3bn</p> <p><b>2020 effective tax rate:</b> 31-33%<sup>2</sup></p> <p><b>Effective tax rate going forward:</b> 30-33%</p> <p><b>Dividend pay-out ratio:</b> 40%</p>	<p><b>2020</b>                    <b>\$4.7-5.2bn</b></p> <p>- Growth                \$1.5-1.7bn</p> <p>- Sustaining            \$3.2-3.5bn</p> <p><b>2021-2022</b>           <b>\$4.7-5.5bn</b></p> <p>- Growth                \$1.5-2.0bn</p> <p>- Sustaining            \$3.2-3.5bn</p> <p><b>Long-term sustaining</b>    \$2.8-3.1bn</p>	<p><b>Quellaveco copper project</b></p> <p>- Our share of capex included in capex guidance</p> <p>- Mitsubishi share of capex increase to net debt (slide 38)</p> <p><b>Net debt:EBITDA:</b> &lt;1.5x bottom cycle</p>

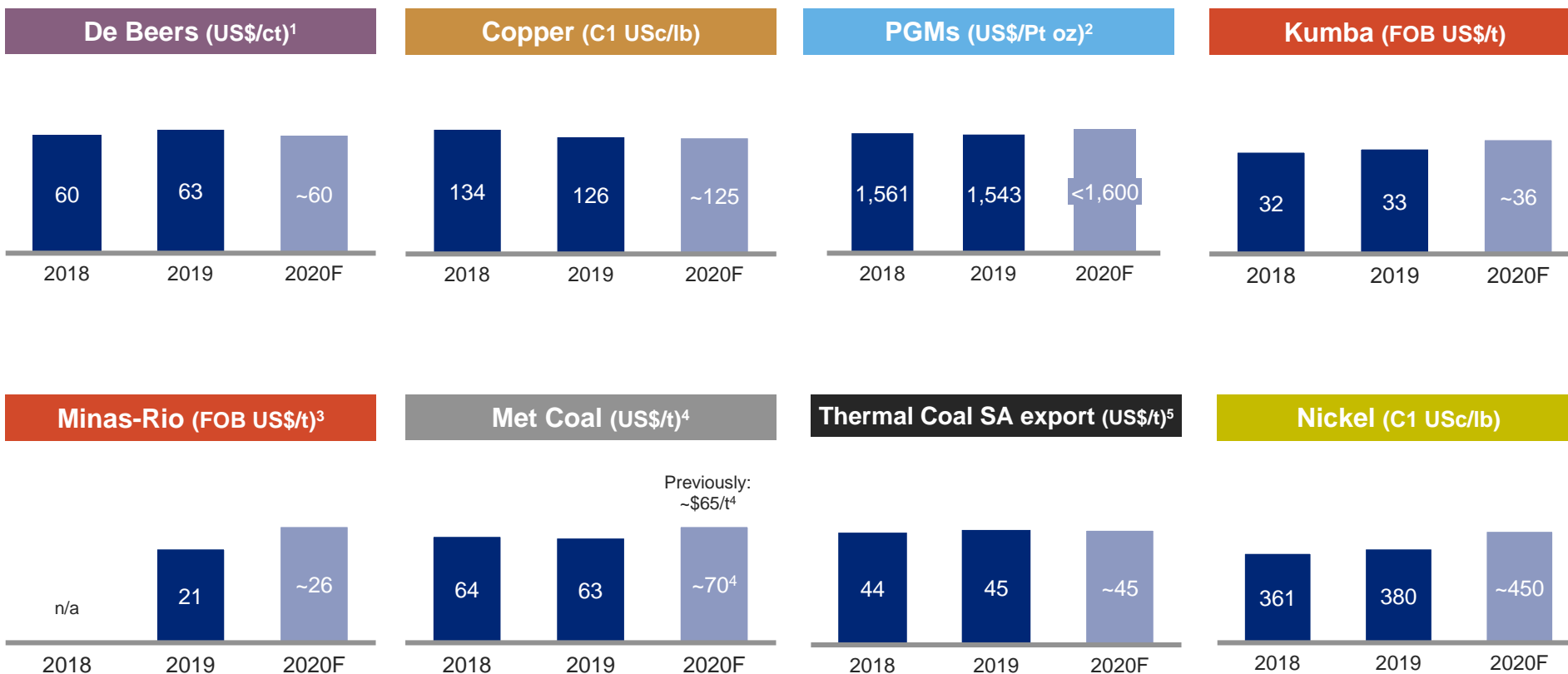
1. Cash expenditure on property, plant and equipment including related derivatives, net of proceeds from disposal of property, plant and equipment and includes direct funding for capital expenditure from non-controlling interests and reimbursement of capital expenditure. Shown excluding capitalised operating cash flows. Consequently, for Quellaveco, reflects attributable share of capex, net of syndication proceeds, see appendix, slide 38. Capex guidance is subject to progress of growth project studies.
2. ETR may vary through year, and H1 2020 may not be in line with full year rate.

# PRODUCTION OUTLOOK

	Units	2018	2019	2020F	2021F	2022F
<b>Diamonds<sup>1</sup></b>	Mct	35	31	32-34	34-36	33-35
<b>Copper<sup>2</sup></b>	kt	668	638	620-670	620-680	Chile: 600-660 Peru: 100-150
<b>Platinum<sup>3</sup></b>	Moz	2.5	2.1 <sup>4</sup>	2.0-2.2 <sup>4</sup>	2.0-2.2 <sup>4</sup>	2.0-2.2 <sup>4</sup>
<b>Palladium<sup>3</sup></b>	Moz	1.6	1.4 <sup>4</sup>	~1.4 <sup>4</sup>	~1.4 <sup>4</sup>	1.4-1.5 <sup>4</sup>
<b>Iron ore (Minas-Rio)<sup>5</sup></b>	Mt	3	23	22-24	24-26	23-25
<b>Iron ore (Kumba)<sup>6</sup></b>	Mt	43	42	41.5-42.5 <i>Previously: 42-43</i>	42-43	42-43
<b>Metallurgical coal<sup>7</sup></b>	Mt	22	23	19-21 <sup>7</sup> <i>Previously: 21-23</i>	22-24	25-27
<b>Thermal coal<sup>8</sup></b>	Mt	29	26	~26	~26	~26
<b>Nickel<sup>9</sup></b>	kt	42	43	42-44	42-44	~50 <sup>9</sup>

1. On a 100% basis except for the Gahcho Kué joint venture, which is on an attributable 51% basis. Production is subject to trading conditions. Reduction in 2022 as Venetia completes transition to underground operations.
2. Copper business unit only. On a contained-metal basis.
3. Produced ounces. Includes production from joint operations, associates and third-parties. 2020-22: Platinum ~65% own mined production, palladium ~75% own mined production.
4. Decline from 2018 due to Rustenburg POC, which, from 1 January 2019, is processed under a tolling arrangement and therefore excluded from production guidance.
5. Wet basis.
6. Dry basis. Subject to rail and port performance.
7. Excludes thermal coal production. Decrease to previous 2020 guidance due to roof collapse at Moranbah North on 30 January 2020.
8. Export South Africa and Colombia production. Decrease in 2019 as South African operations transition into new areas, and due to lower Cerrejón production 2019-2021.
9. Nickel business unit only. 2022 volumes dependent on bulk ore sorting technology.

# UNIT COSTS PERFORMANCE BY BUSINESS UNIT



Note: Unit costs exclude royalties, depreciation and include direct support costs only. FX rates for 2020 costs: ~14.7 ZAR:USD, ~1.4 AUD:USD, ~4 BRL:USD, ~650 CLP:USD.

1. De Beers unit cost is based on De Beers' share of production. The increase in 2019 primarily due to lower equity production driven by the transition from open pit to underground at Venetia.

2. Numbers given are per platinum ounce.

3. Minas-Rio operations were suspended for the majority of 2018 following two leaks in the iron ore pipeline.

4. Metallurgical Coal FOB/t unit cost excludes royalties and study costs. Unit cost increase vs previous guidance due to roof collapse at Moranbah North on 30 January 2020.

5. Thermal Coal – SA FOB/t unit cost comprises trade mines only, excludes royalties.

# EARNINGS SENSITIVITIES

Sensitivity Analysis – 2019 <sup>1</sup>			Impact of 10% change in price / FX
Commodity / Currency	31 December spot	Average realised	EBITDA (\$m)
Copper (c/lb) <sup>2</sup>	279	273	378
Platinum (\$/oz)	971	861	140
Palladium (\$/oz)	1,920	1,518	185
Rhodium (\$/oz)	6,050	3,808	83
Iron Ore (\$/t)	92	Kumba: 97 IOB: 79 <sup>3</sup>	546
Hard Coking Coal (\$/t)	140	171	213
Thermal Coal (SA) (\$/t)	87	61	100
Nickel (c/lb) <sup>4</sup>	635	624	87
Oil price	66	64	49
South African rand	14.03	14.45	469
Australian dollar	1.43	1.44	207
Brazilian real	4.02	3.95	83
Chilean peso	752	703	67

1. Reflects change on actual results for 2019.
2. Includes copper from both the Copper and PGMs Business Units.
3. Wet basis.
4. Includes nickel from both the Nickel and PGMs Business Units.

# ATTRACTIVE GREENFIELD AND BROWNFIELD OPTIONS

## Long life greenfields and fast returning brownfields

		<i>Our share:</i>		<i>From:</i>			
<b>Quellaveco (Copper)</b>	<b>APPROVED</b>	\$2.5bn to \$2.7bn <sup>1</sup>	+180ktpa	2022	~4 year payback	>15% IRR	>50% margin
<b>Marine Namibia (Diamonds)</b>	<b>APPROVED</b>	~\$0.2bn	+0.5Mctpa	2022	~3 year payback	>25% IRR	>60% margin
<b>Moranbah-Grosvenor (Met Coal)</b>	<b>~2020</b>	\$0.3bn to \$0.4bn	+4-6Mtpa <sup>2</sup>	2021/22	~3-4 year payback	>30% IRR	>50% margin
<b>Collahuasi (Copper)</b>	<b>~2021</b>	\$0.9bn to \$1.1bn	+80ktpa	2024	~4 year payback	>20% IRR	>50% margin
<b>Mogalakwena expansion (PGMs)</b>		significant expansion potential – studies under way					
<b>Sishen &amp; Kolomela (Kumba)</b>		infrastructure dependent					
<b>Technology &amp; Innovation</b>	<b>ONGOING</b>	\$0.1bn to \$0.5bn pa		multiple options - rapid payback, low capex			

1. Attributable share post syndication proceeds.

2. Initial stage of upgrade work completed in 2019, increasing capacity by ~1Mtpa, remaining capacity increase 3-5Mtpa.

# LIFE EXTENSIONS WILL DELIVER VALUE; HIGHER NEAR-TERM SUSTAINING CAPEX

2020-22 sustaining capex<sup>1</sup>

**\$3.2-3.5bn pa**

driven by lifex

Long-term sustaining capex<sup>1</sup>

**~\$2.8-3.1bn**

for expanded portfolio

## Lifex projects – subject to disciplined capital allocation framework

Venetia Underground (Diamonds)	~\$0.2-0.4bn pa	5 Mctpa	from 2023	+22 years	>15% IRR	>50% margin
Aquila <sup>2</sup> (Met Coal)	~\$0.1bn pa	3.5 Mtpa	from 2022	+6 years	>30% IRR	>40% margin
Khwezela <sup>3</sup> (Thermal Coal)	~\$0.1bn pa	3 Mtpa	from 2019	+9 years	>40% IRR	>45% margin
Jwaneng (Diamonds)	~\$0.1bn pa	9 Mctpa	from 2027	+7 years	>15% IRR	>50% margin

1. Cash expenditure on property, plant and equipment including related derivatives, net of proceeds from disposal of property, plant and equipment and includes direct funding for capital expenditure from non-controlling interests and reimbursement of capital expenditure.
2. Lifex for Grasstree underground mine within Capcoal complex.
3. Khwezela lifex into Landau Navigation pit.

# QUELLAVECO FINANCIAL MODELLING

Ownership	Anglo American 60%, Mitsubishi 40%
Accounting treatment	Fully consolidated with a 40% minority interest Shareholder loans from minority shareholder to be consolidated in Anglo American Group net debt
Project capex (nominal)	\$5.0-5.3 billion (100% basis - Anglo American share 60%, Mitsubishi share 40%)
Construction time / first production	<4 years, from August 2018. First production in 2022
Production (copper equivalent) (ktpa)	~330 average over first five years ~300 average over first 10 years ~240 average over 30 year Reserve Life
By-products	~6ktpa contained molybdenum (average over first 10 years), with silver content
C1 cash cost (\$/lb) (2018 real)	0.96 average over first five years 1.05 average over first 10 years 1.24 average over 30 year Reserve Life
Grade (%TCu)	0.84% ROM average over first five years 0.73% ROM average over first 10 years 0.57% average over 30 year Reserve Life <sup>1</sup>
Stay-in-business capex (real)	~\$70 million pa
Tax rate	~40%

1. Please refer to the Anglo American plc Ore Reserves and Mineral Resources Report 2018 for more details.

# QUELLAVECO ACCOUNTING

Anglo American consolidates 100% of Quellaveco's P&L and Balance Sheet.

Mitsubishi's 40% share is shown as a non-controlling interest.

After the initial \$0.8bn equity injection by Mitsubishi, the project is now funded 60:40 through shareholder debt.

Group net debt by the end of the project is expected to include ~\$1.7bn debt from Mitsubishi (40% of shareholder debt); which is funded from their 40% of Quellaveco.

Illustrative project spend post approval (mid-point of capex range)					
\$bn	2018	2019	2020	2021-2022	Total
100% project capex	0.3	1.3	1.6	1.9	5.1
Less: subscription	(0.3)	(0.5)	-	-	(0.8)
<b>Net capex</b>	-	<b>0.8</b>	<b>1.6</b>	<b>1.9</b>	<b>4.3</b>
Our 60% share	-	0.5	1.0	1.1	2.6
Mitsubishi 40% share	-	0.3	0.6	0.8	1.7

Consolidated net debt (cash funded by Anglo and reported within **growth capex**).

Consolidated net debt (cash funded by Mitsubishi but reported within our **other net debt movements**).

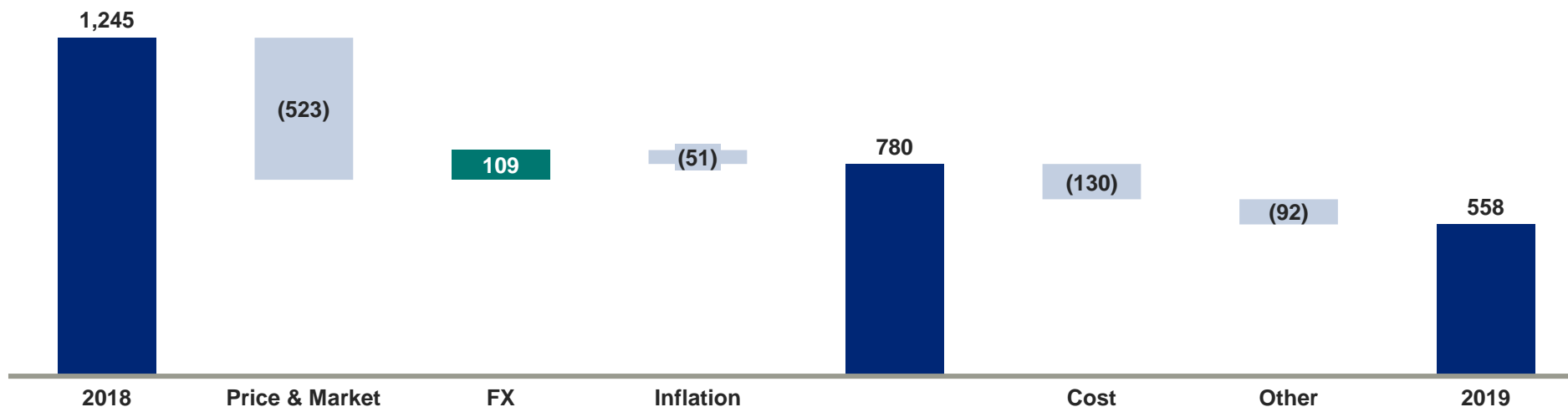
Reported in '**Other net debt movements**' in 2018 - representing cash received but not spent at 2018 year end.

Reverses with \$0.5bn outflow in 2019 '**Other net debt movements**' representing pre-funded capex.

# DIAMONDS – IMPACTED BY MIDSTREAM WEAKNESS

	Production <sup>1</sup>	Sales (Cons.) <sup>2</sup>	Average price index	Realised price <sup>3</sup>	Unit cost <sup>4</sup>	Underlying EBITDA	Mining margin <sup>5</sup>	Capex
<b>2019</b>	30.8Mct	29.2Mct	116	\$137/ct	\$63/ct	\$558m	43%	\$567m
<b>vs. 2018</b>	↓13%	↓8%	↓6%	↓20%	↑5%	↓55%	↓10pp	↑36%

## Underlying EBITDA (\$m)

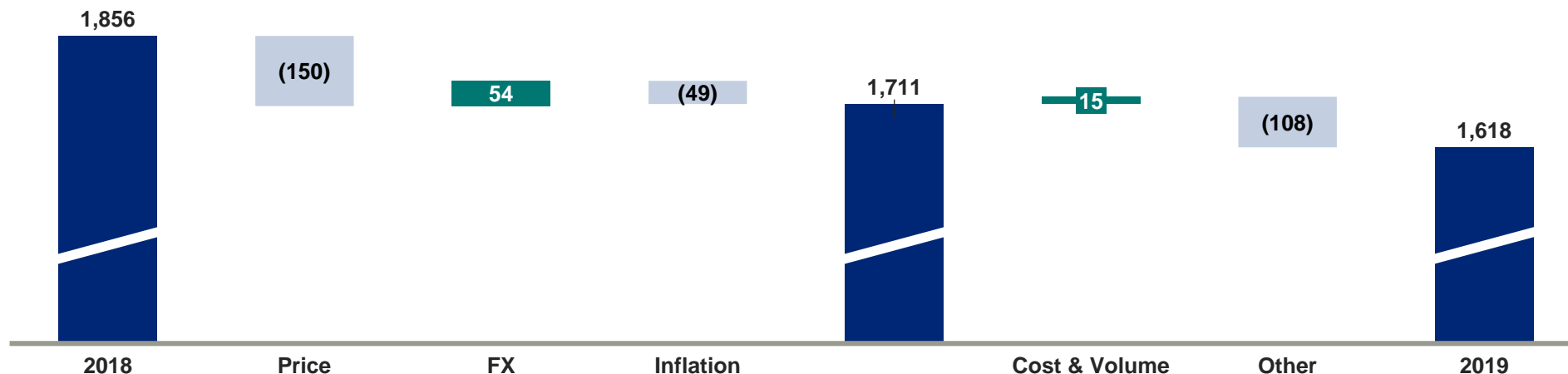


1. Shown on a 100% basis except for the Gahcho Kué joint venture, which is on an attributable 51% basis.
2. Sales of 30.9Mct on a 100% basis (8% decrease).
3. Consolidated realised price – total sales.
4. De Beers unit costs are based on consolidated production and operating costs, excluding depreciation and special items, divided by carats recovered.
5. Represents the underlying EBITDA margin for the mining business. It excludes the impact of the sale of non-equity product by De Beers.

# COPPER – PRICE OFFSETS GOOD COST PERFORMANCE

	Production	Sales <sup>1</sup>	Realised price <sup>1</sup>	C1 unit cost <sup>2</sup>	Underlying EBITDA	Mining margin <sup>3</sup>	Capex <sup>4</sup>
<b>2019</b>	638kt	644kt	273c/lb	126c/lb	\$1,618m	44%	\$1,078m
<b>vs. 2018</b>	↓5%	↓4%	↓4%	↓6%	↓13%	↓4pp	↑53%

## Underlying EBITDA (\$m)



1. Excludes impact of third-party sales.

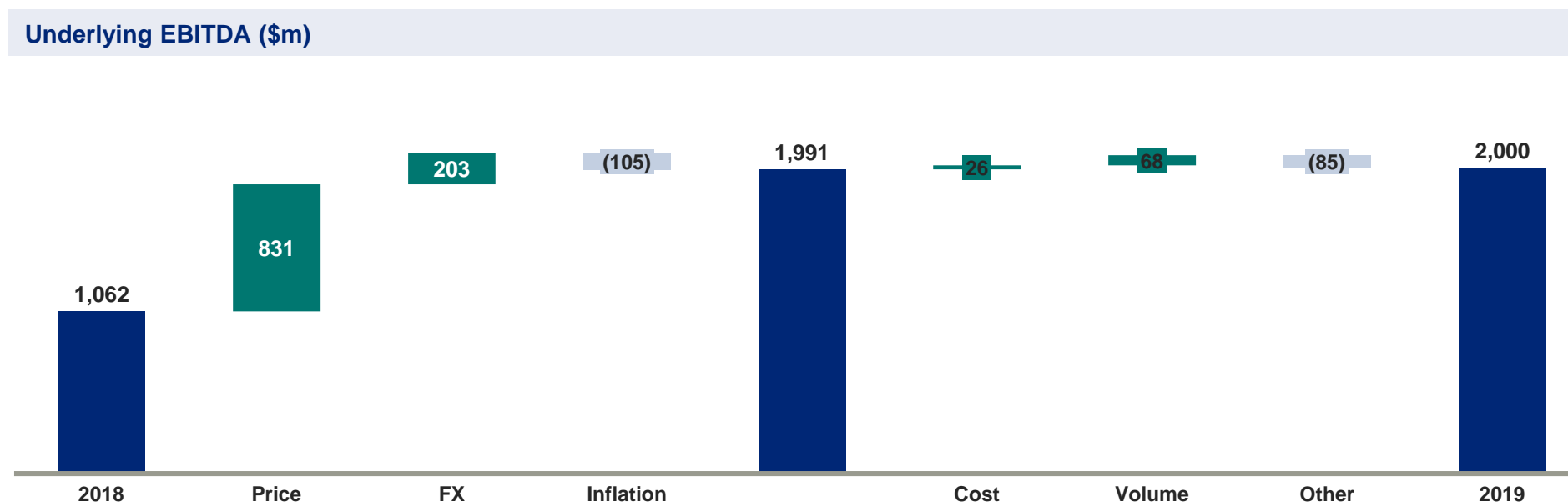
2. Includes by-product credits.

3. Includes Quellaveco, exploration and evaluation costs, restoration and rehabilitation costs, and other corporate costs, excludes impact of third party trading activities.

4. Includes Quellaveco capex which represents the Group's share after deducting direct funding from non-controlling interests. 2019 capex on a 100% basis was \$1,338 million, of which \$515 million was funded by cash from the Mitsubishi syndication transaction in 2018. Of the remaining \$823 million, the Group and Mitsubishi funded their respective 60% and 40% shares via shareholder loans.

# PGMS – STRONG PALLADIUM AND RHODIUM PRICES

	Production <sup>1</sup>	Pt sales <sup>2</sup>	Realised basket price <sup>2</sup>	Unit cost <sup>3</sup>	Underlying EBITDA	Mining margin <sup>4</sup>	Capex
<b>2019</b>	Pt: 2,051koz Pd: 1,386koz	Pt: 2,215koz Pd: 1,521koz	\$2,819/Pt oz	\$1,543/Pt oz	\$2,000m	40%	\$569m
<b>vs. 2018</b>	↑1% / ↑1%	↓9% / ↑1%	↑27%	↓1%	↑88%	↑11pp	↑15%

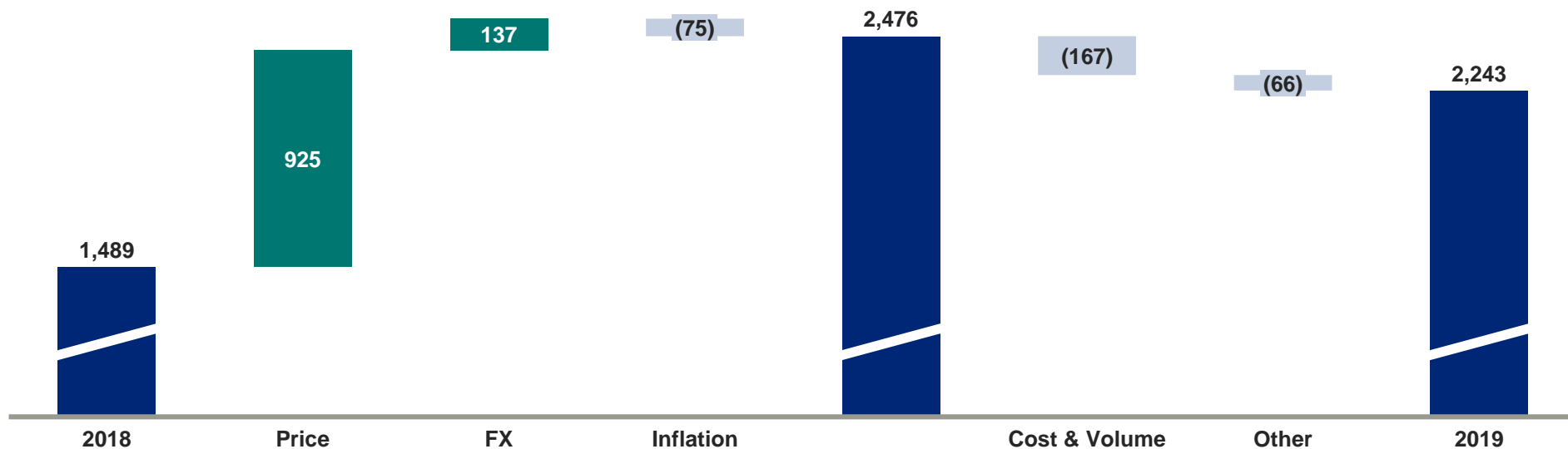


1. Production is on a metal in concentrate basis. Movements from 2018 calculated excluding Sibanye POC in prior year.
2. Excludes trading volumes of 46koz Pt and 262koz Pd
3. Own mined production and equity production of joint ventures.
4. Represents the underlying EBITDA margin for the mining business. It excludes the impact of purchases of concentrate, tolled material and third-party trading activities.

# KUMBA IRON ORE – HIGHER PRICES

	Production	Sales	Realised price (FOB) <sup>1</sup>	Unit cost (FOB)	Underlying EBITDA	Mining margin	Capex
<b>2019</b>	42.4Mt	42.0Mt	\$97/t	\$33/t	\$2,243m <sup>2</sup>	50%	\$389m
<b>vs. 2018</b>	↓2%	↓3%	↑35%	↑3%	↑51%	↑7pp	↑26%

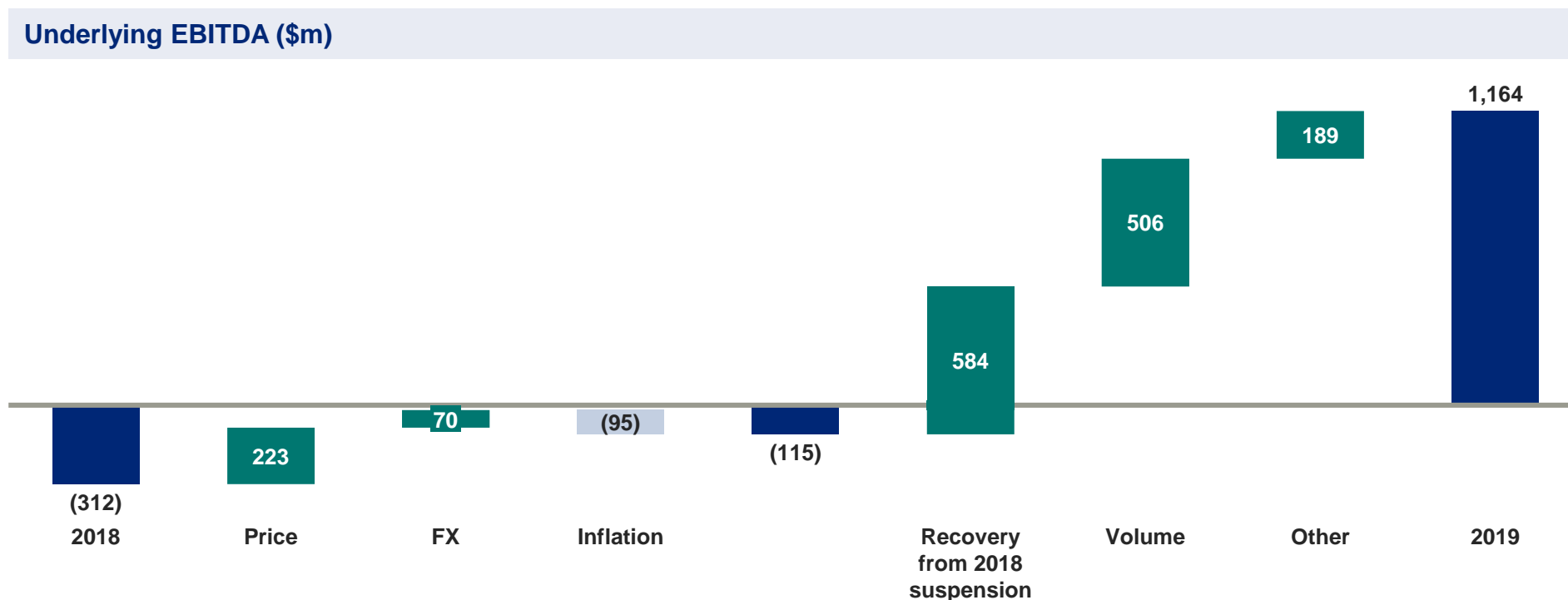
## Underlying EBITDA (\$m)



1. Break-even price of \$45/t for 2019 (2018: \$41/t) (62% CFR dry basis).
2. Includes corporate and projects cost of \$66m.

# MINAS-RIO – STRONG RECOVERY AND PERFORMANCE

	Iron Ore Production	Sales	Realised price (FOB)	Unit cost (FOB)	Underlying EBITDA	Mining margin	Capex
<b>2019</b>	23.1Mt (wet)	22.9Mt	\$79/wmt	\$21/t	\$1,164m <sup>1</sup>	50%	\$205m
<b>vs. 2018</b>	n/a	n/a	n/a	n/a	n/a	n/a	↑93%

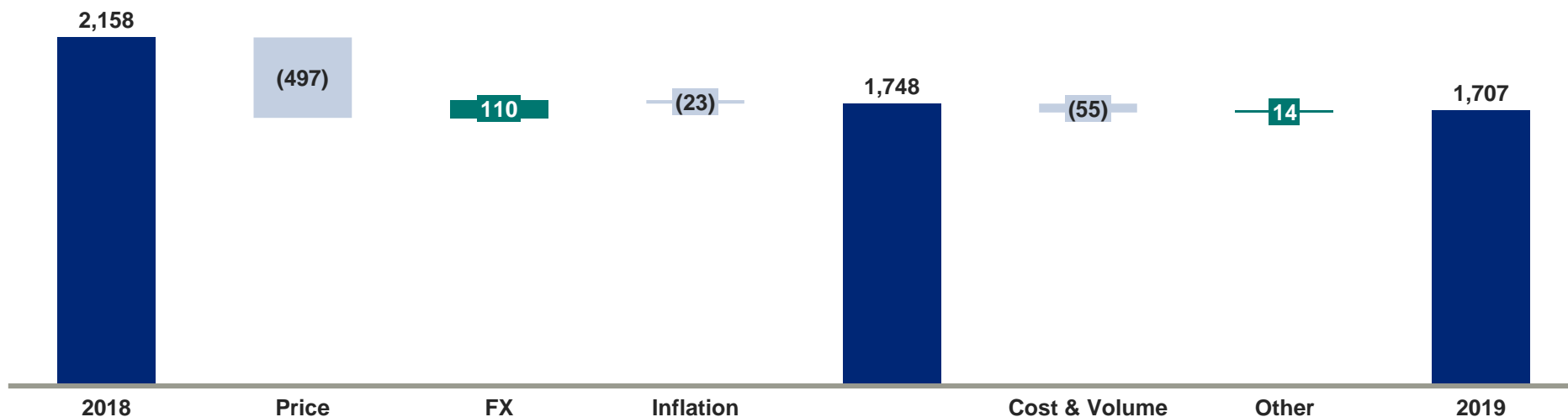


1. Includes corporate and projects cost of \$55m.

# METALLURGICAL COAL – SOLID OPERATIONAL DELIVERY

	Metallurgical production <sup>1</sup>	Metallurgical sales <sup>1</sup>	FOB realised price <sup>2</sup>	Unit cost <sup>3</sup>	Underlying EBITDA	Mining margin	Capex
<b>2019</b>	22.9Mt	22.4Mt	\$165/t	\$63/t	\$1,707m <sup>4</sup>	45%	\$670m
<b>vs. 2018</b>	↑5%	↑2%	↓13%	↓2%	↓21%	↓6pp	↑17%

## Underlying EBITDA (\$m)

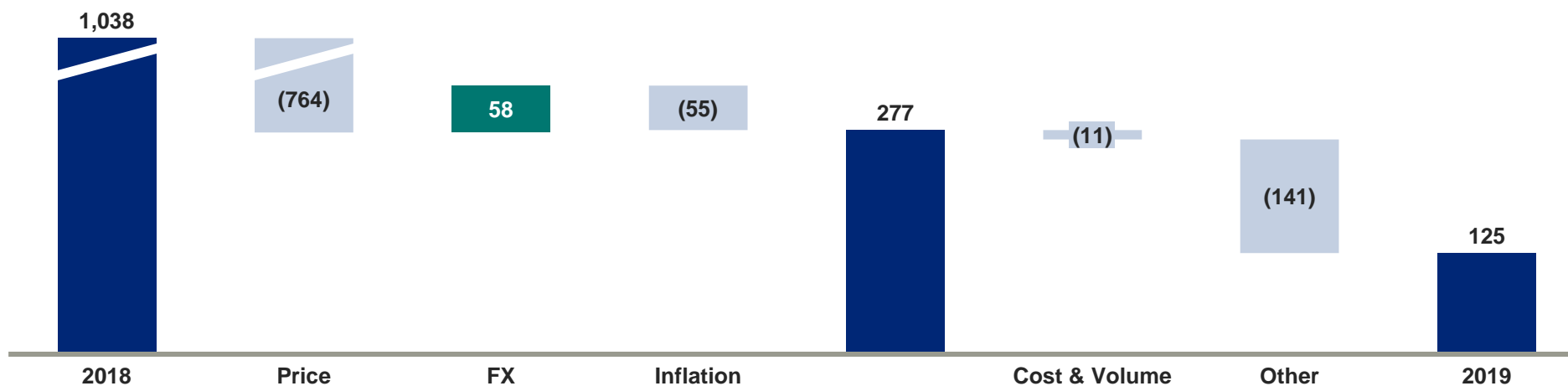


1. Excludes thermal coal.
2. Weighted average HCC and PCI. Excludes thermal coal.
3. FOB unit cost excluding royalties and study costs.
4. Includes corporate and projects costs of \$69m.

# THERMAL COAL – SOFTER DEMAND

	Export prod. SA <sup>1</sup> / Col	Sales SA <sup>2</sup> / Col	FOB price <sup>3</sup> SA / Col	Unit cost <sup>4</sup> SA / Col	Underlying EBITDA SA <sup>5</sup> / Col	Mining margin SA <sup>6</sup> / Col	SA Capex
<b>2019</b>	17.8Mt / 8.6Mt	18.1Mt / 8.8Mt	\$61/t / \$56/t	\$45/t / \$33/t	\$(5)m / \$130m	(3)% / 26%	\$264m
<b>vs. 2018</b>	↓3% / ↓16%	↓1% / ↓13%	↓30% / ↓33%	↑2% / ↓8%	↓101% / ↓66%	↓37pp / ↓20pp	↑78%

## Underlying EBITDA (\$m)

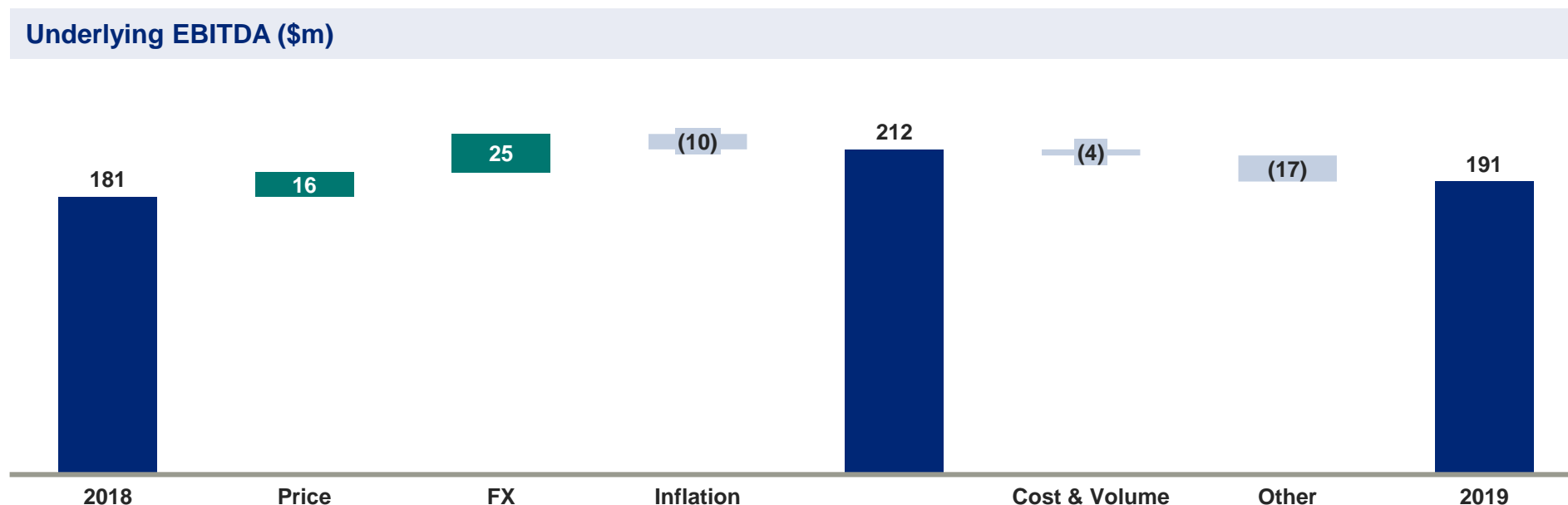


SA = South Africa, Col = Colombia/Carrejón mine (Anglo American share: 33.3%)

1. Export primary production, secondary production sold into export markets and production sold domestically at export parity pricing. Excludes Eskom-tied operations and Isibonelo production.
2. Export primary production, secondary production sold into export markets and production sold domestically at export parity pricing. Excludes Eskom-tied operations, Isibonelo and sales of third-party purchases.
3. Weighted average export thermal coal price achieved. Excludes third party sales.
4. FOB unit cost excluding royalties. SA unit cost is for the trade operations.
5. Includes corporate and project costs of \$59m.
6. Represents the underlying EBITDA margin for the mining business. It excludes the impact of third-party trading activities and in 2018 also excludes the Eskom-tied operations.

# NICKEL – STABLE PERFORMANCE

	Production <sup>1</sup>	Sales <sup>1</sup>	Realised price	C1 unit cost	Underlying EBITDA	Mining margin	Capex
<b>2019</b>	42.6kt	41.7kt	624c/lb	380c/lb	\$191m	33%	\$42m
<b>vs. 2018</b>	↑1%	↓3%	↑6%	↑5%	↑6%	↑1pp	↑11%



1. Nickel BU only.

# DE BEERS: WORLD LEADER IN DIAMONDS

Best-in-class business...

EBITDA mining margin<sup>1</sup>

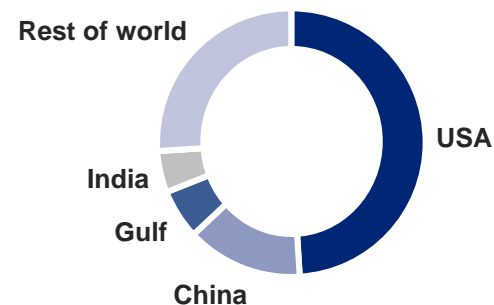
~43%

Trading margin (typical level)<sup>2</sup>

~7%

...focused on consumers

Global demand<sup>3</sup>



Self purchases<sup>3</sup>

~30%

of demand

Millennials<sup>4</sup>

~60%

of US demand

1. Represents the underlying EBITDA margin for the mining business. It excludes the impact of the sale of non-equity product by De Beers.
2. Typical range for trading margin. 2019 margin of 3% impacted by midstream demand.
3. Self purchases by under-35s. Source: The Diamond Insight Report 2019.
4. Source: The Diamond Insight Report 2018 – study focused on millennials.

# A GROWING, WORLD CLASS COPPER BUSINESS

## Quality assets with growth

Collahuasi

**249**ktpa<sup>1</sup> (our share)

Los Bronces

**335**ktpa<sup>1</sup>

Quellaveco

**~300**ktpa<sup>1</sup>

## High value portfolio with long term potential

**~1** Mtpa<sup>1</sup> at **~120**c/lb

With further growth potential from:

- existing assets
- new projects
- exploration

1. Reported basis. 100% for subsidiaries (Los Bronces and Quellaveco) and attributable share for joint operations (Collahuasi). Collahuasi & Los Bronces: 2019 production, Quellaveco: production average over first 10 years.

# QUELLAVECO – A WORLD CLASS COPPER PROJECT

---

## Attractive returns

Low cost with significant further potential

IRR  
**> 15%**

Real, post-tax

ROCE  
**> 20%**

Average over first 10 years

## Focus on execution

All key permits in place, execution progressing well

Payback  
**4 years**

From first production (2022)

Job creation  
**~15,000**

In construction phase  
~2,500 jobs in normal operation

## Successfully syndicated

syndication transaction in 2018

Mitsubishi subscription  
**\$851m**

Additional contingent net payment of \$100m

Implied NPV  
**\$2.74bn**

For 100% of the project

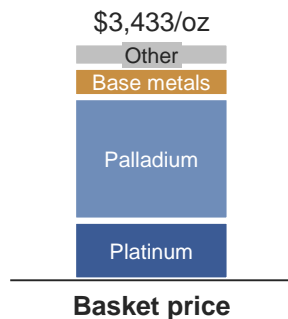
# WORLD LEADER IN PGMs

## Asset focused

### Mogalakwena

**56%**

Mining EBITDA margin



### Amandelbult

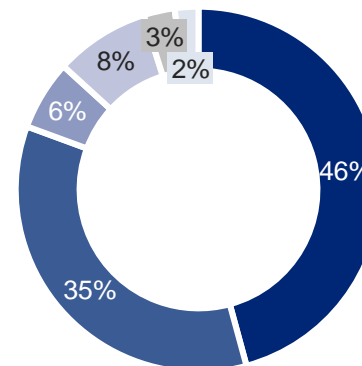
Transition and modernisation continues

### Processing

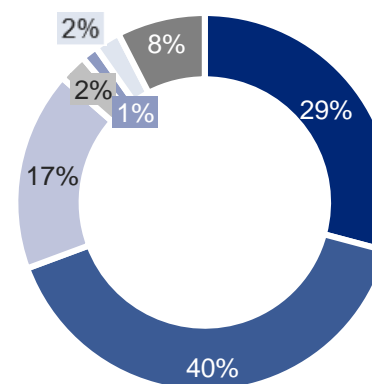
A stable ~10% margin

## Own mined production split by volume

- Platinum
- Palladium
- Rhodium
- Gold
- Ruthenium
- Iridium
- Other

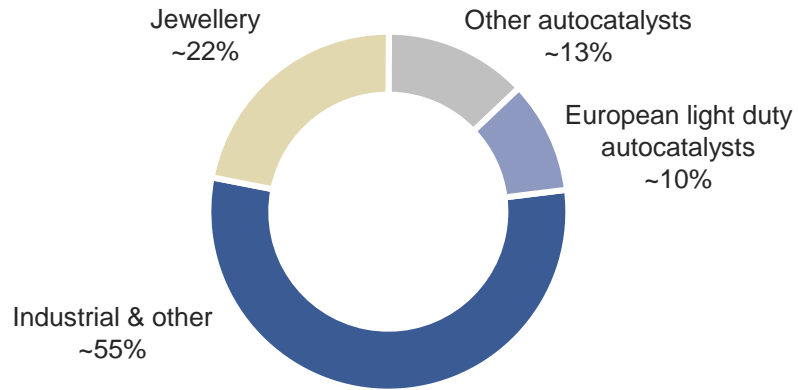


## Own mined production split by revenue

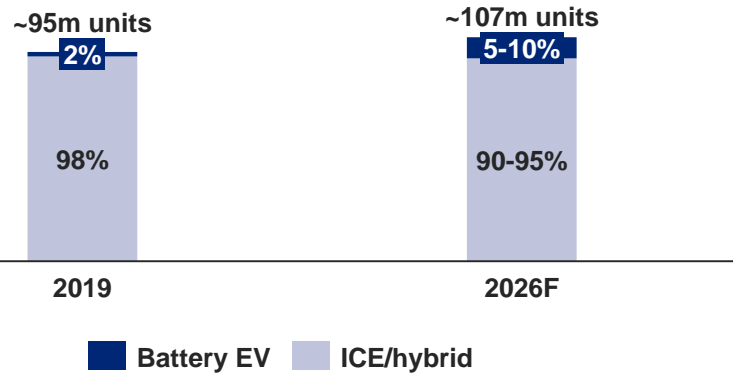


# PGMs MARKET

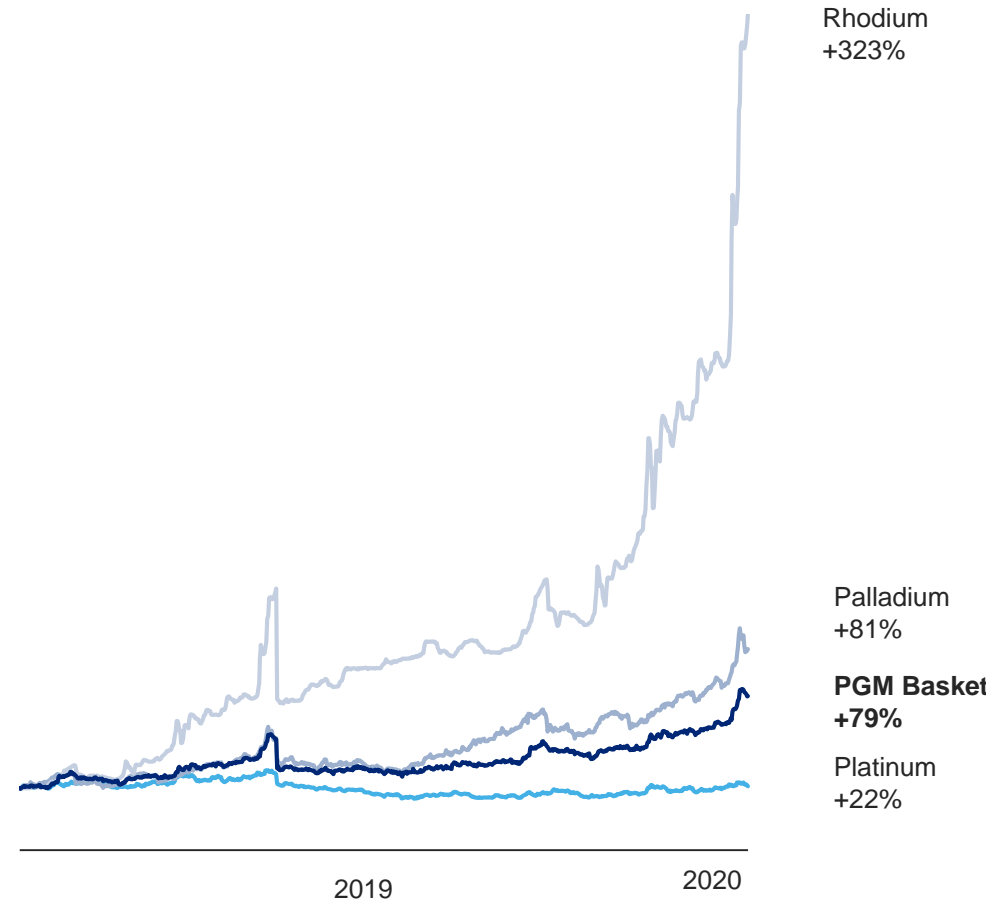
## Platinum demand<sup>1</sup>



## ICE/hybrid demand is set to grow<sup>2</sup>



## Basket price driven by Pd and Rh



1. Source: Johnson Matthey. Net basis  
 2. LMC automotive.

# STRUCTURAL TRENDS FAVOURING HIGH QUALITY BULKS

## Iron ore: premium, high grade products

Kumba production

**~64%Fe**

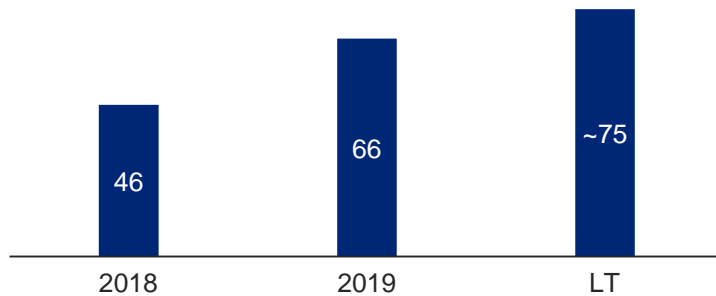
of which 67% is lump

Minas-Rio production

**~67%Fe**

Pellet feed products

Production (Mt)



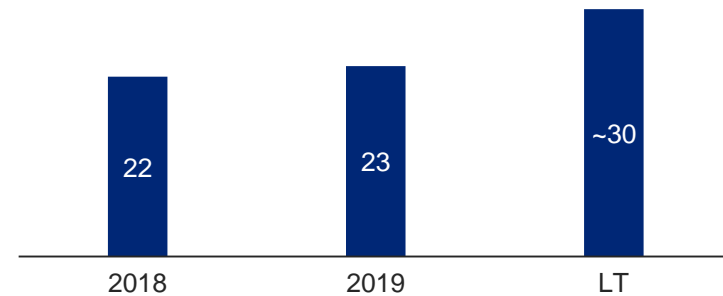
## Metallurgical coal: world class operations

High quality portfolio

**83%**

Hard coking coal<sup>1</sup>

Production (Mt)



1. Production basis. 85% on a sales basis.

# PORTFOLIO OVERVIEW – KEY ASSETS

---

## De Beers

**Botswana** (Debswana)

**Namibia** (Namdeb)

**South Africa** (Venetia)

Trading

## Copper

**Los Bronces**

**Collahuasi**

**Quellaveco project**

## PGMs

**Mogalakwena**

**Amandelbult**

Processing

## Bulks

**Minas-Rio** (Iron ore)

**Kumba** (Iron ore)

**Moranbah-Grosvenor** (Met coal)

**Thermal coal, Nickel & Manganese**

# BUSINESS UNIT LEADERSHIP

---

**De Beers**  
**Bruce Cleaver**



**Base Metals**  
**Ruben Fernandes**



**Strategy**  
**Duncan Wanblad**



**PGMs**  
**Chris Griffith**



**Bulks**  
**Seamus French**

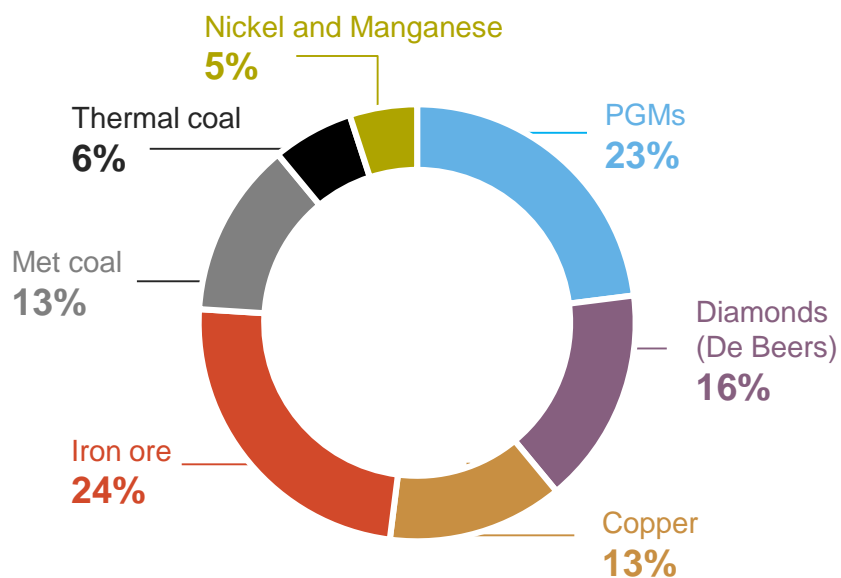


**Marketing**  
**Peter Whitcutt**

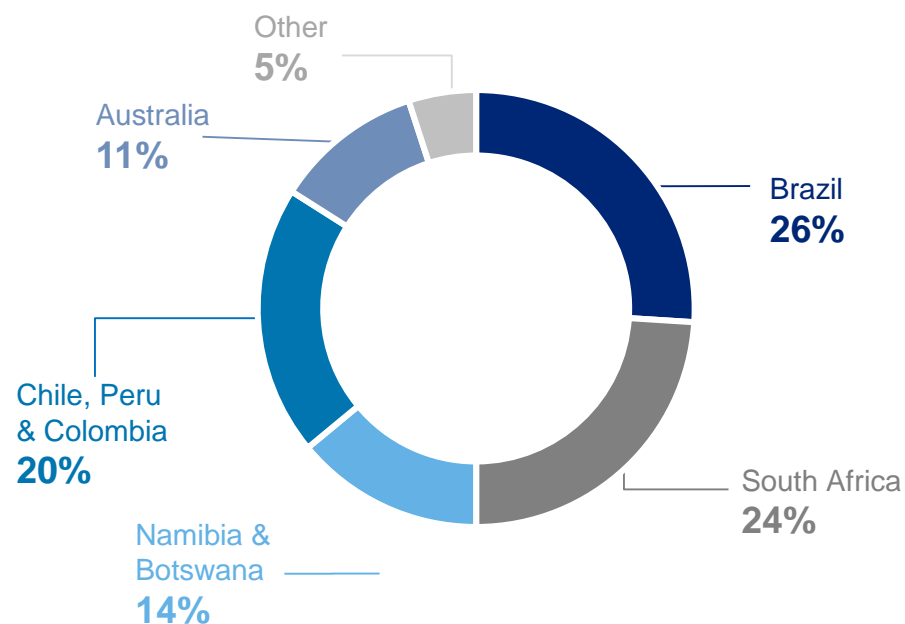


# ASSET QUALITY: DIFFERENTIATED PORTFOLIO

Revenue by product<sup>1</sup>



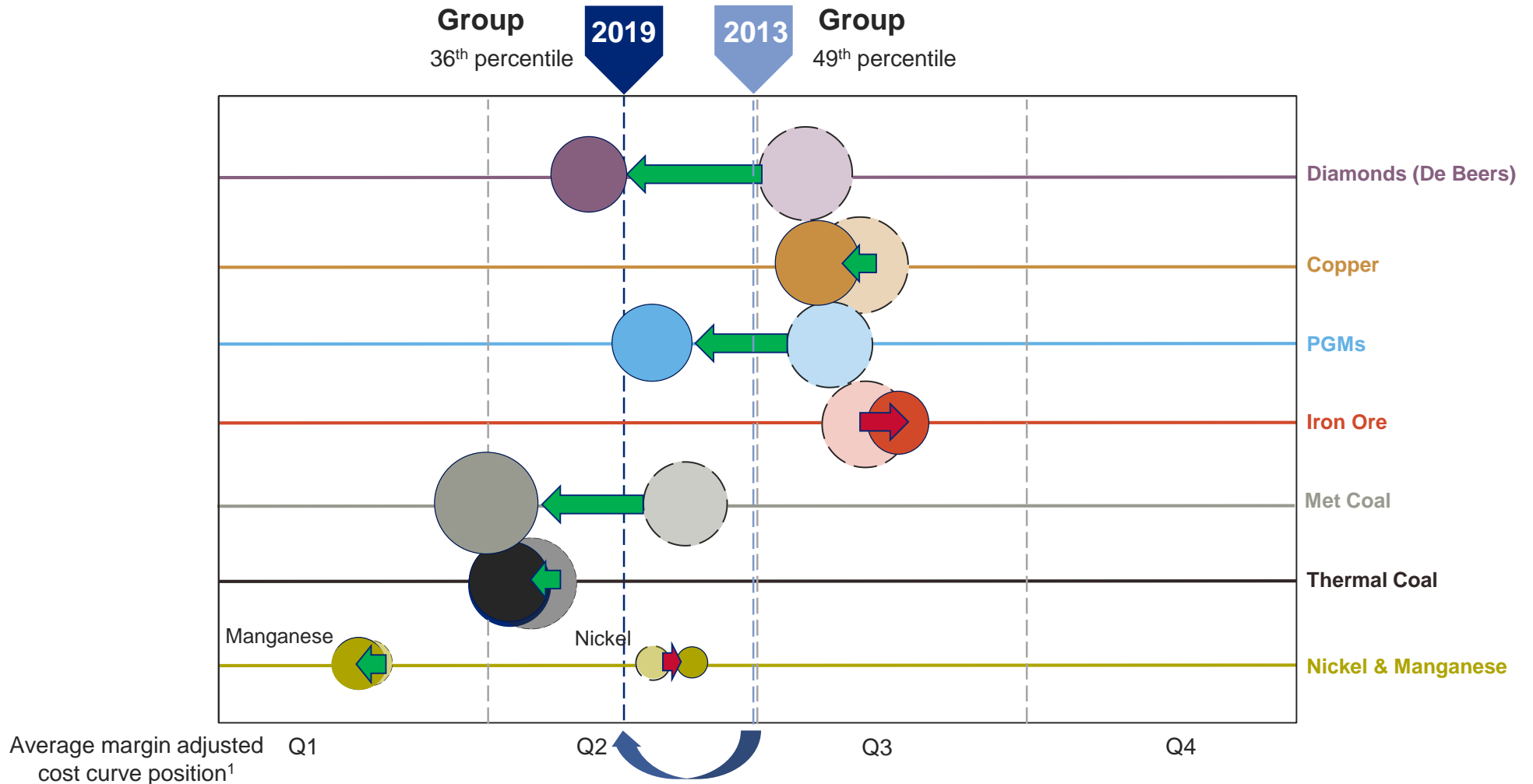
Capital employed by geography<sup>2</sup>



1. Revenue by product based on business unit. Excludes sales of products purchased from third parties by the Group's Marketing function

2. Attributable basis.

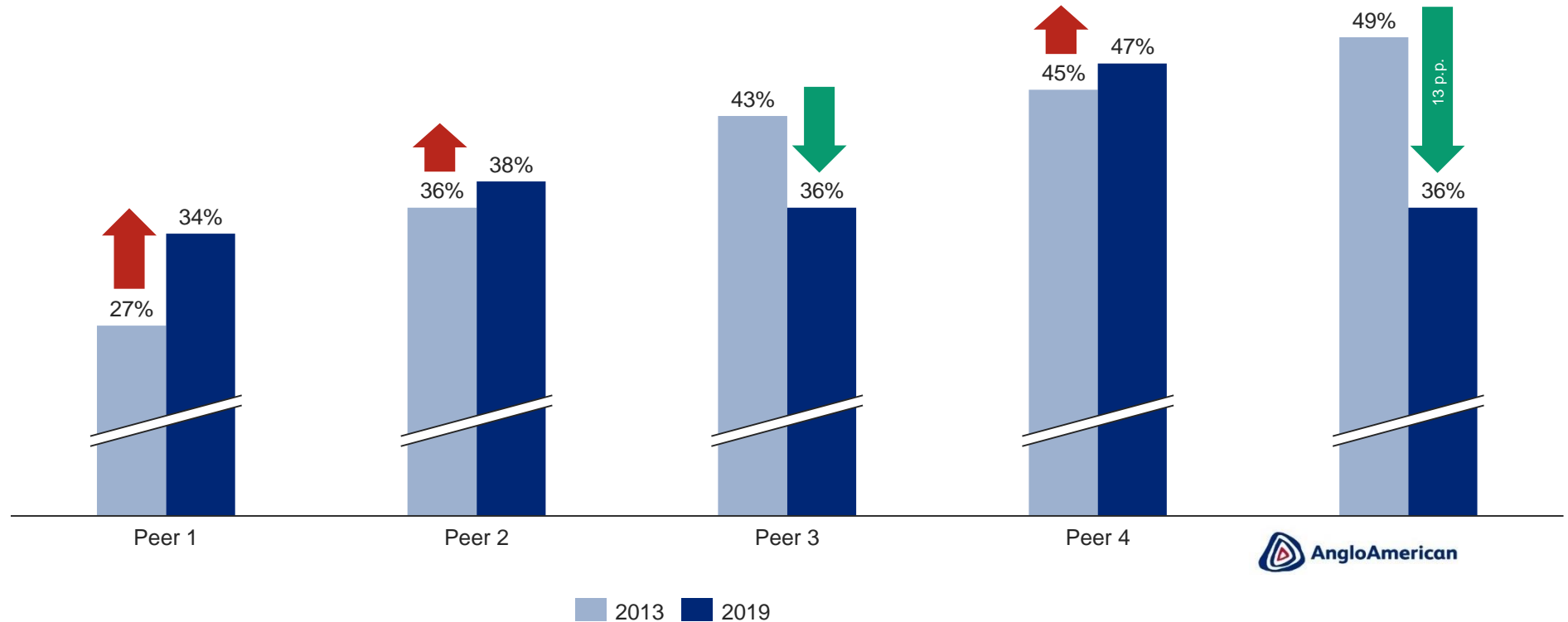
# OUR ASSET IMPROVEMENT JOURNEY



1. Estimate based on data available at H1 2019. Source: Wood Mackenzie; AAP; De Beers; CRU. Includes non-AA mined commodities (e.g., zinc, bauxite). Excludes non-mining activities (e.g. petroleum, alumina/aluminium processing, marketing). Incorporates 2014 data for diamonds.

# LEADING MARGIN CURVE IMPROVEMENT

Average margin adjusted cost curve position<sup>1</sup> (%)



1. Estimate based on data available at H1 2019. Source: Wood Mackenzie; AAP; De Beers; CRU. Includes non-AA mined commodities (e.g., zinc, bauxite). Excludes non-mining activities (e.g. petroleum, alumina/aluminium processing, marketing). Incorporates 2014 data for diamonds.

# HIGH QUALITY DIVERSIFIED PORTFOLIO

---

~1Mt copper	#10 producer currently, #7 post Quellaveco <sup>1</sup>
~37Mct diamonds (De Beers)	#1 producer by value, #2 by volume
~5Moz PGMs	#2 producer
~75Mt high grade iron ore	#5 export producer
~30Mt premium coking coal	#3 export producer
~30Mt export thermal coal	#5 export producer
~75kt nickel	#4 producer <sup>2</sup>

Source: estimated rankings based on a combination of internal and external sources

1. 2020 volumes adjusted to include Quellaveco at 300ktpa.
2. Excludes Chinese and Indonesian supply.

# COMMODITY OUTLOOK

## Medium-to-long term commodity outlook

### Copper

- Demand robust medium to long term. China remains main driver. Green economy presents upside.
- Supply remains uncertain from mid 2020s.

### Diamonds

- Growing disposable income drives demand.
- Supply peaking due to mine exhaustion.

### PGMs

- ICE/hybrid demand set to grow to 2030, despite BEV penetration expected at ~10-20% by then.
- Longer term: palladium tightness eases; potential platinum demand growth from fuel cells and industrial uses.
- Supply expected to be at most, stable.

### Bulks

- Iron ore: Expected growth in India/developing Asia vs China slowdown. Supply consistent with prevailing demand.
- Metallurgical coal: Demand growth expected to shift from China to India. Chinese production being managed.
- Thermal coal: Demand expected to be stagnant.

### Other

- Nickel: Robust growth in stainless steel demand and electric vehicle battery potential.
- Manganese: ~10kg alloy (approx. 6kg contained manganese) used per tonne of all steels.

# IFRS 16: NEW ACCOUNTING STANDARD FOR LEASES

---

- Leases mainly corporate offices, jewellery stores & shipping; also some mining equipment
  - Previously accounted for 'off-balance sheet' with lease costs taken to underlying EBITDA
- 

## New accounting from 2019

- Lease commitments brought onto the balance sheet, increasing net debt by:

**\$0.5bn**

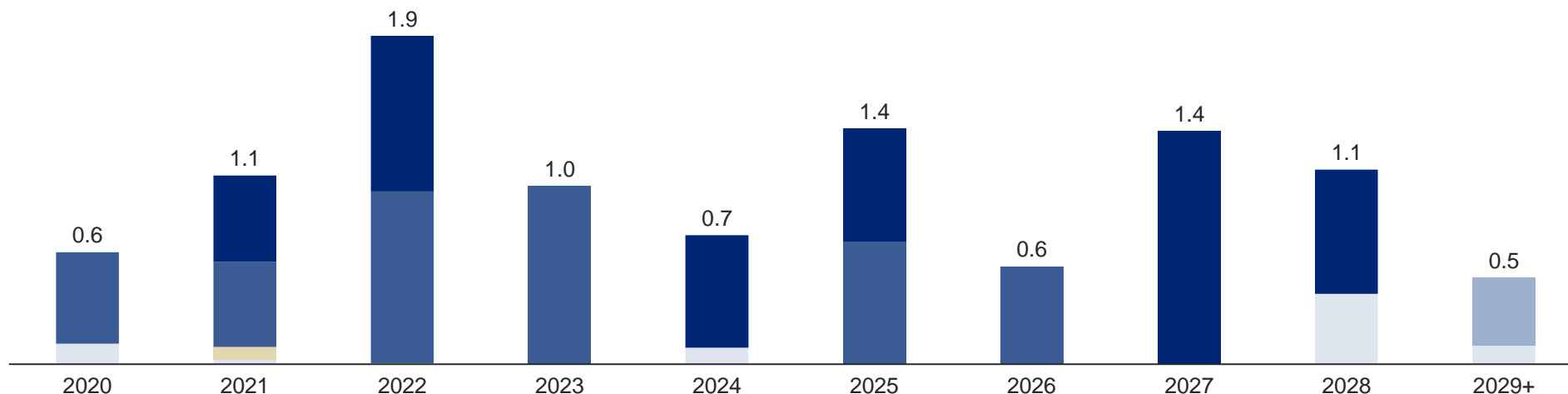
- Lease cash costs moved from EBITDA to balance sheet, replaced by depreciation & discount unwind in P&L
- Net increase in underlying EBITDA:
- Net impact on Underlying Earnings:

**\$0.2bn**

**\$0.0bn**

# DEBT MATURITY PROFILE

Debt repayments (\$bn)



	Euro Bonds	US\$ Bonds	GBP bond	Other Bonds	Subsidiary Financing
% of portfolio	42%	46%	4%	1%	7%
	Capital markets 93%				Bank 2% Other 5%

■ US bonds 
 ■ Euro bonds 
 ■ GBP bond 
 ■ Other bonds (e.g. ZAR) 
 ■ Subsidiary financing

# FUTURESMART MINING™

Our innovation-led approach to sustainable mining



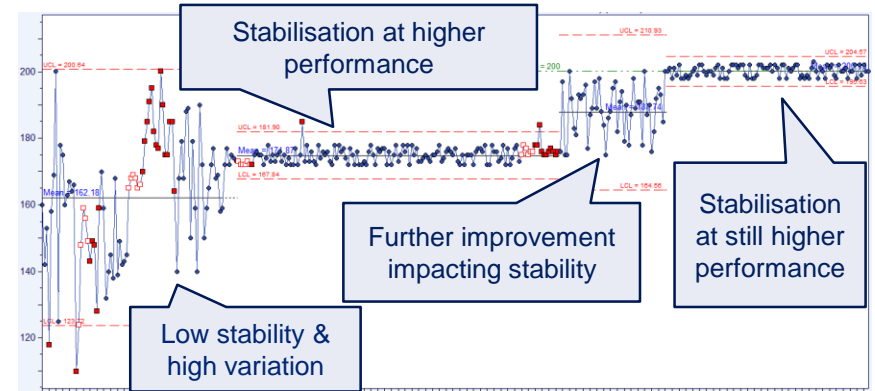
# OPERATIONAL EXCELLENCE UNDERPINS TRANSFORMATION

## Operating Model: delivering stable & predictable outcomes

Work is planned, scheduled and properly resourced

Stable and consistent performance

Safer and lower cost



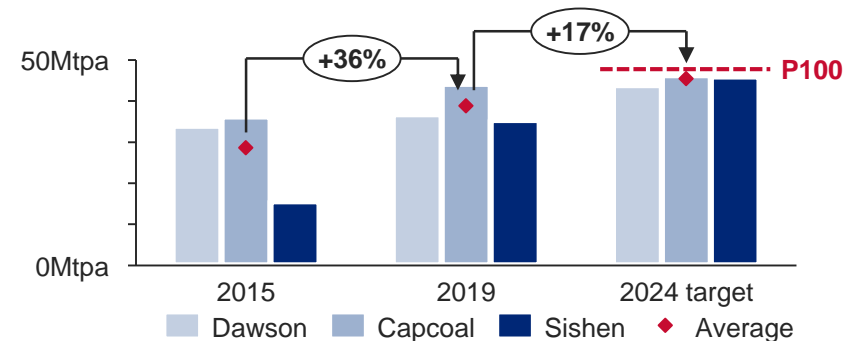
## P101: achieving & redefining best-in-class performance

Focused on the key equipment for each asset

Identify route to industry best-in-class and beyond

Optimise: higher tonnes and/or lower equipment costs

### Example: Large rope shovel performance



# INNOVATIVE TECHNOLOGIES IN DEVELOPMENT & ROLL-OUT

## Bulk Ore Sorting

Sensors determine ore content prior to processing

Waste rejected early:

- Grade/throughput improvement; +5% to 25%
- Energy, water and cost savings

Full scale testing underway at El Soldado

Units installed at Barro Alto & Mogalakwena

## Coarse Particle Recovery

Flotation process changed

Allows material to be crushed to larger particle size:

- 20% more throughput; 85% recovery of water
- Energy and cost savings

Full scale installation under way at El Soldado

Future application at Copper, Minas-Rio and PGMs

## Advanced Process Control

Uses process models, replaces manual control of processes

Optimises process performance

Up to 40% improvements in stability & productivity at certain operations

## Others

Safety: collision avoidance, underground connectivity

Sustainability: gas management

Hydrogen-powered haulage

Shock break

# WATER MANAGEMENT INTEGRAL TO THE BUSINESS

## New technologies

Bulk ore sorting to pre-concentrate

Coarse particle recovery to allow water abstraction from tailings

## Improving efficiencies

Grey water usage at Los Bronces

Evaporation management

## Investment

Potential for desalination powered by renewable energy

**Management of key operational risks**

**2030 target**

**50%**

Reduction in water abstraction<sup>1</sup>

**Total water withdrawals: 209 million m<sup>3</sup> (2018: 227 million m<sup>3</sup>)**

1. In water-stressed areas as an average across the Group against a 2015 baseline.

# ENERGY EFFICIENCY AND GHG EMISSION REDUCTIONS

## Energy usage

Renewable energy usage  
Increased efficiency

2030 target

**30%**

Reduction in energy usage

Total energy usage: 87 million GJ (2018: 84 million GJ)

## Greenhouse Gases

Gas capture

2030 target

**30%**

Reduction in GHG emissions

Total CO2 eq emissions: 17.7 million tonnes (2018: 16.0 million tonnes)

1. In water-stressed areas as an average across the Group against a 2015 baseline.

# OUR RESPONSIBLE TRANSITION OUT OF THERMAL COAL

## Coal demand

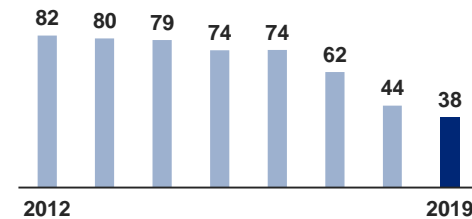
Thermal coal makes up ~38% of the global electricity mix

IEA & other forecasts see a significant role for thermal coal in the global energy mix at least to 2030

Access to reliable & affordable electricity is critical in alleviation of poverty and promotion of growth in developing countries

## Production down 54% since 2012

Production (Mt)



Thermal coal<sup>1</sup> as % Group revenue

6%

Thermal coal<sup>1</sup> as % underlying EBITDA

1%

1. Equity production volumes.

## Responsible stewardship

Selling our coal assets would not alleviate the issue that coal is required & would be taken out of the ground, potentially by someone without our values, environmental standards & care for communities

## Investing in innovation

30% reduction in operational GHG emissions targeted by 2030 & long term plan for a carbon neutral mine

## Premium assets

Q1 on the cost curve

Favourable access to export markets

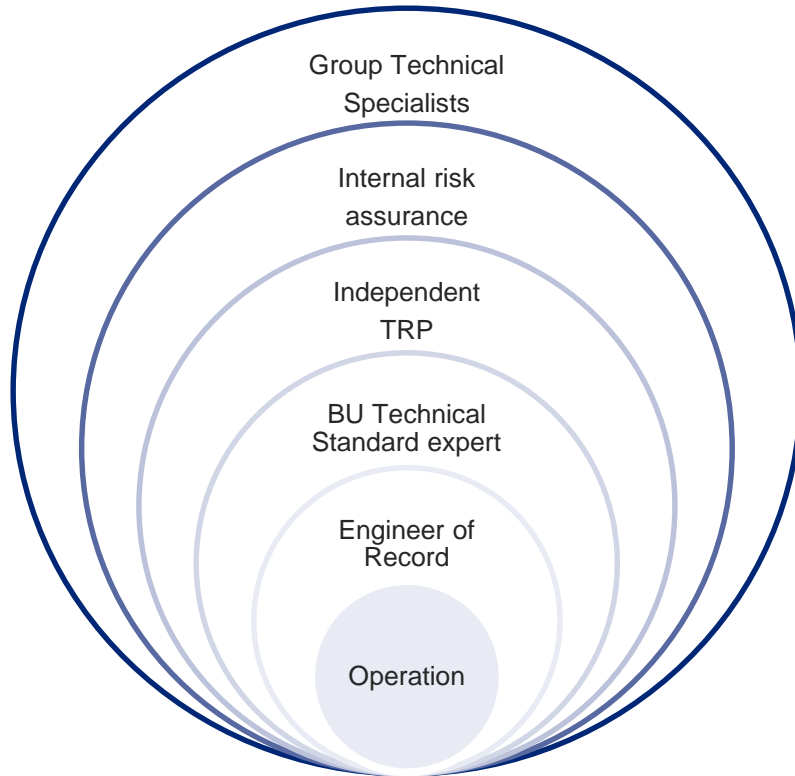
## 10 year mine life<sup>1</sup>

Life extensions considered on a case-by-case basis as in line with a responsible transition process

1. Production weighted average

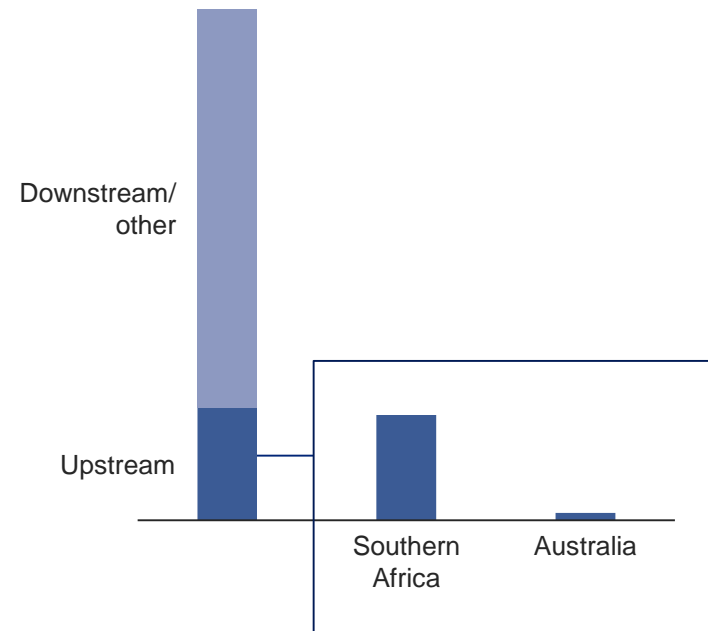
# INDUSTRY LEADING DAM SAFETY MANAGEMENT

## Managing tailings safely



6 levels of assurance: 2 internal, 2 external, 2 independent

## Tailings dams in our portfolio



No upstream constructed dams in South America

# OUR CONTRIBUTION TO SOCIETY

---

## Taxes

Paid to governments

**\$3.0bn**

## Wages and benefits

Paid to employees and contractors

**\$3.5bn**

## Local procurement

Paid to suppliers

**\$3.8bn**

## INVESTOR RELATIONS

Paul Galloway

[paul.galloway@angloamerican.com](mailto:paul.galloway@angloamerican.com)

Tel: +44 (0)20 7968 8718

Robert Greenberg

[robert.greenberg@angloamerican.com](mailto:robert.greenberg@angloamerican.com)

Tel: +44 (0)20 7968 2124

Emma Waterworth

[emma.waterworth@angloamerican.com](mailto:emma.waterworth@angloamerican.com)

Tel: +44 (0)20 7968 8574