PALADIN ENERGY LTD

Broker Roadshow April 2020

PALADIN

Ian Purdy – Chief Executive Officer

Disclaimer and notes

JORC and NI 43-101 Mineral resources and ore reserves

This presentation contains summary information about the Company's activities current as at the date of this presentation. The information in this presentation is of a general background nature and does not purport to be complete or contain all the information investors would require to evaluate their investment in the Company, nor does it contain all the information which would be required in a prospectus or product disclosure statement prepared in accordance with the Corporations Act 2001 (Cth). The Company is not responsible for updating, nor undertakes to update, this presentation. This presentation should be read in conjunction with the Company's other periodic and continuous disclosure announcements, available at http://www.paladinenergy.com.au.

This presentation includes 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 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 the expectations expressed in the forward-looking statements. Factors that could cause actual results to differ materially from the expectations expressed those in forward looking statements include market prices, exploitation and exploration successes, continued availability of capital and financing and general economic, market or business conditions and risk factors associated with the Uranium industry generally.

Investors are cautioned that any such statements are not guarantees of future performance and actual results or developments may differ materially from those projected in the forward-looking statements. Readers should not place undue reliance on forward-looking information. The Company does not assume any obligation to update or revise its forward-looking statements, whether as a result of new information, future events or otherwise. No representation is made or will be made that any forward-looking statements will be achieved or will prove to be correct.

In this 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 information in this presentation relating to the Mineral Resources and Ore Reserves for all of the Company's deposits other than Langer Heinrich, Michelin, Jacques Lake and Manyingee was prepared and first disclosed under the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that this information has not materially changed since it was last reported. Refer to the Resource and Reserve Tables slide in the Appendix of this presentation.

Competent Persons Statement

The information contained within this presentation is extracted from the reports titled '30 June 2019 Annual Report' dated 27.08.2019 and 'Prefeasibility Study Delivers Improved Financials and Production Capacity for Langer Heinrich' dated 14.10.2019 and both are available to view on www.paladinenergy.com.au. The Company confirms that it is not aware of any new information or data that materially affect the information included in the original announcement and, in the case of Mineral Resources or Ore Reserves, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The company confirms that the form and context in which the Competent Person's findings are presented have not materially modified from the original market announcement.



Why Paladin?



Paladin has streamlined the company with the sole focus on the restart of the globally significant Langer Heinrich operation in mining friendly Namibia



Our existing infrastructure, historic mine development and 10-year operations track record provides Paladin an early mover option in an improving uranium price market



Paladin has a strong financial position with US\$35.8M in cash reserves and a FY2021 cash spend forecast of <US\$10M



There is a growing structural U_3O_8 supply deficit in the global uranium market which is being exacerbated by COVID 19 production disruptions



The company has completed an extensive Restart Pre-Feasibility Study that confirms Langer Heinrich's competitiveness with other large-scale suspended uranium operations

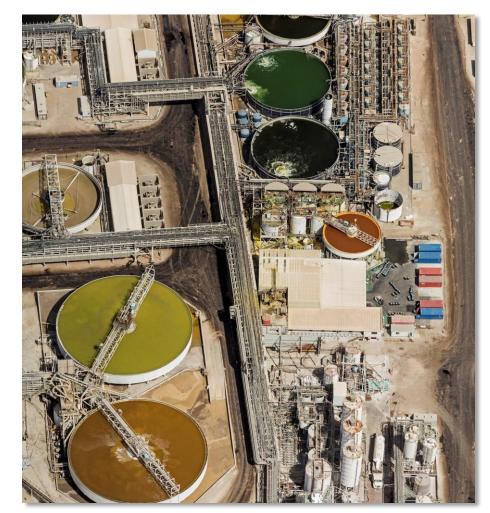


We have the right team to deliver & execute the Company's strategy



Strong financial position

- US\$35.8M of Unrestricted Cash^{1,2} provides extended runway for Paladin to execute its strategy
- Significantly reduced cash burn with FY2021 forecast < US\$10M (FY2020 guidance US\$17M) delivered by:
 - Sale of Kayelekera mine
 - Optimised care & maintenance costs at Langer Heinrich
 - Reduced levels of feasibility work
- US\$6M cash due from the sale of Kayelekera mine over the next 3 years (repayment of environmental bond)
- US\$142.2M of senior debt¹ including accrued interest, repayment due January 2023
- Paladin will only consider a restart of the Langer Heinrich operation when it secures uranium term-price contracts with sufficient tenure and value to deliver an appropriate level of return to stakeholders



As at 31 March 2020
 Restricted Cash US\$1M

ALADIN

Langer Heinrich

A Globally Significant Uranium Operation

Langer Heinrich operation overview

- A strategic, tier one mine with a historical production capacity of 5.2Mlb pa U_3O_8
- Paladin suspended operations in May 2018 due to low uranium prices
- Paladin owns 75% (25% owned by CNNC Overseas Uranium) Holding Limited)
- Fully permitted and licensed with a 17-year production life remaining
- Our relationships and uranium product are market proven with the company having produced and marketed 43Mlb of U_3O_8 equivalent over 10 years

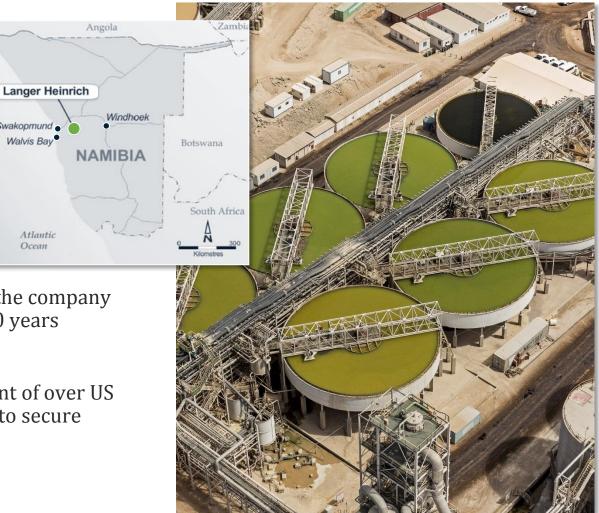
Swakopmund

Walvis Bay

Atlanti

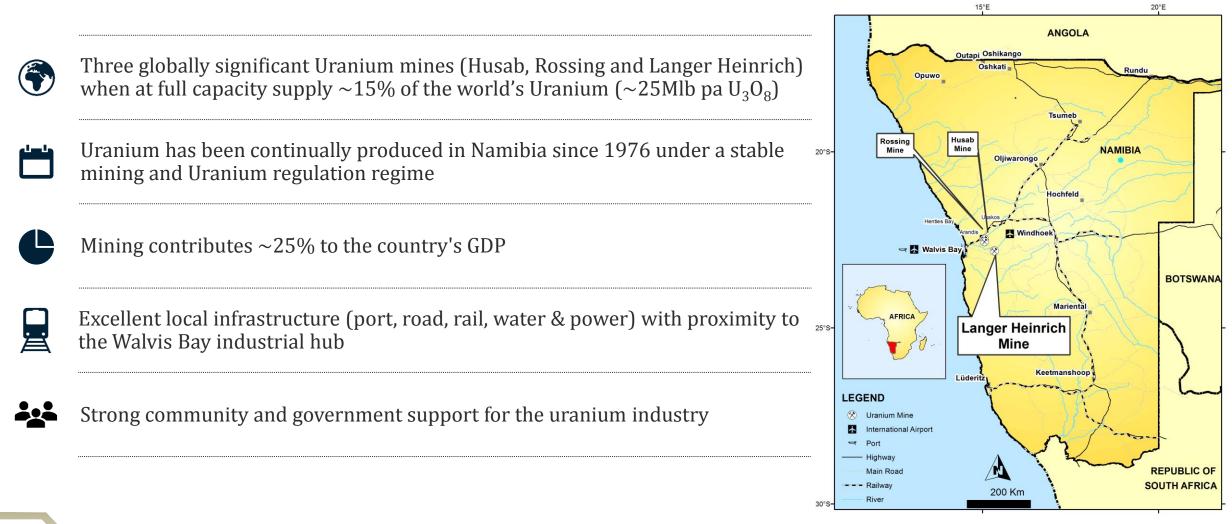
Ocean

- Proven top 10 Uranium mine by volume when in production¹
- To build Langer Heinrich today would require a capital investment of over US \$600M (plus working capital) and take approximately five years to secure approvals, plan, design, construct and commission





Namibia is a premier uranium jurisdiction





Restart Pre-Feasibility Study complete

PALADIN ENERGY LTD

Langer Heinrich Uranium Mine

Prefeasibility Study Part 1 Report October 2019



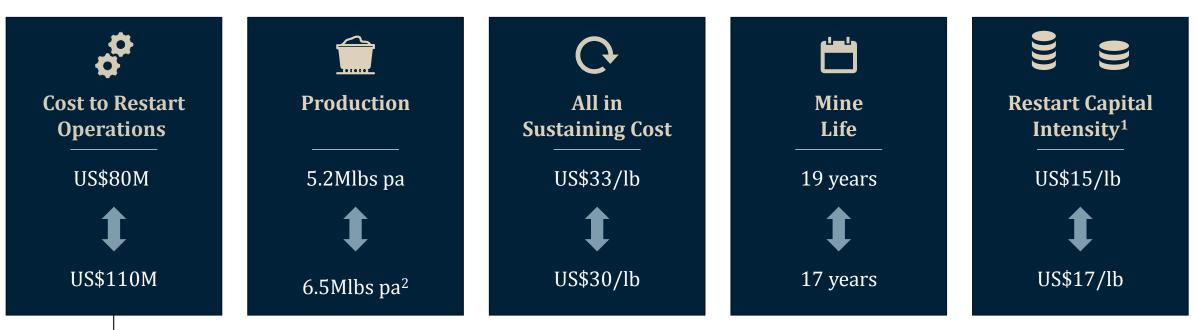
- RC drilling programme provided assurance on high grade mineral resources and stockpiled ore
- Geo-metallurgical testwork programme
- Detailed production restart plan including costs and ramp up schedule
- Processing bottlenecks and growth options identified
- Management systems assessed and optimised
- Process control automation program defined



Externally reviewed and verified by AMC Consultants and PQ Partners

- Substantial body of work:
 - Six-month programme
 - 99,000 labour hours
 - Over 100 contributors
 - US\$4.8M cost





12-month lead time to first production after a restart decision is made

• Production restart costs (restock reagents, workforce recruitment, recommissioning, mobilisation of equipment, tailings dam and other operational readiness) - US\$42M

- Repairs and asset integrity improvements US\$38M
- Growth capital improvements to increase production rate up to US\$30M

1. Capital restart costs divided by annual production volume 2. Average for first five years restarted production



Langer Heinrich restart & debottlenecking plan underway



Restart & Debottlenecking Plan is currently underway and focused on:

- Pre-Feasibility Study (PFS) outcomes being stress tested to maximise financial returns
- Plant reliability and de-risking restart activities
- Future operational and financial projections being reconciled to historical operational performance
- "Base Case" restart plan to be defined and will fall within the range of economic parameters detailed in the PFS



Detailed ASX market update to be released in Q4 FY2020 with key economic parameters



Why Uranium?

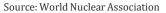
Positive Structural Dynamics

TYPE

Structural supply deficit



World Nuclear Association Supply Shortage Graph Tonnes U



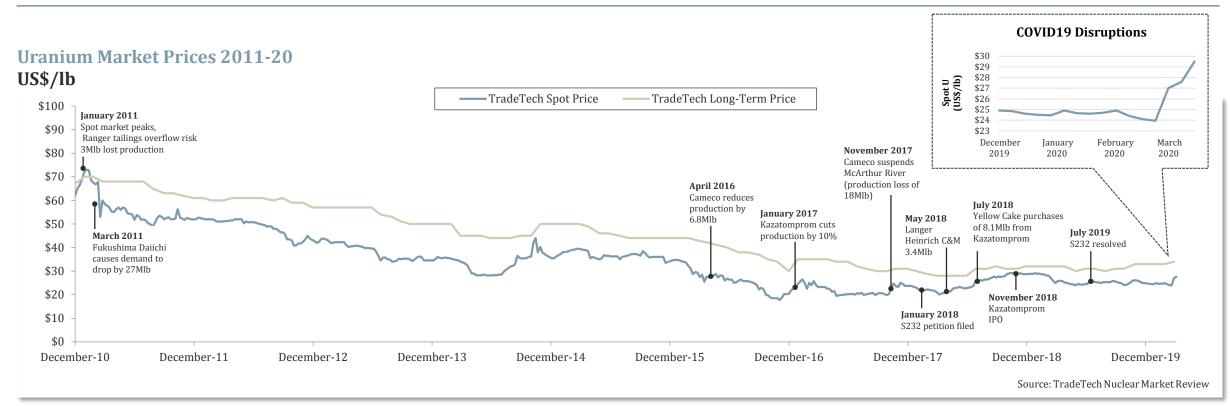
- Current uranium supply unable to meet current demand
- Net increase in new nuclear reactors forecast to be built by 2040, after allowing for projected reactor closures (+135)
- Re-start of idled mine capacity and the development of planned & prospective mines requires incentive prices of US\$40-80/lb



- Since 2012, utilities have been "under buying" at an average rate of 90Mlb per year relative to consumption
- US and European utilities have largely rundown stockpiles and contract positions put in place pre-Fukushima
- Asian utilities have higher stockpiles than their Western counterparts, but these are also decreasing



Current pricing unsustainable



Uranium Prices

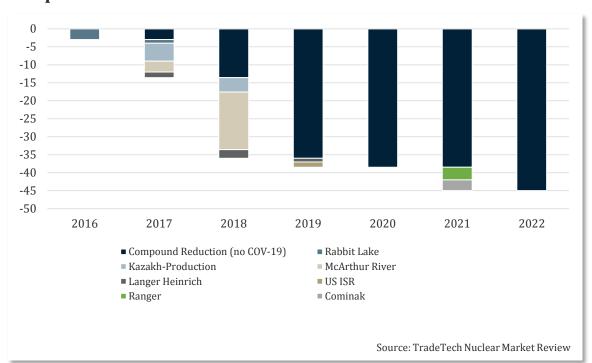
- Spot uranium prices have declined approx. 60% since the Fukushima nuclear accident
- Term prices have been below US\$40/lb since mid-2016
- Current pricing is sub-economic for existing producers and below incentive pricing for suspended operations

COVID 19 Disruptions

- Mining operations have been disrupted at Cigar Lake, Kazatomprom and Namibian operations
- Suspensions are exacerbating the structural supply deficit
- Upward movement in the spot market price may be a precursor to term market activity



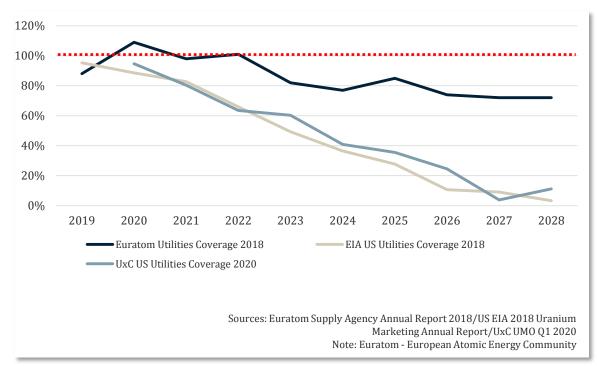
Impact of sub-economic pricing



Cumulative Primary Supply Cuts Mlb pa

 Primary uranium production cut-backs announced since 2016 total 45Mlb pa (excluding COVID disruptions)

Future Contracted Coverage Rates of US & European Utilities Contract coverage (% of total requirements)



- US contract coverage reaching critical lows
- Minimal change in contract coverage since 2018



Paladin Investment Conclusion

Paladin is poised to take advantage of improving Uranium market

- Growing structural supply deficit
- Primary production cuts continuing
- US utility contract coverage reaching critical lows
- COVID19-related disruptions further tightening supply

Langer Heinrich is competitively positioned versus other suspended mines

- 12-months to recommence production from decision to restart
- Modest restart costs and competitive operating costs
- Proven product quality
- Globally significant operation
- Lower incentive price than greenfields projects

Strong Financial Position

- Significant runway to execute strategy
- Greatly reduced cash burn rate and significant cash on hand
- Disciplined and patient approach
- Flexibility to respond to market conditions



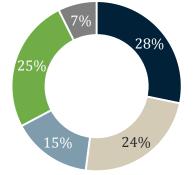
Appendix

Market Snapshot ASX: PDN

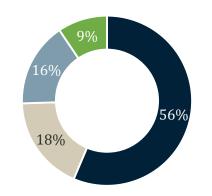
Shares on issue	2.027B
Share price (as at 14 April 2020) A\$	0.093c
Market capitalisation A\$	188.6M
Market capitalisation US\$ ¹	116.9M
Unrestricted cash US\$ ²	35.8M
Debt US\$ ³	142.2M

A Supportive Shareholder Base⁵

Geographic split



Top 50 holders own 90% of shares



• Australia • Asia • North America • UK/EU • RoW

Top 10 = Top 20 = Top 50 = Remaing Holders

Major Shareholders ³	
Tembo Capital Management Ltd	12.90%
Paradice Investment Management Pty Ltd	9.52%
Value Partners Ltd ⁴	6.86%
Hopu Clean Energy (Singapore) Pte. Ltd.	5.94%

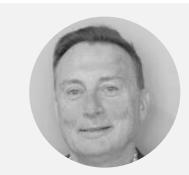
Specialist Uranium Funds ³	
Sachem Cove Partners, LLC	3.77%
Segra Capital Management, LLC	3.41%
 A\$/US\$ exchange rate 0.62 As at 31 March 2020. Restricted Cash US\$1M As at 31 March 2020 As at 8 April 2020 As at 29 February 2020 	





Cliff Lawrenson Non-Executive Chairman

Mining executive with deep expertise in the minerals and energy sectors derived from global experience having worked extensively in project development and investment banking. A successful track record of leading strategic direction in companies and executing corporate transactions.



Peter Main Non-Executive Director

Mining and finance professional with extensive experience of the financial markets with a wealth of industry experience, having spent almost 15 years in a variety of roles in the mining industry from operations through to CEO of a TSX-V listed mining company.



Peter Watson Non-Executive Director

Chemical engineer with extensive experience in the global resources sector across senior technical, project, and management roles as well as running ASX-listed companies. His experience includes project development, project delivery, asset optimization and mining facilities operations across multiple commodities and global jurisdictions.



Ian Purdy Chief Executive Officer

Highly-respected executive with over three decades' experience within Australian and international resources companies. He has delivered significant shareholder value through managing and optimizing operations, delivering large projects and executing on business improvements and asset sales. He also has extensive capital markets experience and a proven track record of delivering company funding requirements.





Anna Sudlow Chief Financial Officer

Highly qualified CFO with 25 years of experience across the energy and resources sectors specialising in corporate finance and funding, commercial management and investor relations. Her experience includes roles at ASX listed companies in senior leadership positions with a focus on finance and commercial.



Michael Drake Chief Operating Officer

Mining Professional with 25 years of experience in diversified studies, projects and operational leadership roles which included executive leadership roles in Australia, South America, Papua New Guinea and Indonesia with a range of large Australian companies and in diversified operations.



Gary Stoker Principal Uranium Marketing Consultant

Uranium marketing professional with over 30 years' experience in the nuclear fuels industry, working with Paladin in various capacities since 2008. Previously, co-founded a Uranium asset management company with prime responsibility for the management of nuclear fuels trading portfolios. Has worked as an investment advisor to a Uranium fund.

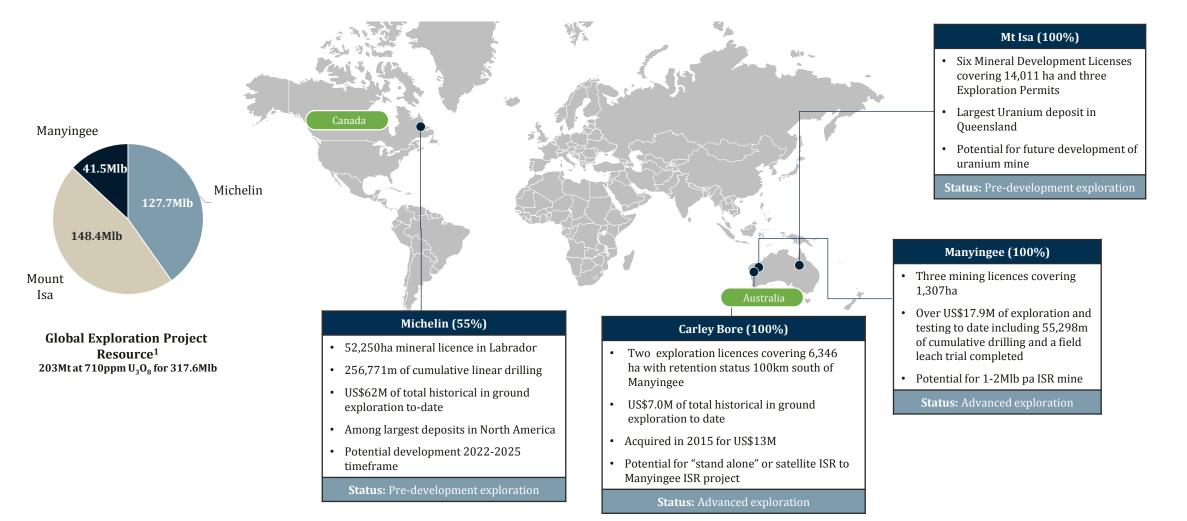


Andrea Betti Company Secretary (Consultant)

Accounting and corporate governance professional with over 20 years' experience in accounting, corporate governance, corporate advisory, finance and corporate banking, and has acted as Chief Financial Officer and Company Secretary for companies in the private and publicly listed sectors.



A quality global suite of exploration assets



¹ Measured, indicated and inferred resources for the Michelin, Mount Isa and Manyingee Projects (including Carley Bore) on a 100% Project basis as at June 2018. Source: Paladin Research



Resource & reserve tables

30 June 2019

Ore Reserves		Mt	Grade ppm U ₃ O ₈	Mlb U ₃ O ₈	Paladin Ownership (%)
Namibia	Langer Heinrich				
Proven ¹⁶		42	525	48.5	75
Probable ¹⁶		13.1	485	14	75
Stockpiles ¹⁶		30.8	355	24	75
Total Namibia		85.9	455	86.5	75

Vanadium Mineral R	esources	Mt	Grade ppm V ₂ O ₅	Mlb V ₂ O ₅ (100% basis)	Paladin Ownership (%)
Namibia	Langer Heinrich				
Measured ¹		66.2	160	23.3	75
Indicated ¹		18.8	140	5.8	75
Inferred ¹		6.3	135	1.9	75
Stockpiles ¹		30.8	115	7.8	75
Total Namibia		122.1	145	38.8	75

¹Refer ASX Announcement dated 14.10.2019 "Prefeasibility Study Delivers Improved Financials and Production Capacity For Langer Heinrich" p6; ²Refer ASX Announcement dated 21.11.08 ⁵Significant Resource Upgrade for Kayelekera'; ³Refer ASX Announcement dated 31.01.2018 "Correction to 30 June 2017 Annual Report" pp13-15; ⁴Stefer SEDAR lodgment (TSX:FRG) dated ⁶Significant Resource Upgrade for Sayelekera'; ³Refer ASX Announcement for Michellin Uranium Project'; ⁵Refer Announcement (ASX:SMM) dated 19.10.2010 "Resource Upgrade for the Valhalla ¹Uranium Deposit"; ⁶Refer ASX Announcement dated 16.04.2012 "Quarterly Activities Report for period ending 31 March 2012"; ¹Refer ASX Announcement dated 15.04.2011 "Quarterly Activities Report for period ending 31 December 2011"; ¹⁶Refer ASX Announcement dated 31.03.2012 "Quarterly Activities Report for period ending 31 December 2011"; ¹⁰Refer ASX Announcement dated 13.07.2012 "Quarterly Activities Report for period ending 31 December 2011"; ¹⁰Refer ASX Announcement dated 14.01.2014 "Manyingee Minerals Resources - Amendment"; ¹¹Refer ASX Announcement dated 12.02.2014 "Energia Delivers Significant Uranium Resource Upgrade'; ¹²Refer ASX Announcement dated 14.01.2014 "Manyingee Minerals Resources - Amendment"; ¹³Refer ASX Announcement dated 29.08.2013 "30 June 2012 annual Report" p27; ¹³Refer ASX Announcement dated 31.09; ¹⁵Refer ASX Announcement dated 29.08.2013 "30 June 2012 Annual Report" p27; ¹⁵Refer ASX Announcement dated 32.00, ¹⁵Refer ASX Announcement dated 29.08.2013 "30 June 2013 Annual Report" p24; ¹⁶Refer ASX Announcement dated 27.08.2019 "30 June 2012 Annual Report" p27 and 129; ¹⁵Refer ASX Announcement dated 29.08.2013 "30 June 2013 Annual Report" p24; ¹⁶Refer ASX Announcement dated 27.08.2019 "30 June 2013 Annual Report" p14.

The Group is not aware of any new information or data that materially affects the information in the relevant market announcements all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed.

Mineral Resource		Mt	Grade ppm U308	Mlb U308 (100% basis)	Paladin Ownershi
Namibia	Langer Heinrich				
Measured ¹		66.2	490	71.9	75
Indicated ¹		18.8	435	18.0	75
nferred ¹		6.3	420	5.8	75
Stockpiles ¹		30.8	355	24.0	75
Total Namibia		122.1	445	119.7	75
<u>Canada</u> Measured	Michelin ³	17.6	965	37.6	55
vieasureu	Rainbow ⁴	0.2	920	0.4	55
Indicated	Gear ⁴	0.4	770	0.6	55
indicated	Inda ⁴	1.2	690	1.8	55
	Jacques Lake ³	13.0	630	18.0	55
	Michelin ³	20.6	980	44.6	55
	Nash ⁴	0.7	830	1.2	55
	Rainbow ⁴	0.8	860	1.4	55
Inferred	Gear ⁴	0.3	920	0.6	55
	Inda ⁴	3.3	670	4.8	55
	Jacques Lake ³	3.6	550	4.4	55
	Michelin ³	4.5	985	9.9	55
	Nash ⁴	0.5	720	0.8	55
	Rainbow ⁴	0.9	810	1.6	55
Total Canada	Kallibuw	67.6	860	1.0	55
Australia		07.0		12/./	
Measured	Valhalla ⁵	16.0	820	28.9	100
Indicated	Andersons ⁶	1.4	1,450	4.6	100
	Bikini ⁷	5.8	495	6.3	100
	Duke Batman ⁸	0.5	1,370	1.6	100
	Odin ⁹	8.2	555	10.0	100
	Skal ¹⁰	14.3	640	20.2	100
	Valhalla ⁵	18.6	840	34.5	100
	Carley Bore ¹¹	5.4	420	5.0	100
	Manyingee ¹²	8.4	850	15.7	100
Inferred	Andersons ⁶	0.1	1,640	0.4	100
	Bikini ⁷	6.7	490	7.3	100
	Duke Batman ⁸	0.3	1,100	0.7	100
	Honey Pot ¹³	2.6	700	4.0	100
	Mirrioola ¹⁴	2.0	560	2.5	100
	Odin ⁹	5.8	590	7.6	100
	Skal ¹⁰	1.4	520	1.6	100
	Valhalla ⁵	9.1	640	1.6	100
	Watta ¹⁵	5.6	400	5.0	100
	Warwai ¹⁵	0.4	360	0.3	100
	Carley Bore ¹¹	17.4	280	10.6	100
	Manyingee ¹²	5.4	850	10.2	100
Total Australia		135.4	635	189.9	100



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