



PALADIN ENERGY LTD

## **December 2015 Half Year and Quarter Results Conference Call and Investor Update**

**17 February 2016**

**Alexander Molyneux – Chief Executive Officer**

**Craig Barnes – Chief Financial Officer**

**Darryl Butcher – EGM Technical and Project Development**

**Andrew Mirco – GM Corporate Development and Investor Relations**

# Disclaimer and Notes for JORC and NI 43-101 Mineral Resources and Ore Reserves



This presentation includes certain statements that may be deemed “forward-looking statements”. All statements in this presentation, other than statements of historical facts, that address future production, reserve or resource potential, exploration drilling, exploitation activities and events or developments that Paladin Energy Ltd (the “Company”) expects to occur, are forward-looking statements.

Although the Company believes the expectations expressed in such forward-looking statements are based on reasonable assumptions, such statements are not guarantees of future performance and actual results or developments may differ materially from those in the forward-looking statements. Factors that could cause actual results to differ materially from those in forward looking statements include market prices, exploitation and exploration successes, and continued availability of capital and financing and general economic, market or business conditions.

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In the following presentation, for those deposits that are reported as conforming to the Joint Ore Reserves Committee (JORC) 2004 or 2012 code, the terms Inferred Mineral Resources, Indicated Mineral Resources, Measured Mineral Resources, Ore Reserves, Proved Ore Reserves, Probable Ore Reserves and Competent Person are equivalent to the terms Inferred Mineral Resources, Indicated Mineral Resources, Measured Mineral Resources, Mineral Reserves, Proven Mineral Reserves, Probable Mineral Reserves and Qualified Person, respectively, used in Canadian National Instrument 43-101 (NI 43-101).

The technical information in this presentation that relates to Exploration Results, Mineral Resources and Ore Reserves is based on information compiled by David Princep B.Sc. and Stephanie Raiseborough B.E., both of whom are Fellows of the Australasian Institute of Mining and Metallurgy. Mr. Princep and Ms. Raiseborough each have sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity that they are undertaking to qualify as Competent Persons as defined in the 2012 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”, and as Qualified Persons as defined in NI 43-101. Mr. Princep and Ms. Raiseborough are full-time employees of the Company and consent to the inclusion of the relevant information in this announcement in the form and context in which it appears.

Previous tonnages, grades, assays and other technical data relating to the Oobagooma deposit are taken from historical records prior to the implementation of the current NI 43-101. While the data is believed to have been acquired, processed and disclosed by persons believed to be technically competent, they were estimated prior to the implementation of NI 43-101 and are therefore regarded as historical estimates for the purposes of NI 43-101 and as an exploration target for the purposes of JORC disclosure. A Qualified Person as defined in NI 43-101 has not done sufficient work to classify the historical estimate as current Mineral Resources. The Company is not treating the historical estimates as current Mineral Resources as defined in NI 43-101 and for this reason the historical estimates should not be relied upon. At present, the Company considers that these resources have no equivalent classification under NI 43-101 and should therefore be considered as unclassified. The historical information is presented on the basis that it may be of interest to investors.

Some of the information in this presentation, in relation to the mineral resources and ore reserves for all deposits except Manyingee and Michelin, was prepared and first disclosed under the JORC Code 2004. It has not been updated since to comply with JORC Code 2012 on the basis that the information that the estimates are derived from has not materially changed since it was last reported.



**PALADIN**

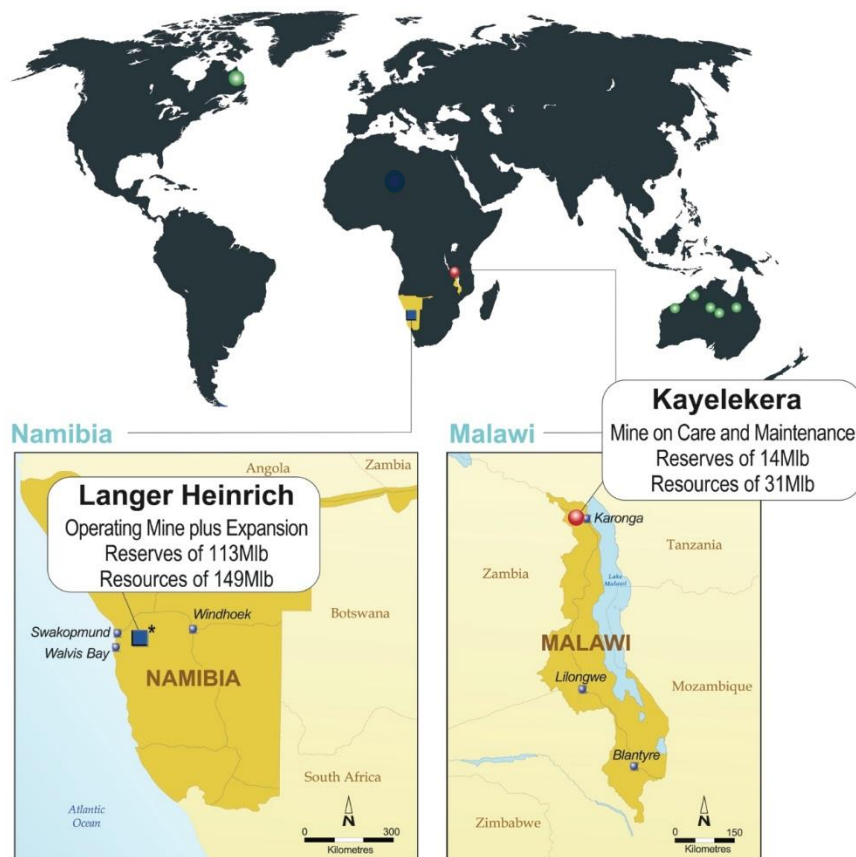
**A GLOBAL URANIUM LEADER**

**OWNS LANGER HEINRICH, A STRATEGIC TIER ONE MINE**

**HAS OPTIMISATION AS A CORE COMPETENCY**

**PROVIDES BEST SENIOR LEVERAGE TO URANIUM UPSIDE**

# Global Uranium Leader



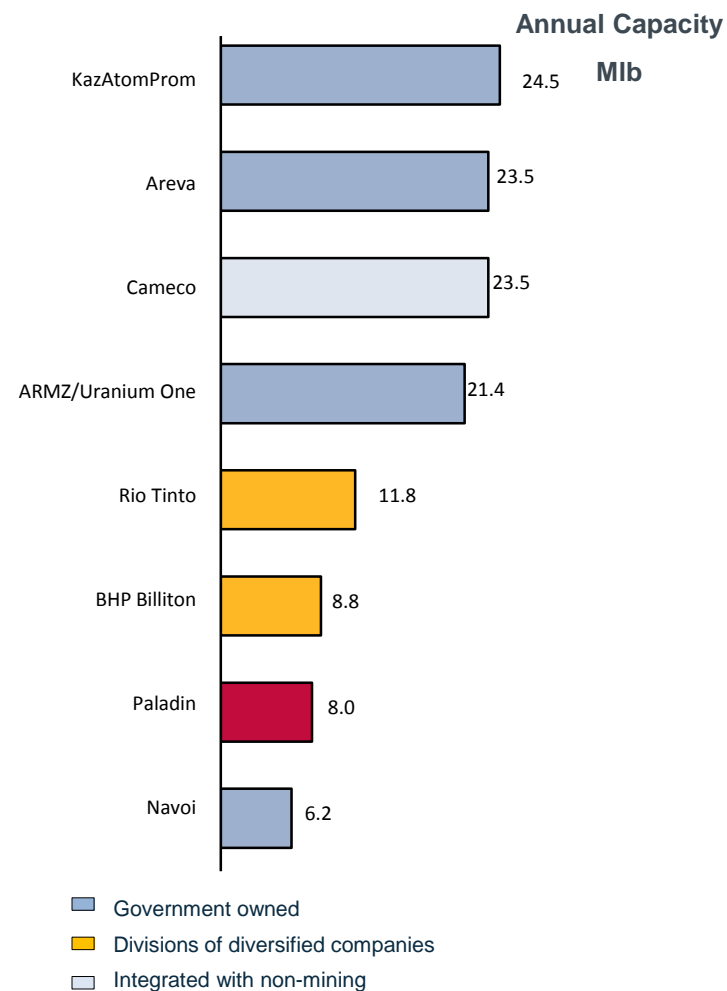
**Attributable Reserves and Resources**

Proved + Probable	98.5Mlb $U_3O_8$
Measured + Indicated	239.3Mlb $U_3O_8$
Inferred	156.3Mlb $U_3O_8$
Historic	21.9Mlb $U_3O_8$

- Paladin 100%
- Paladin 75%
- Geological Assets

Resources and Reserves shown on the map represent 100% of the Resource or Reserve - not the participant's share, and are depleted for mining where appropriate.

*Paladin is the world's leading independent pure play uranium miner*





# Langer Heinrich A Strategic Tier One Mine



## First Quartile

### C1 Cash Cost<sup>1</sup>

## Top 10 Uranium Mine by Production<sup>2</sup>

*4th largest open-pit*

## +20 Year Mine Life<sup>3</sup>

## 33.8Mlb

*Cumulative production*

<sup>1</sup> Source – UxC Uranium Production Cost Study – August 2015

<sup>2</sup> Source – TradeTech Uranium Market Study – 2015: Issue 3 (based on 2015 production)

<sup>3</sup> At current processing rates



# Quarter to 31 December 2015 Highlights



**Production 1.259Mlb**

*Drummed Production 1.264Mlb*

**LTIFR 2.10**

*Compared to 1.39 last quarter and 4.14 for quarter ended 31 December 2014*

**US\$37.90/lb ASP**

*5% above average spot  
US\$40.54/lb YTD*

**C1 Cash Cost US\$25.38/lb**

*vs December quarter guidance  
US\$25/lb to US\$27/lb*

**US\$12.4M Gross Profit**

*Increase of 396% from  
US\$2.5M in 2014*

**Cash US\$136.8M**

*vs pro forma guidance incl. repurchase  
of CB's US\$122.5M to US\$132.5M*

- ✓ Repurchased US\$17M of Convertible Bonds due 2017 to reduce to US\$237M
- ✓ C1 cash cost decreased 11% from US\$28.58/lb in December 2014
- ✓ Record low C1 cash cost achieved for month of December US\$23.73/lb
- ✓ On track to be cash flow neutral-to-positive excluding one-off items
- ✓ "All in" cash cost guidance revised lower

# Quarter to 31 December 2015 Highlights




References below to 2015 and 2014 are to the equivalent three months ended 31 December 2015 and 2014 respectively.



**Down 7%**

**Sales revenue US\$64.4M**


1.699Mlb sold at average  
realised price of US\$37.90/lb



**Up 396%**

**Gross Profit  
US\$12.4M**


Increase from 2014  
Gross Profit of US\$2.5M



**Down 62%**

**Net Income  
Loss of US\$7.8M**

Lower than loss of  
US\$20.5M in 2014



**Down 23%**

**Cost of Sales  
US\$52.2M**

Down from 2014  
Cost of Sales US\$67.9M



**EBITDA US\$10.6M**

US\$17.2M turnaround from 2014  
negative EBITDA of US\$6.6M



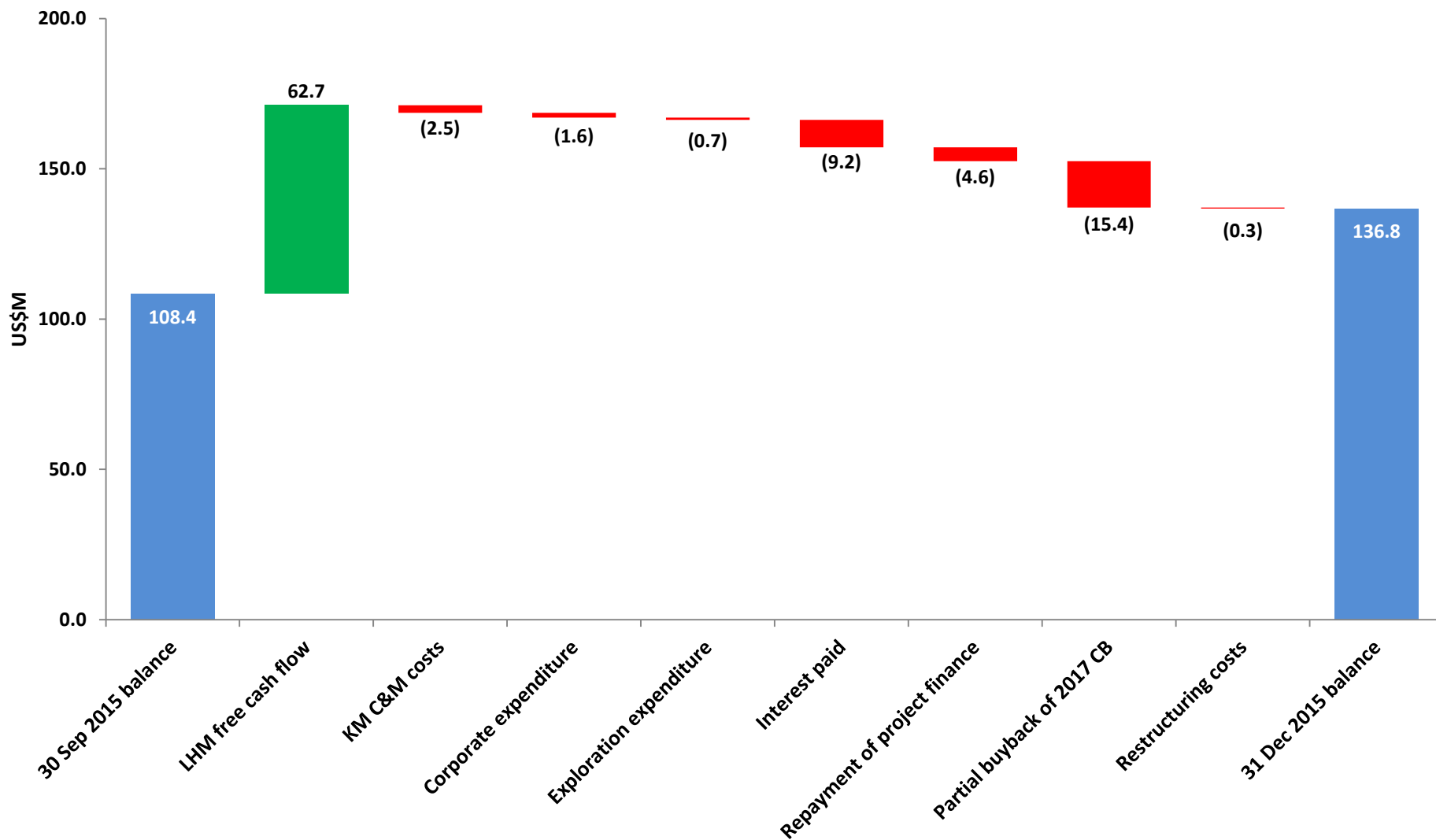
**US\$17M Repurchase  
of 2017 CB**

Resulted in savings  
of approx. US\$3.1M

# Quarter to 31 December 2015 Cash Flow



## Quarter to 31 December 2015 change in cash and cash equivalents

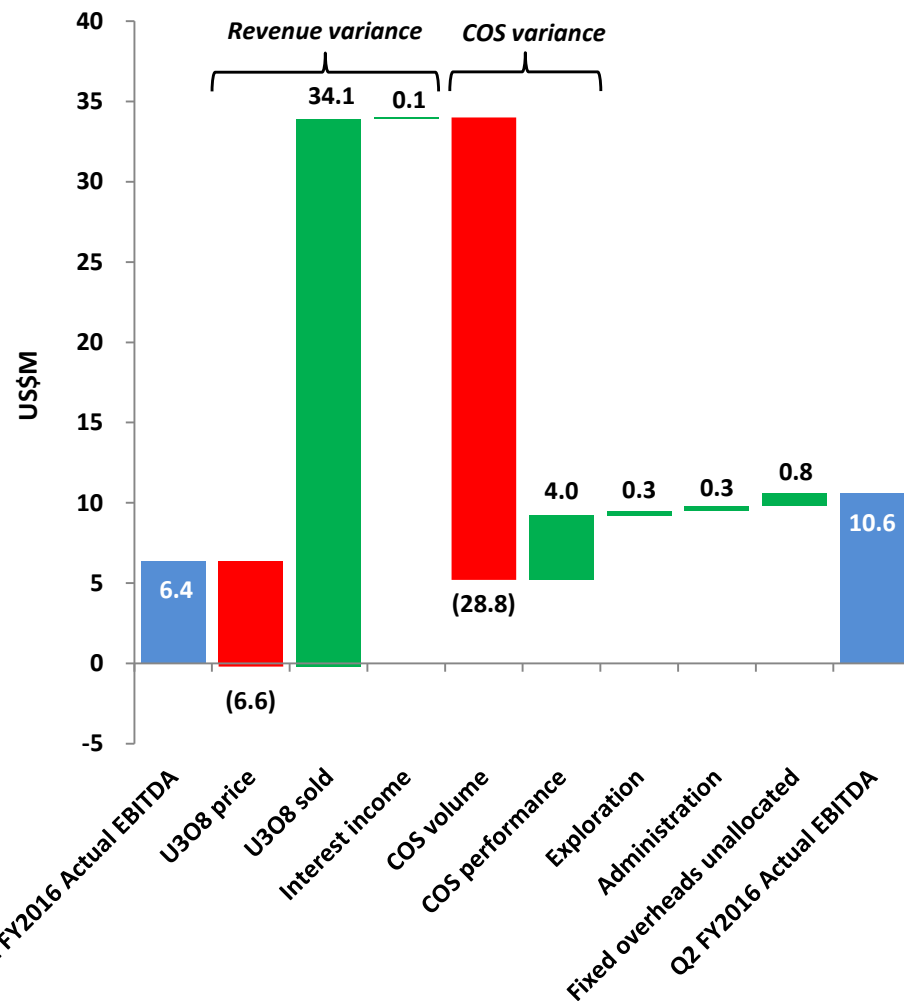




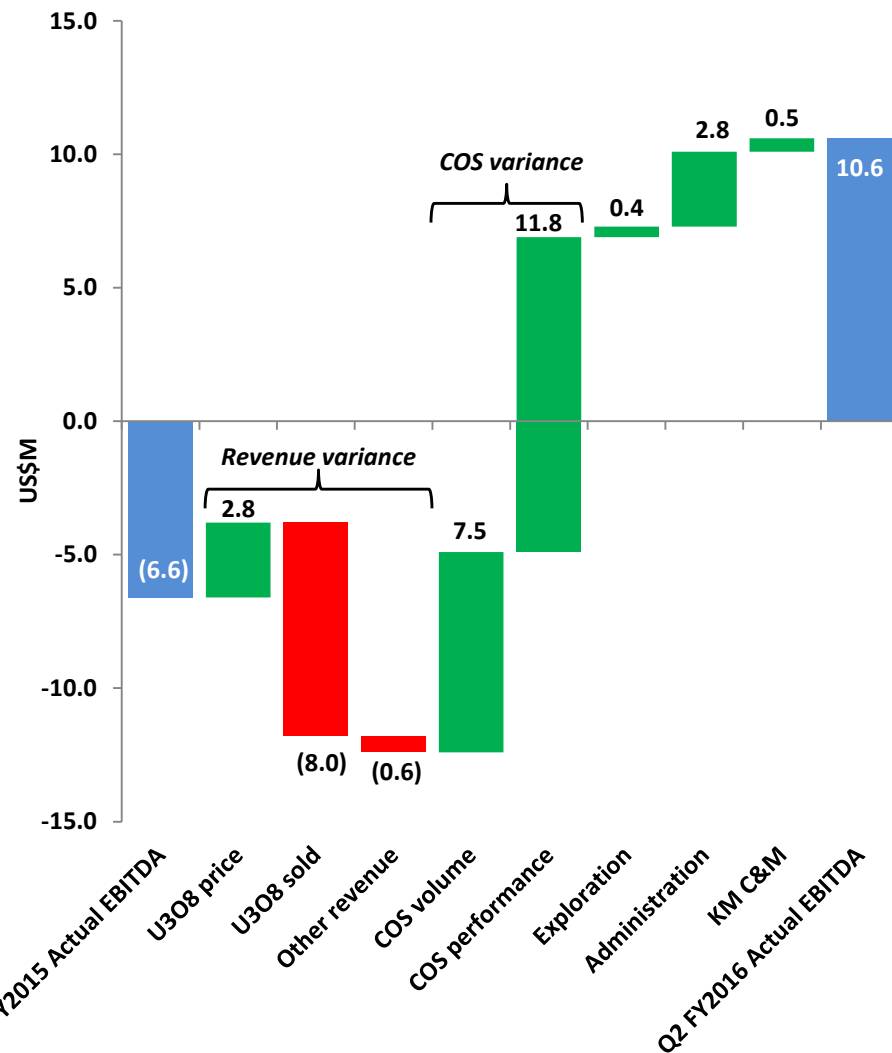
# EBITDA Variance Analysis



Quarter to 31 December 2015 vs. Quarter to 30 September 2015

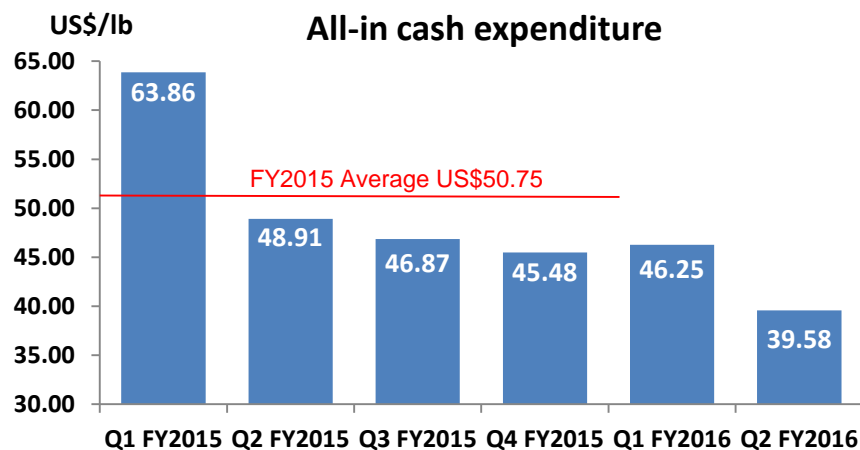


Quarter to 31 December 2015 vs. Quarter to 31 December 2014

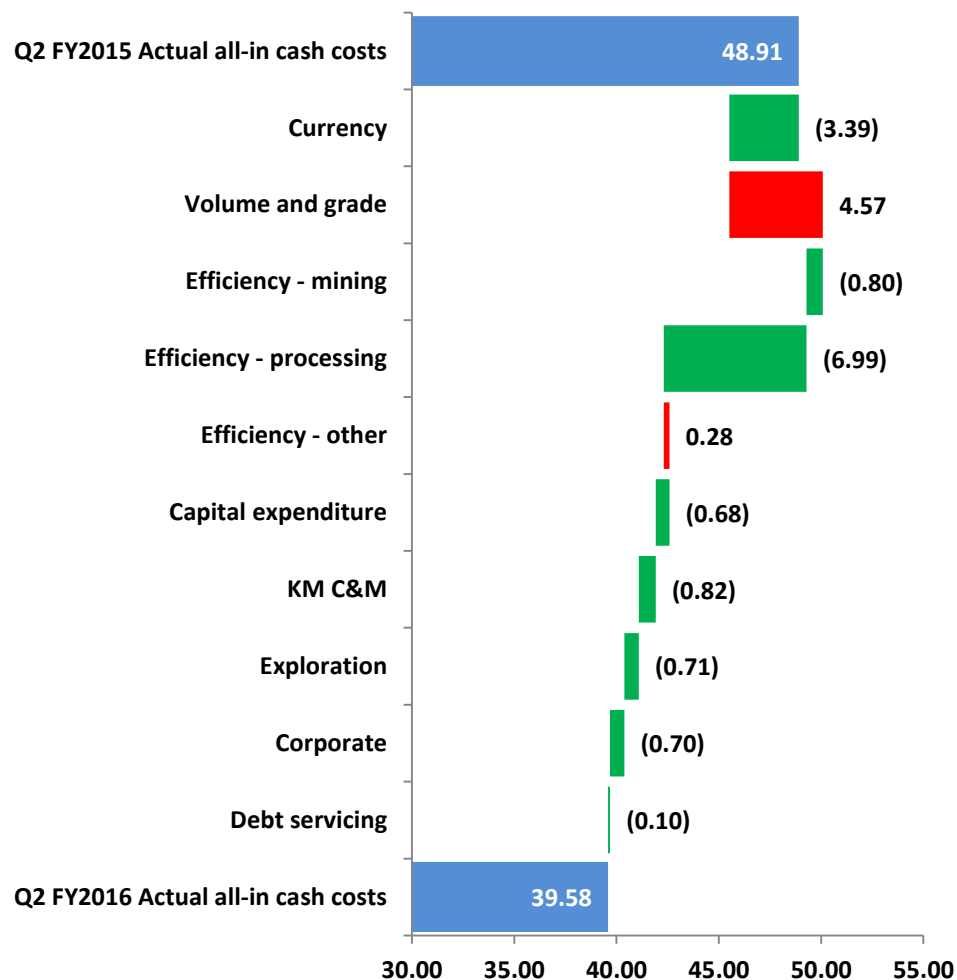


# All-in Cash Spending (Breakeven Price)

- Defined to include all spending (incl. principal amortisation on LHM project financing)
- Ahead on plans to reduce expenditure in line with low uranium price
- Reduced by US\$9.33/lb vs. equivalent quarter last year (excluding one off items)



Quarter to 31 December 2015 vs. Quarter to 31 December 2014



# Capital Management

- Debt reduction<sup>1</sup>
  - US\$471.1M since June 2012
  - US\$22M during Dec Quarter
    - US\$17M reduction in 2017 CB
    - US\$5M reduction in LHM project financing
- Next maturity is April 2017
- Outlook for improved operating cash flows
- Strategic initiatives being advanced
- Estimated funding 'gap' to re-finance April 2017 CB maturity reduced to US\$140-165M

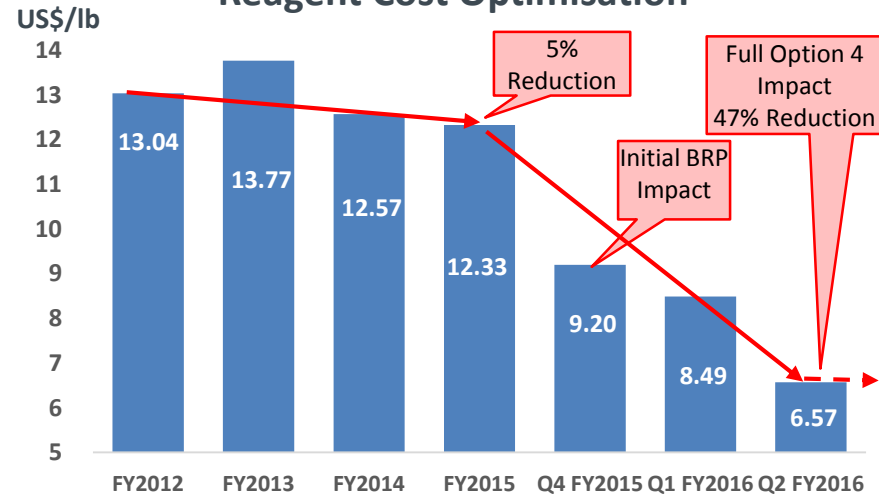
Breakdown of Key Debt Instruments <sup>1</sup>	US\$M
LHM Syndicated Facility Agreement	56
Convertible Bonds due April 2017	237
Convertible Bonds due March 2020	150
<b>Total Debt</b>	<b>443</b>

<sup>1</sup> Reductions based on face value of debt

# Optimisation a Core Competency

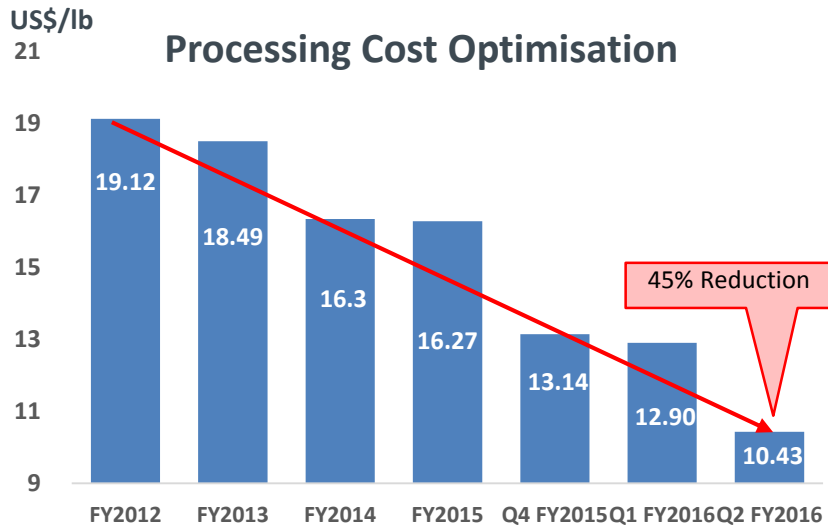


## Reagent Cost Optimisation



- Paladin maintains a world class technical services team focused on cash flow optimisation
- BRP Enhancement 4 now operational
  - ✓ Capital Cost of additional <US\$100k of our original capital cost of US\$6.8M
  - ✓ Recovery of sodium bicarbonate now exceeds 200% of design
  - ✓ Total operating cost saving now >US\$6/lb (>US\$30Mpa)
  - ✓ Additional secondary benefits

## Processing Cost Optimisation

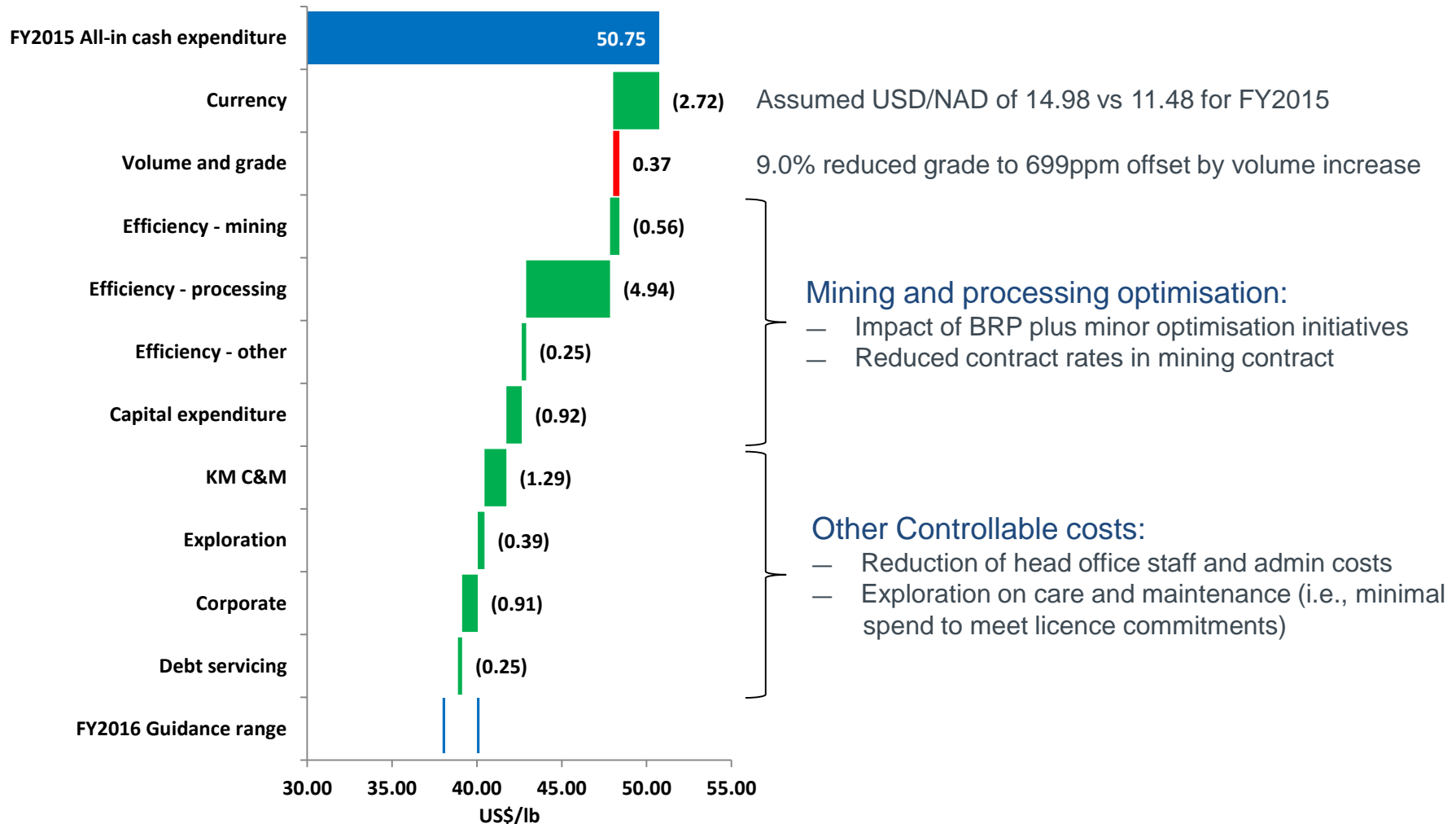


# Optimisation a Core Competency

Updated FY2016 optimisation – lower 'all in' cost guidance



All-in cash costs variance analysis (FY2016 current guidance vs. FY2015 actual)<sup>1</sup>

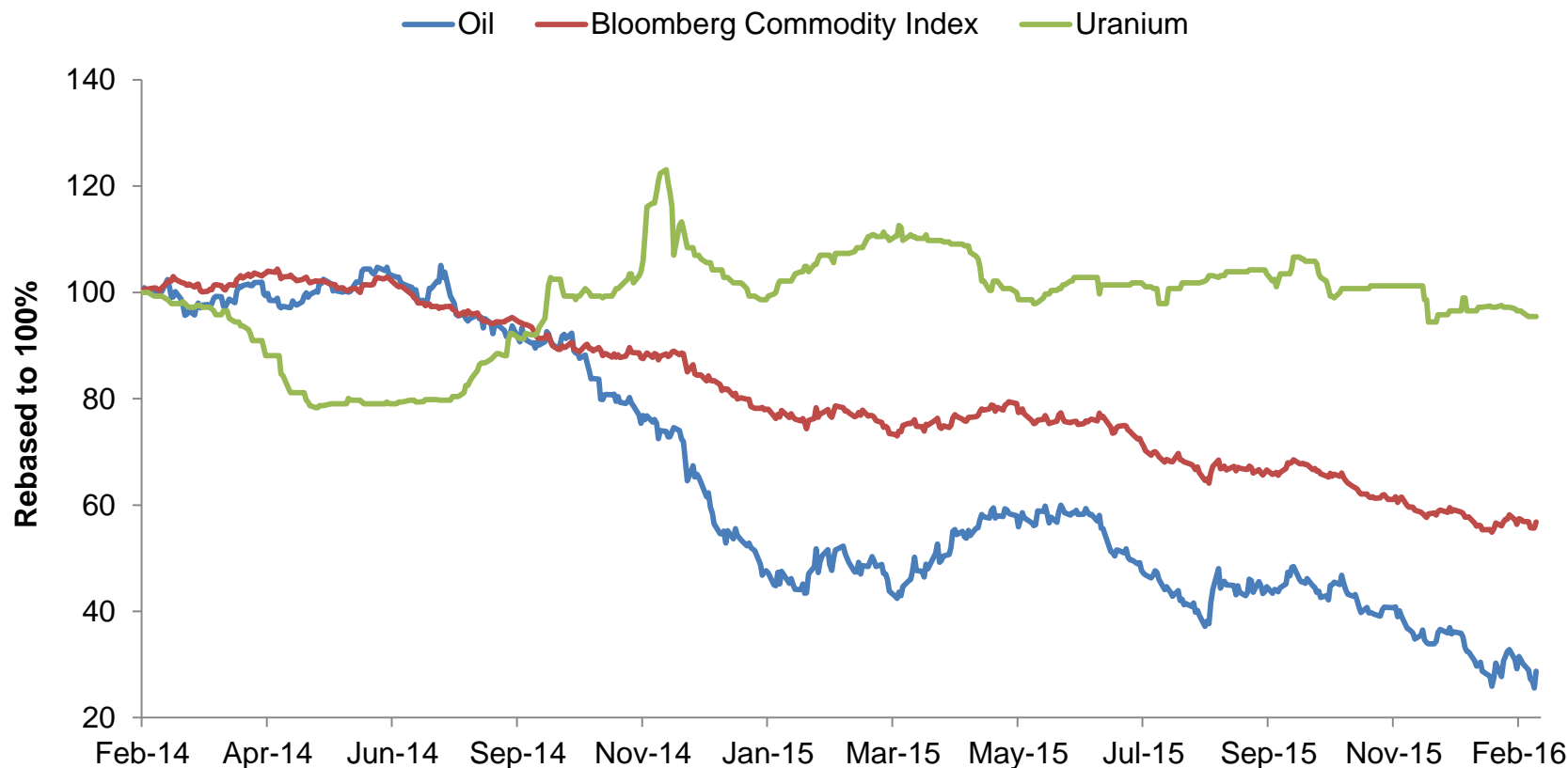


<sup>1</sup>Includes: Operating cash flows; investing cash flows; and debt servicing (including principal and interest payments on the LHM syndicated facility agreement)



# Best Leverage to Uranium Upside

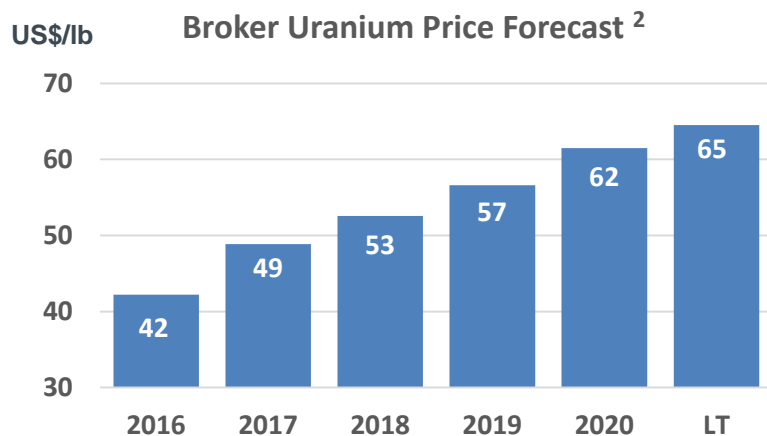
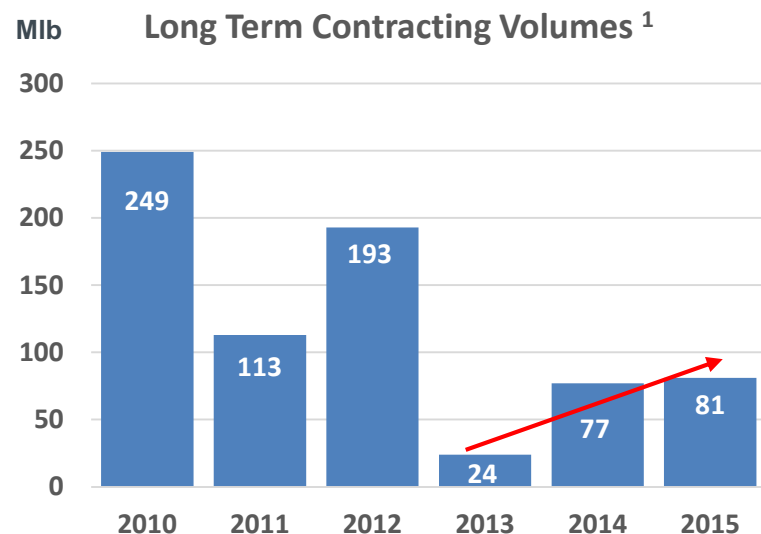
*Uranium is not affected by recent commodity rout*



Source: Bloomberg as at 12 February 2016

# Best Leverage to Uranium Upside

*Uranium market liquidity improving and outlook remains robust*



## ■ Increased market activity in 2015

- LTC volumes increased to 81Mlb (43 deals)
- Market replacement volumes need to trend to 180M to 200Mlb
- 2015 spot volumes 49.3Mlb Vs 2014 spot volumes 42.9Mlb
- Overall trading activity continues to improve compared to recent years and we believe this needs to happen for prices to normalise

## ■ Market growth continues

- 4<sup>th</sup> Japanese reactor to restart (c.8 by end 2016)
- India ratifies nuclear liability convention
- Analysts continue to anticipate market prices to nearly double over time

<sup>1</sup> UxC Weekly 8 February 2016

<sup>2</sup> Based on the average uranium price forecast by RBC, Argonaut, Scotiabank, TD, Citi, Morgan Stanley, JPMorgan, Dundee Securities, Macquarie, Deutsche Bank, BAML, Cannacord, Credit Suisse, Raymond James, UBS

## PALADIN

1. Maximise LHM operating cash flows through optimisation initiatives whilst preserving the integrity of the long-term life of mine plan
2. Maintain KM and exploration on a “minimal expenditure, care and maintenance basis”
3. Minimise corporate and administrative costs
4. Progress strategic initiatives with respect to partnerships, strategic investment, funding and corporate transactions



## **5.0-5.2M lb Production**

*vs 5.0-5.4M lb previously*

## **FY 2016 US\$4/lb**

*Full-year average ASP Premium to spot  
(no change)*

## **LHM C1 US\$24-26/lb**

*vs US\$25-27/lb previously*

## **US\$19M corporate costs, KM care and maintenance and exploration**

*US\$14M lower than FY2015  
(no change)*

## **Cash flow neutral for FY2016**

*2H FY2016 to be cash flow positive  
(no change)*

## **March Quarter**

- Sales 450,000lb – 650,000lb
- LHM C1 US\$23-25/lb
- Cash balance US\$100-110M

# Appendix



# Langer Heinrich Project Update



- **Production December Quarter**
  - 1.259 Mlb (drummed 1.264Mlb)
  - recovery 88.5% (improvement sustained)
- **C1 Cost US\$25.38/lb, on track to achieve \$25-27/lb for FY2016**
- **December C1 monthly cost US\$23.73/lb**
- **Optimisation and innovation for further unit cost reduction**
  - further application of membranes
  - other focal areas:
    - process recovery
    - operator training and operating systems
    - process plant utilisation
- **Guidance FY2016 of 5.0 - 5.2Mlb**

Actuals	Dec Quarter		Dec Half	
	FY2015	FY2016	FY2015	FY2016
Ore treated (Mt)	0.917	0.903	1.651	1.750
Ore grade (ppm)	773	714	779	710
Recovery (%)	88.2	88.5	87.0	85.5
U <sub>3</sub> O <sub>8</sub> prod'n (Mlb)	1.377	1.259	2.466	2.342
C1 (US\$/lb)	28.58	25.38	30.55	26.50



# Pipeline Projects



- **Kayelekera Mine**

- now stable in C&M
- restart feasibility study completed and under Board review
- site stable in terms of water and other environmental issues for the long term

- **Michelin Deposit Canada**

- minimum expenditure planned for FY2016

- **Manyingee WA**

- Minimum activity planned for FY2016



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