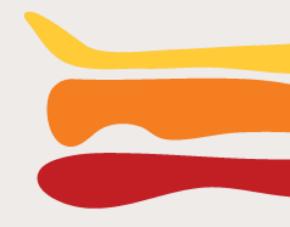


# Uranium<br/>Sentiment shifting.

Brandon Munro, CEO November 2018



### **Important notices**



#### **Technical disclosures and forward looking disclaimers**

Certain disclosures in this report, including management's assessment of Bannerman's plans and projects, constitute forward looking statements that are subject to numerous risks, uncertainties and other factors relating to Bannerman's operation as a mineral development company that may cause future results to differ materially from those expressed or implied in such forward-looking statements. Full descriptions of these risks can be found in Bannerman's various statutory reports, including its Annual Information Form available on the SEDAR website, sedar.com. Readers are cautioned not to place undue reliance on forward-looking statements. Bannerman expressly disclaims any intention or obligation to update or revise any forward-looking statements whether as a result of new information, future events or otherwise.

Mineral Resources include Ore Reserves (Mineral Reserves).

Mineral Resources which are not Ore Reserves (Mineral Reserves) do not have demonstrated economic viability.

#### Competent person's statement

The information in this report relating to the Mineral Resources of the Etango Project is based on information prepared by Mr Ian Glacken, extracted from the Company's National Instrument 43-101 – Standards of Disclosure for Mineral Projects technical report entitled "Etango Uranium Project Optimisation Study", dated 24 December 2015 and the report entitled "Etango Uranium Project Optimisation Study November 2015" filed on 11 November 2015, which are available to view on the Company's SEDAR profile at www.sedar.com, and website at www.bannermanresources.com.au (the "Technical Reports"). Mr Glacken is a Fellow of The Australasian Institute of Mining and Metallurgy. Mr Glacken is a full-time employee of Optiro Pty Ltd. Mr Glacken has sufficient experience relevant to the style of mineralisation and types of deposits under consideration and to the activity which is being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves", and a Qualified Person as defined by Canadian National Instrument 43-101. Mr Glacken consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information in this report relating to the Ore Reserves of the Etango Project is based on information prepared by Mr Werner Moeller, extracted from the Technical Reports. Mr Moeller is a Fellow of The Australasian Institute of Mining and Metallurgy. Mr Moeller is a full time employee of Qubeka Mining Consultants cc. Mr Moeller has sufficient experience relevant to the style of mineralisation and types of deposits under consideration and to the activity which is being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves", and a Qualified Person as defined by Canadian National Instrument 43-101. Mr Moeller consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information in this report pertaining to Mineral Resources and Ore Reserves for the Etango deposit is extracted from the Technical Reports. The company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources or Ore Reserves, which 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 been materially modified from the original market announcement.

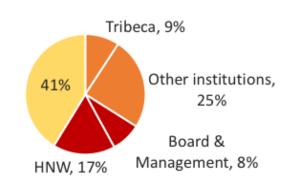
All material assumptions detailed in this report and underpinning the production target and forecast financial information in the DFS Optimisation Study (as previously announced on 11 November 2015 in compliance with Listing Rule 5.16 and 5.17) continue to apply and have not materially changed.

### Bannerman at a glance (BMN:ASX)

#### **Capital structure** A\$0.05 **ASX** share price 12 month share price range A\$0.034 - A\$0.077 1.030 million Shares on issue **Market capitalisation** A\$50M Options and performance rights ~105 million Average daily volume (ASX, shares) 2.5 million A\$7.7M Cash (30 September 2018) Debt A\$0M

#### Share register (at 28 September 2018)

**Board** 



Independent Chairman	Ronnie Beevor
Chief Executive Officer/MD	Brandon Munro
Independent NED	Mike Leech

Independent NED Ian Burvill

NED Clive Jones

Etango uranium project, Namibia (271Mlbs\* U<sub>3</sub>O<sub>8</sub> resource). Sector leading valuation leverage to uranium price increases. Largest advanced, unaligned uranium project in the world.

\* See resources and reserves statement in Appendix C





Decade long surplus swinging to deficit in 2018

Supply disruption dislodging spot prices

**Sentiment shifting** 

Financial players to balance market

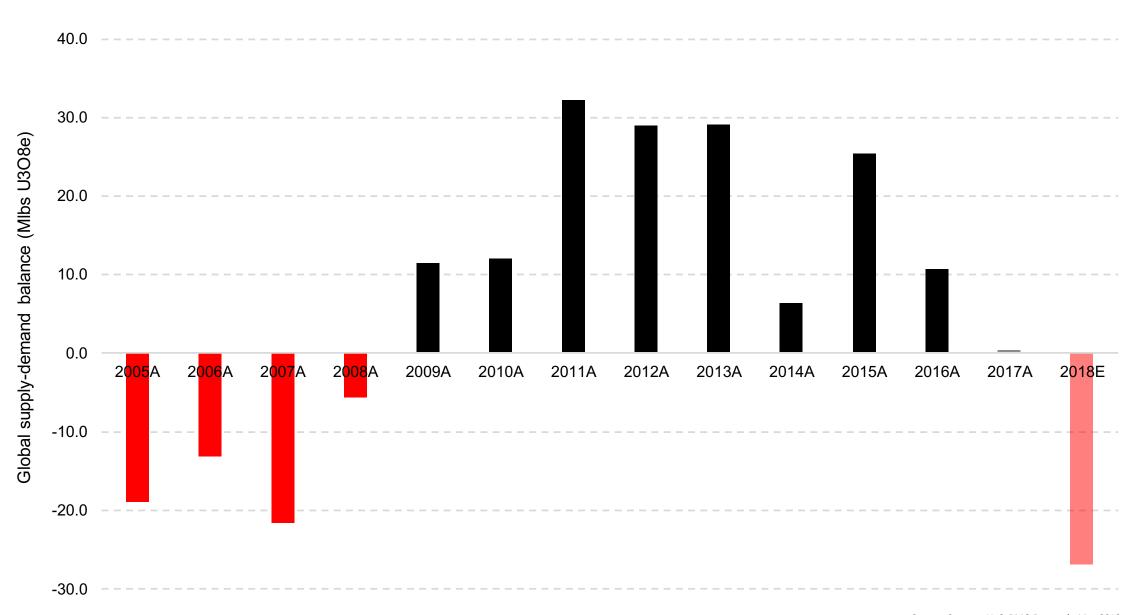
Geo-politics restraining utilities from contracting

Demand momentum continues to build

Spot price correction has started. Fundamentals favour volatility.

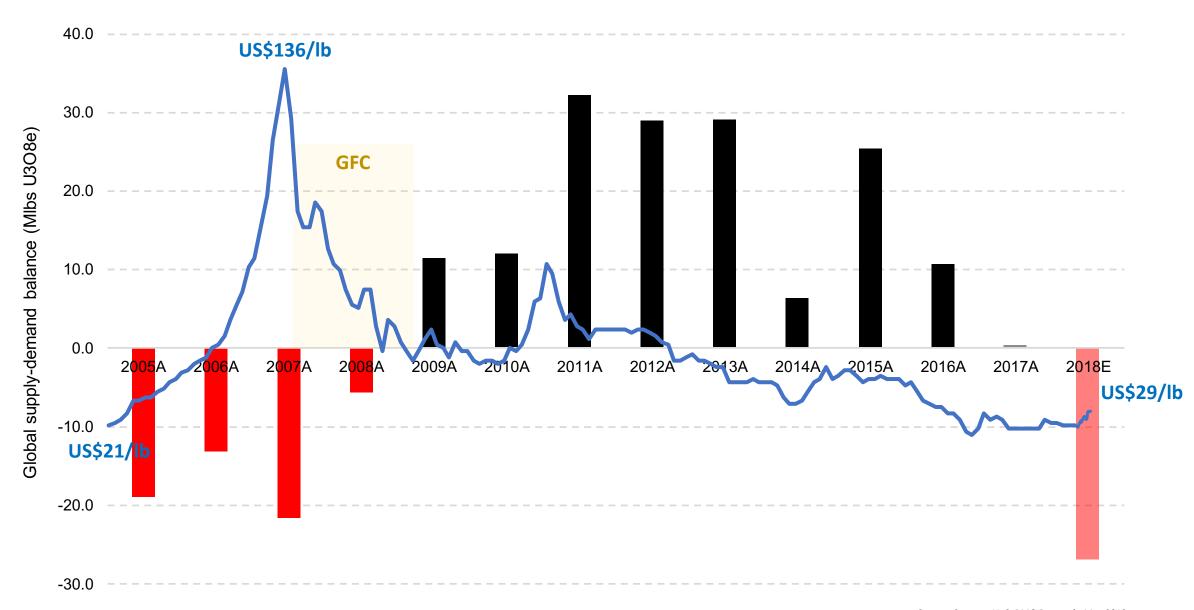
### Headed for deficit for the first time in almost 10 years...





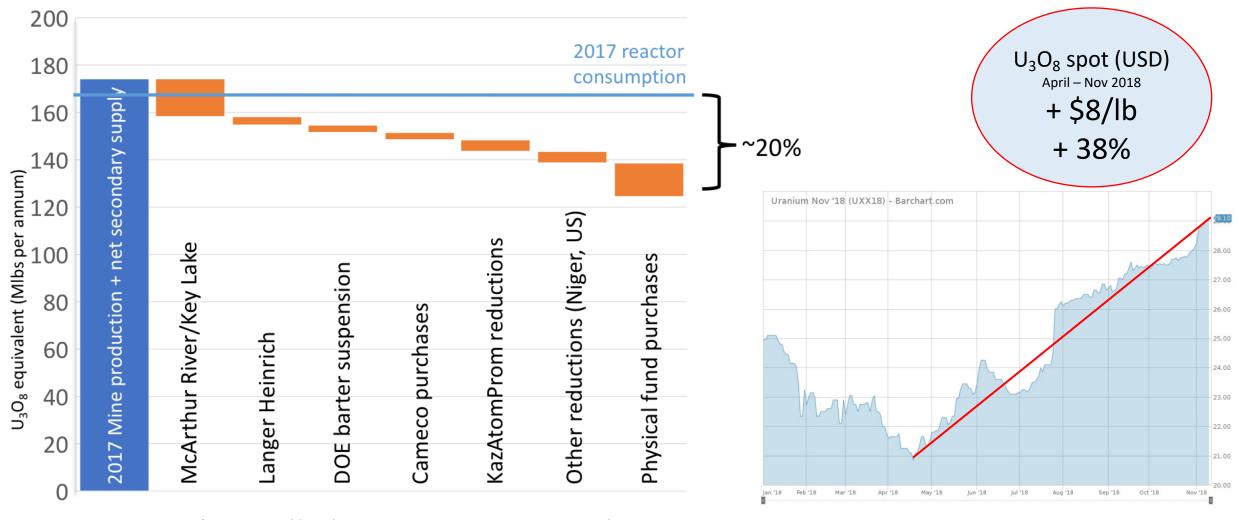
### ...and from a similar starting point, look what happened last time!





### Supply disruption dislodging spot prices



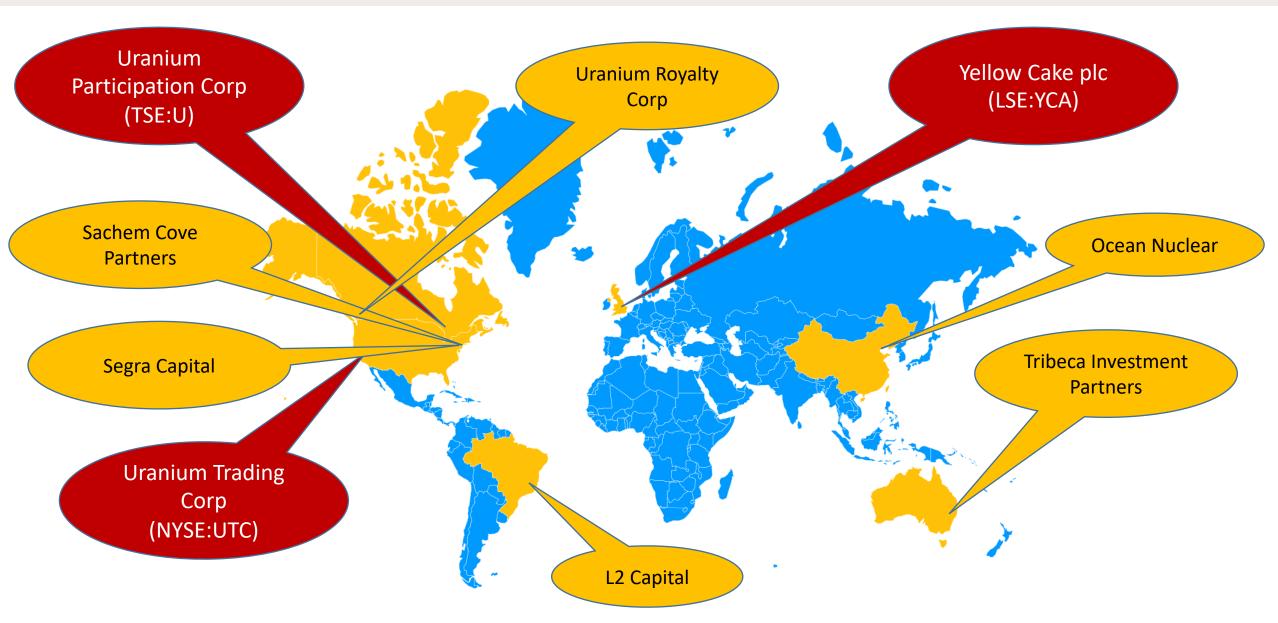


<sup>\*</sup> Source: World Nuclear Association, Bannerman Resources Ltd estimates

Annualised supply disruption exceeds 20% of market (35 Mlbs)

### Financial players to balance the market





### **Geo-politics restraining utilities from contracting**



### Utility procurement programs on hold

- s232 Trade Investigation stalled US contracting
- s232 uncertainties will to run into mid-2019
- Geo-political uncertainty (US-China-Russia)
- Utility comfort from inventory levels
- Utilities complacent about physical investors

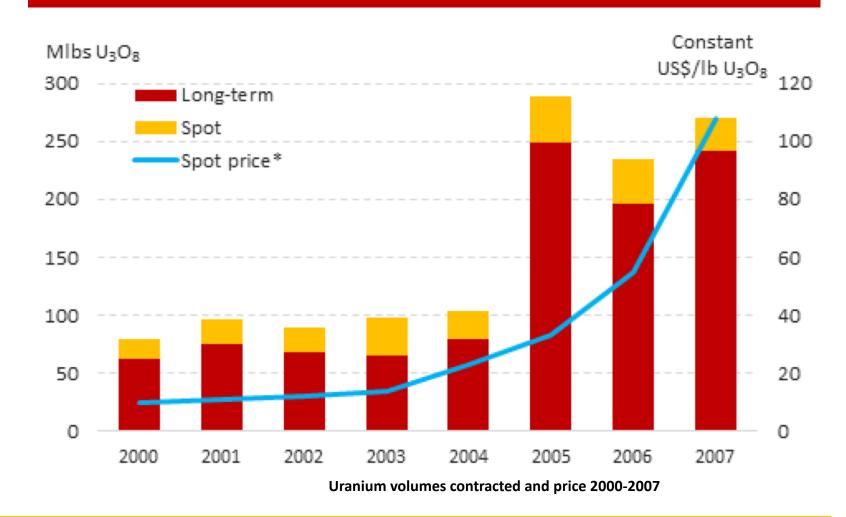
# Price inertia creates systemic production loss

- Low prices are forcing lasting supply cuts
- Closures will last 2-3+ years
- Tier 1 asset reserves depleting
- Majors suspended capex, juniors can't develop

### Term contracting impetus to intensify

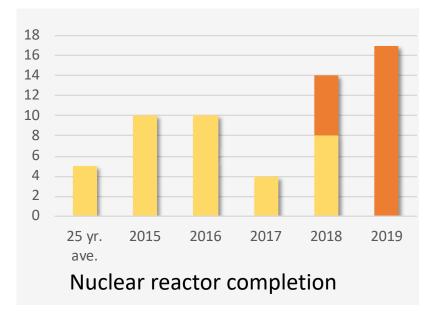
- Legacy contracts (high prices) rolling off
- Limited term contracting in recent years
- Uncovered requirements building from 2020
- After s232, contracting impetus acute
- 665 Mlbs of demand uncovered to 2027

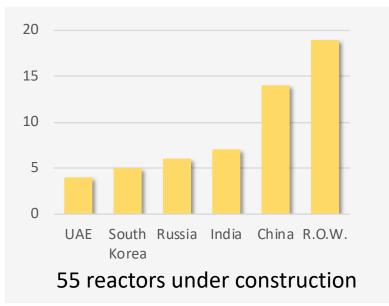
### Recent history offers insights into market behaviour

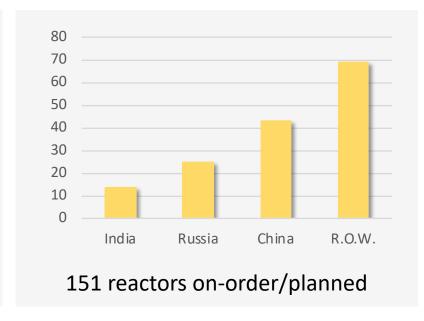


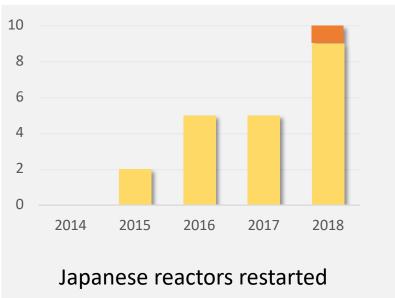
### **Demand momentum building**



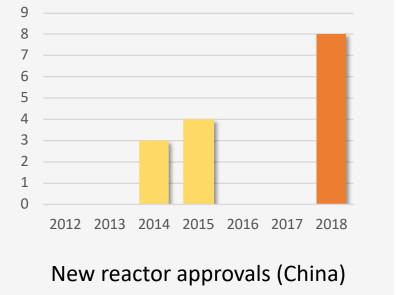










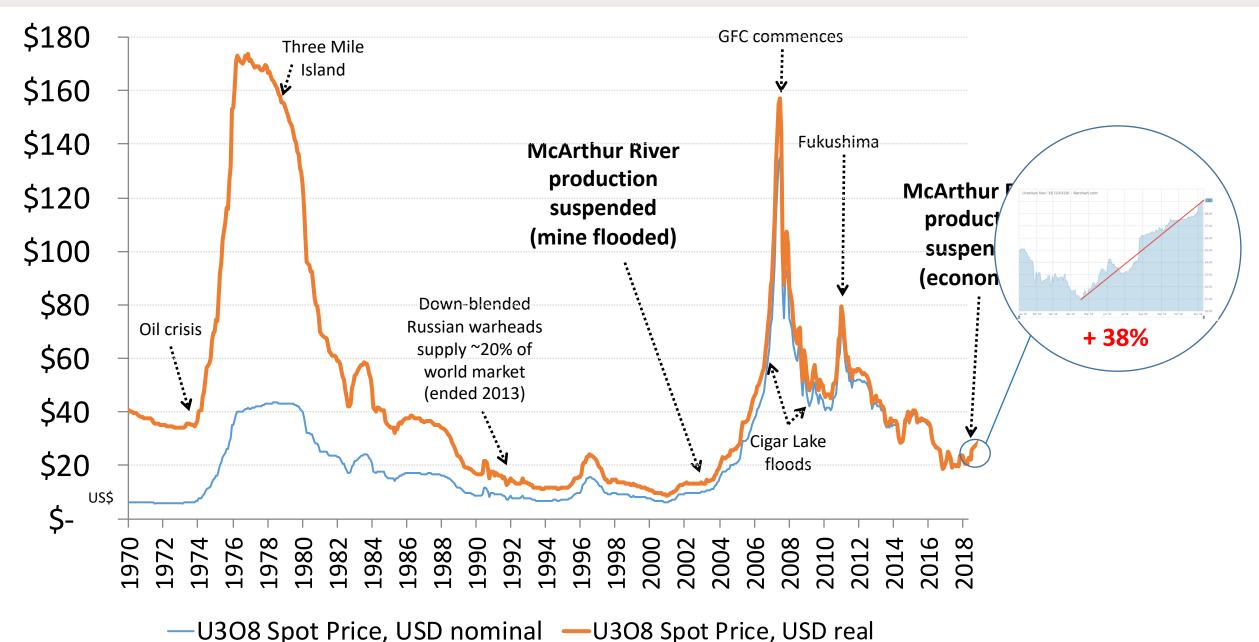


\* Source: World Nuclear Association (Oct. 2018), Bannerman Resources Ltd estimates

Actual Forecast

### In a sector famed for catalyst response, a correction still required













Leveraged to price



Low non-financial risks



Strategic appeal



Leadership can deliver

## Bannerman is the ideal uranium bull market exposure







### Bannerman has a long track record in uranium



### Bannerman has a long track record in uranium





Uranium (only) since 2006



Operating in Namibia since 2006



Deep sector experience



History of institutional support

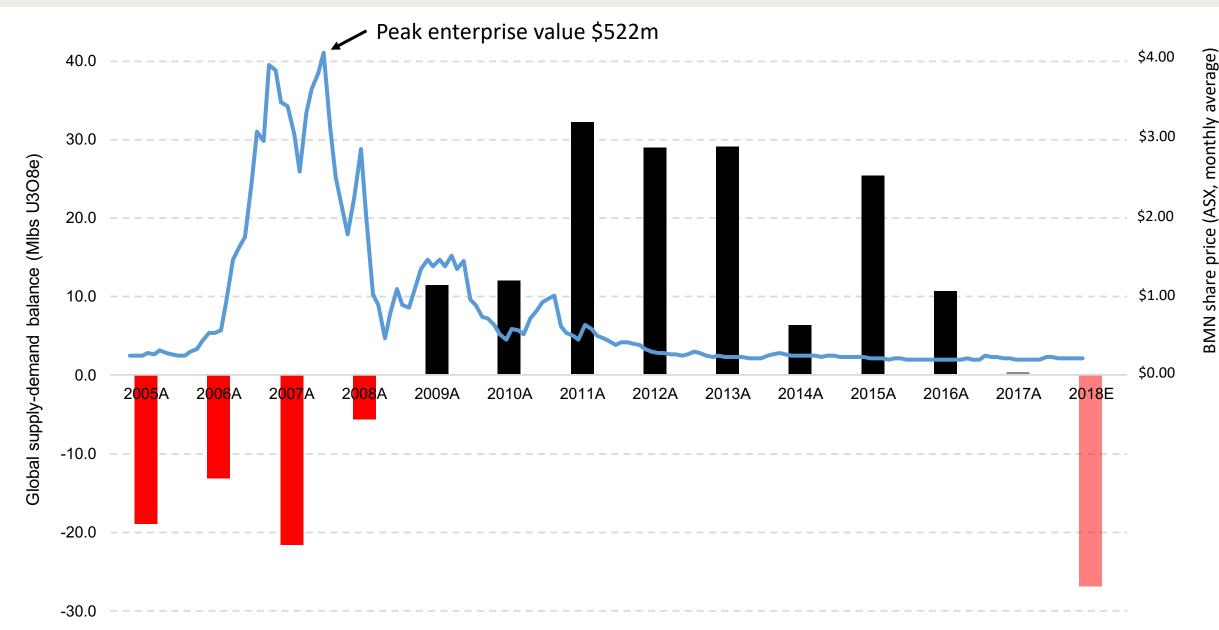


Nuclear industry profile



Established credibility and leverage

### Bannerman has a long track record in uranium





# Leveraged to price

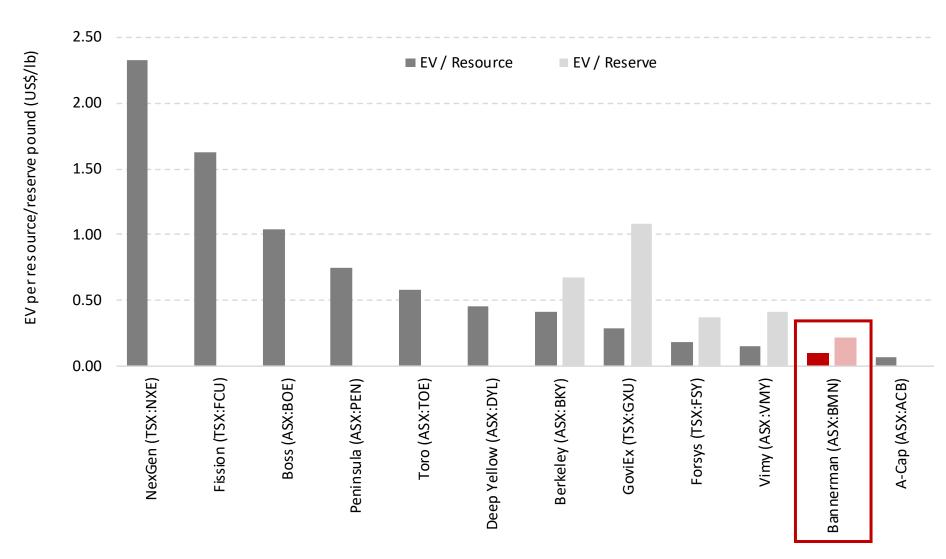
Bannerman offers sector leading valuation leverage to a uranium price correction



### **Outstanding in-ground price leverage**

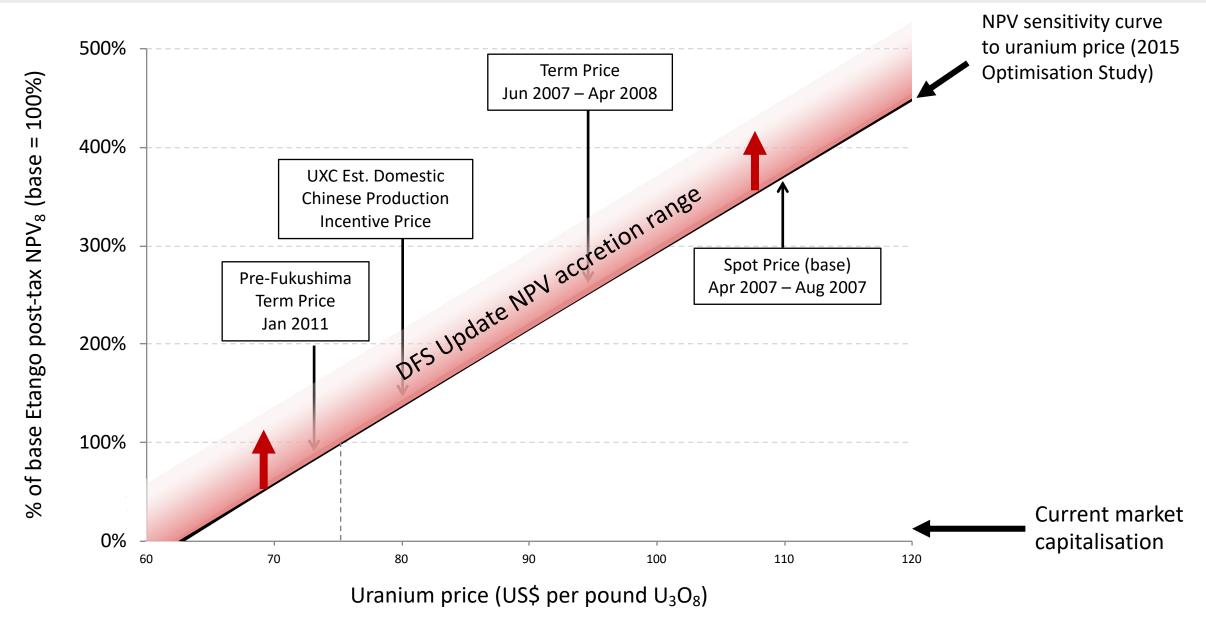


### **Enterprise value to global resource/reserve base**



### **Sector leading valuation leverage**







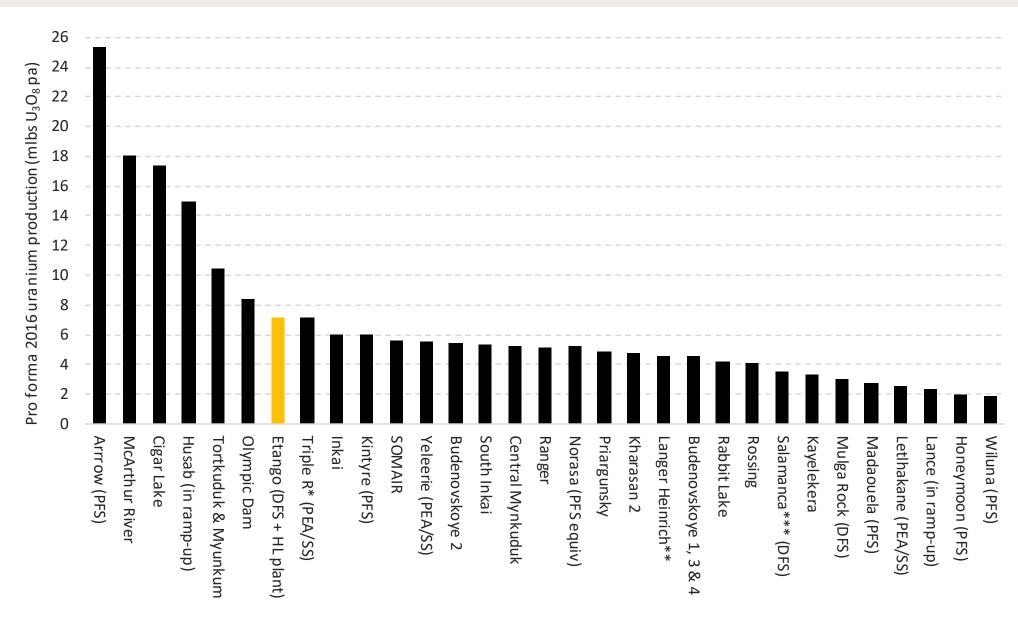
# Strategic appeal

Etango is the largest un-aligned uranium project with a feasibility study



### Strategic appeal: Global uranium mines and projects

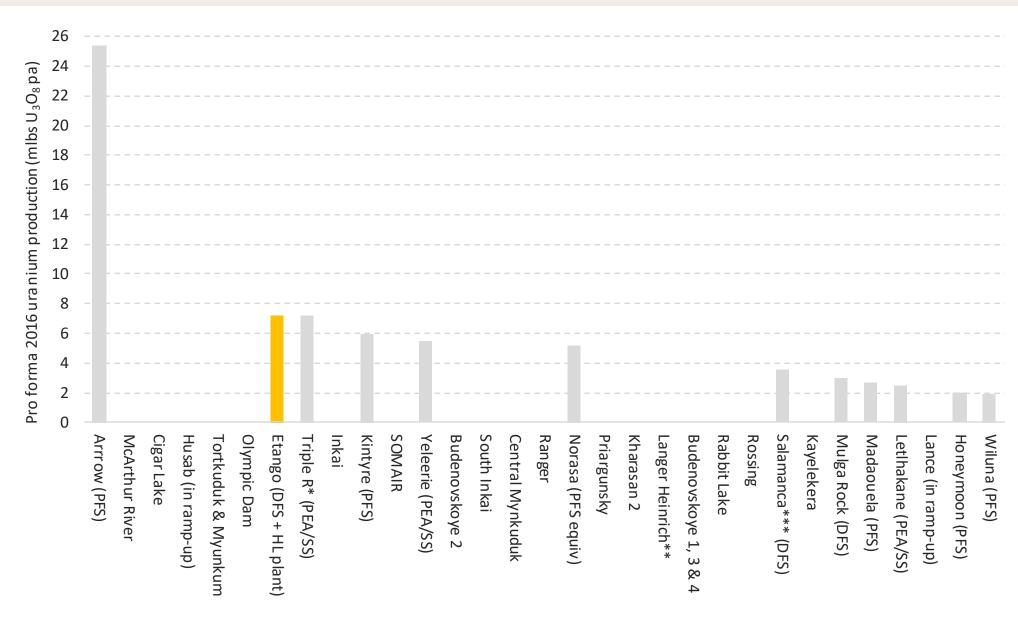




<sup>\*</sup> CGN owns 19.99% of Fission Uranium Corp head equity \*\* CNNC owns 25% of Langer Heinrich project equity \*\*\* SGRF has conversion rights and options to own up to 37% of Berkeley Energia head equity Source: World Nuclear Association, various company data, November 2018

### **Strategic appeal: Global uranium projects**

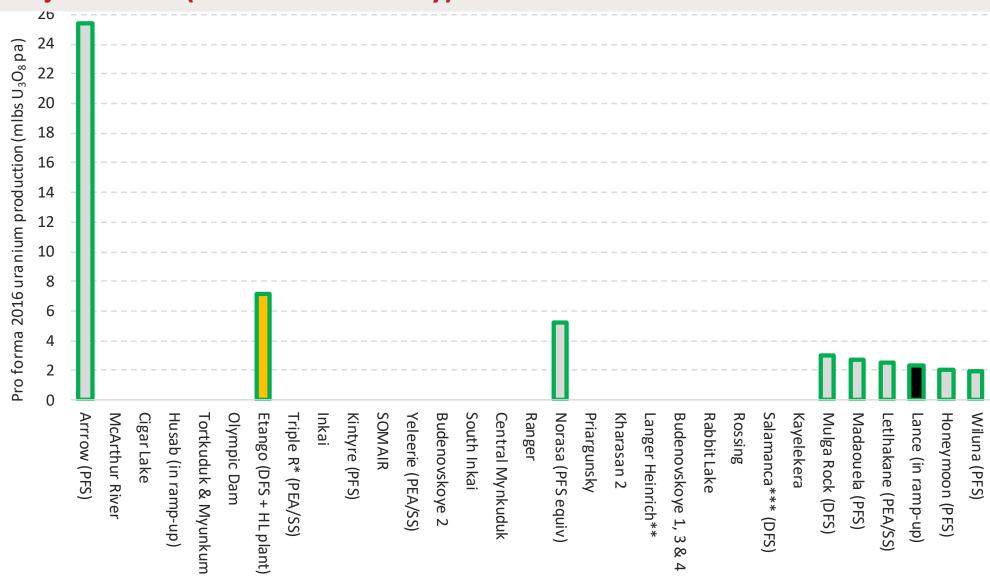




<sup>\*</sup> CGN owns 19.99% of Fission Uranium Corp head equity \*\* CNNC owns 25% of Langer Heinrich project equity \*\*\* SGRF has conversion rights and options to own up to 37% of Berkeley Energia head equity Source: World Nuclear Association, various company data, November 2018

# Strategic appeal: Global uranium projects not currently owned by a uranium major or SOE (state owned entity)

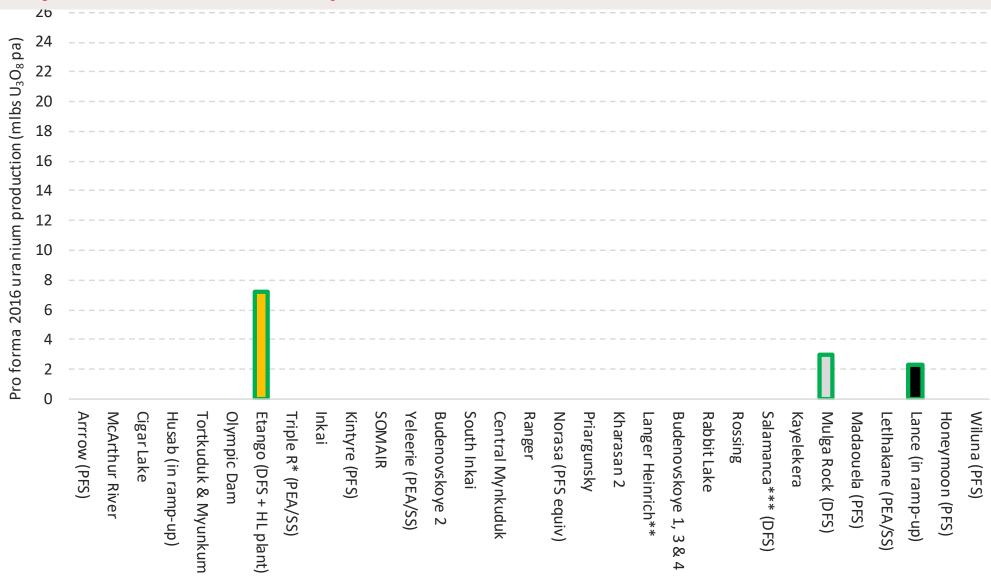




<sup>\*</sup> CGN owns 19.99% of Fission Uranium Corp head equity \*\* CNNC owns 25% of Langer Heinrich project equity \*\*\* SGRF has conversion rights and options to own up to 37% of Berkeley Energia head equity Source: World Nuclear Association, various company data, November 2018

# Strategic appeal: Global uranium projects not currently owned by a uranium major or SOE with a completed DFS





<sup>\*</sup> CGN owns 19.99% of Fission Uranium Corp head equity \*\* CNNC owns 25% of Langer Heinrich project equity \*\*\* SGRF has conversion rights and options to own up to 37% of Berkeley Energia head equity Source: World Nuclear Association, various company data, November 2018



Etango is the most advanced uranium asset not in construction



### A shovel ready project



EARLY STAGE OR CONC	EPTUAL STUDY	ADVANCED FEA	ASIBILITY WORK		DEVELOPMENT
Salamanca (ASX:BKY)					 
Etango (ASX:BMN)					
Mulga Rock (ASX:VMY)					
Honey Moon (ASX:BOE)					
Norasa (TSX:FSY)					 
Madaouela (TSXV: GXU)					 
Wiluna (ASX:TOE)					 
Arrow (TSX/NYSE: NXE)					1 I I
Kintyre (TSX:CCO)					
Triple R (TSX:FCU)					  -
Yeleerie (TSX:CCO)	i				! 
Letlhakane (ASX:ACB)					I I I
Tumas (ASX:DYL)	I I				 
Scoping study/PEA equivalent completed	PFS equivalent completed	JORC/43-101 DFS completed	Environmental permitting	Pilot plant or trial mining	In construction



Etango has low technical risk in the world's premier uranium jurisdiction



### Bannerman has low technical risk...

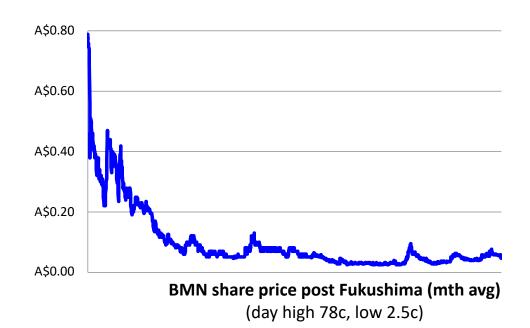


### **Etango is a low technical risk project**

- ✓ Permitted with Retention Licence
- ✓ Environmental/social approvals in place
- ✓ Simple, bulk tonnage operation
- ✓ Heap leaching proven by demonstration plant
- ✓ Huge volume of technical work completed
- ✓ Located close to infrastructure

### BMN market cap has substantial value backing

- √ ~360,000m of drilling
- ✓ Huge volume of technical work, (including DFS)
- ✓ Demonstration Plant constructed
- ✓ World class JORC resource/reserves (Appendix C)



### ...in the world's premier uranium jurisdiction

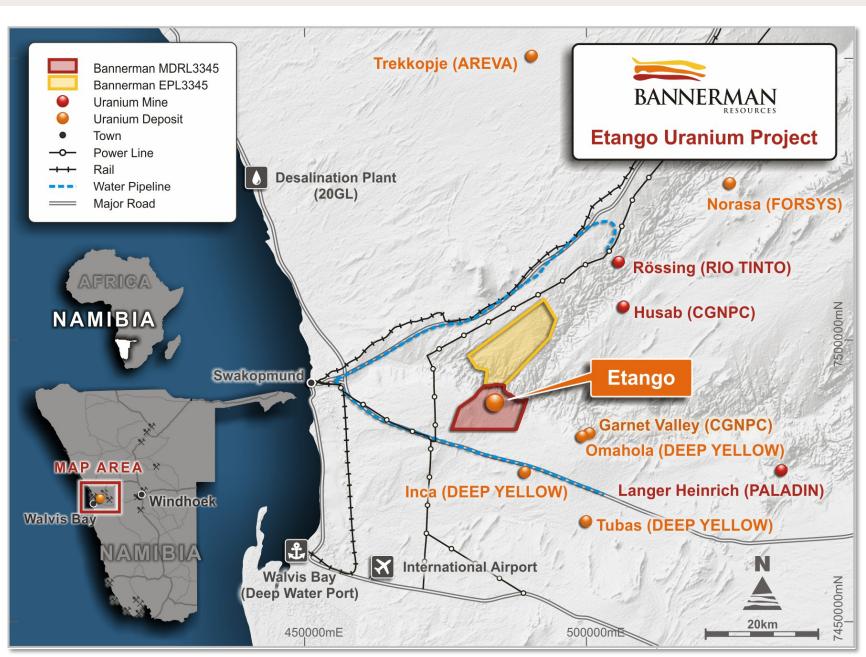


Namibia is the premier uranium jurisdiction

- √ +40 year production history
- ✓ Global player in uranium
- ✓ Politically/socially supportive
- ✓ Excellent infrastructure: port/road/rail/water/power

First class operating jurisdiction

- ✓ Stable and secure
- ✓ Strong Rule of Law
- ✓ Transparent mining legislation



# Leadership can deliver

### Bannerman has the team to deliver value to shareholders



### Bannerman has the team to deliver value to shareholders







Chairman

- ➤ 35 years investment banking experience
- Former head of Rothschild Australia.
- Extensive listed company experience



### **Brandon Munro**

**CEO** 

- 20 years mergers and acquisitions/resources experience
- Transactional success as former MD Kunene Resources Ltd
- Chair, World Nuclear
   Association uranium
   demand sub-group



### Mike Leech

# Chairman (Namibia)

- 30 years Namibian uranium operating experience
- Former MD of Rössing uranium mine
- Former President of Namibian Chamber of Mines

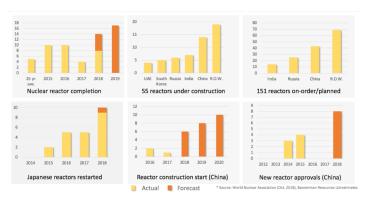
### Bannerman offers outstanding uranium sector opportunity



A sector moving from long bear market into deficit...

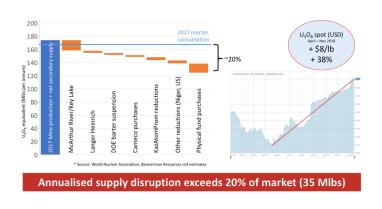


... plus growing demand momentum.



... sentiment is shifting.

... with supply disruption dislodging spot prices...



In a sector famed for bull markets...



Bannerman can maximise shareholder value.



### **Appendix A: Uranium peer comparative**



1												
	BANNERMAN	VIMY RESOURCES	TORO ENERGY LIMITED	BERKELEY	BOSS REBOURCES LIMITED	PENINSULA O ENERGYLATED	Deep Yellow Limited	a-cap RESOURCES LTD	FORSYS	Fission URANIUM CORP.	NexGen Energy Ltd.	<b>90LIEX</b> URANIUM
Key listings	ASX: BMN	ASX: VMY	ASX: TOE	ASX: BKY AIM: BKY	ASX: BOE	ASX: PEN	ASX: DYL	ASX: ACB	TSX: FSY	TSX: FCU	TSX: NXE NYSE: NXE	TSX: GXU
Market cap (US\$m)	33	20	49	43	74	37	64	25	34	251	802	62
Flagship project and location	Etango, Namibia (95%)	Mulga Rock, WA (100%)	Wiluna, WA (100%)	Salamanca, Spain (100%)	Honeymoon, SA (100%)	Lance, US; ramp-up (100%)	Tumas/Tubas, Namibia (100%)	Letlhakane, Botswana (100%)	Norasa, Namibia (100%)	Triple R, Canada (100%)	Arrow, Canada (100%)	Madaouela, Niger (100%)
Completed study phase	DFS + HL demo plant (Nov 2015)	DFS + trial mining (Jan 2018)	PFS (Jan 2014)	<i>In develop</i> (DFS Jul 2016)	PFS (May 2017)	In production (Low-pH Study Sep 18)	Pre-scoping	Scoping (Sep 2015)	PFS/DFS (Mar 2015)	Scoping/PEA (Sep 2015)	PFS (Nov 2018)	PFS (Aug 2015)
Project resource (mlbs U <sub>3</sub> O <sub>8</sub> )	271	90	84	89	63	54	81	366	183	141	348	139
Target prod. (mlbs U₃O <sub>8</sub> )	7.2	3.5	1.9	3.5 (Stage 3)	3.2 (Stage 3)	3.0 (Stage 3)	NA	2.4	5.2	7.2	25.4	2.7
Upfront capex (US\$m)	793	350	224	235 (Stage 3)	146 (Stage 3)	119 (Stage 3)	NA	351	433	847	962	359
LOM opex (US\$/lb)	38	28	31	15	20	32	NA	41	35	13	4	24
Study price (US\$/lb)	75	60	70	30 (2018) up to 68 (2030)	NA	49	NA	81	65	65	50	70
Projected IRR (%)	15% (post-tax)	25% (pre-tax)	NA	60% (post-tax)	NA	30% (post-tax)	NA	24% (post-tax)	26% (post-tax)	34% (post-tax)	57% (post-tax)	22% (post-tax)
Project NPV (US\$m)	419 (post-tax 8%)	376 (pre-tax 8%)	NA	532 (post-tax 8%)	NA	156 (post-tax 8%)	NA	240 (post-tax 8%)	383 (post-tax 8%)	785 post-tax 10%	2,849 (post-tax 8%)	340 (post-tax 8%)

### **Appendix B: Bannerman team**



Ronnie Beevor (Non-Executive Chairman)

30+ years investment banking experience incl. head of Rothschild Australia.

Extensive listed co experience including past director of successful gold-copper developer, Oxiana Ltd.

Mike Leech
(Non Executive Director)

30+ years mining industry experience, Rio Tinto Deep Namibian uranium operating experience Former roles include MD and CFO at Rössing Uranium Former President of Namibian Chamber of Mines

**Clive Jones** 

(Non Executive Director)

20+ years in mineral exploration and founding/developing/transacting ASX companies. One of original vendors of Etango project to BMN.

Ian Burvill

(Non Executive Director)

30 years of mining industry experience starting as a process plant engineer.
Former senior VP with Resource Capital Funds.

Twapewa Kadhikwa (NED - Namibia) High profile Namibian businesswoman. Respected SME advisor to government. Speaker and business mentor.

### **Skilled management with Namibian expertise**

**Brandon Munro** 

(CEO & Managing Director)

20 years transactional and financing experience as a corporate lawyer and resources executive.

Lived in Namibia for 5+ years as GM to Bannerman and MD of Kunene Resources Ltd.

**Werner Ewald** 

(Managing Director – Namibia) 25+ years experience in uranium, diamond, coal mining; prior to joining BMN was Manager Mining at Rössing Uranium. Namibian born Electrical Engineer based in Swakopmund.

**Robert Dalton** 

(Company Secretary)

15 years experience as chartered accountant incl. big four firms specialising in international resources. Previously CFO and CoSec at Africa-focussed Tangiers Petroleum.

**John Turney** 

(Project Adviser – Etango)

35+ years in major mining/engineering companies, including Project Director of Bannerman. Led development of, for example, Cowal gold mine (Australia) and Tulawaka gold (Tanzania).

**Dustin Garrow** 

(Strategic Uranium Marketing Adviser) 40+ years experience in the uranium and nuclear sector, including 12 years marketing Namibian uranium for Paladin Energy.

Respected international uranium marketing expert.

### **Appendix C: Etango Project – resources and reserves**



### Etango Project – Mineral Resource Estimate

Mineral Resource Nov 2015		ا	Measured	l		Indicated	I		Inferred		
Deposit	Cut Off Grade (U <sub>3</sub> O <sub>8</sub> ppm)	Tonnes (Mt)	Grade (U <sub>3</sub> O <sub>8</sub> ppm)	In-situ U <sub>3</sub> O <sub>8</sub> (Mlbs)	Tonnes (Mt)	Grade (U <sub>3</sub> O <sub>8</sub> ppm)	In-situ U <sub>3</sub> O <sub>8</sub> (Mlbs)	Tonnes (Mt)	Grade (U <sub>3</sub> O <sub>8</sub> ppm)	In-situ U <sub>3</sub> O <sub>8</sub> (Mlbs)	
Etango <sup>1</sup>	55	33.7	194	14.4	362	188	150.2	144.5	196	62.5	
Ondjamba <sup>2</sup>	100							85.1	166	31.3	
Hyena <sup>3</sup>	100							33.6	166	12.3	
	Total	33.7	194	14.4	362	188	150.2	263.2	182	106.1	

# Note 1: Refer to the Competent Persons Statement at the start of this document for further information on the Etango Mineral Resource Estimate. The Etango estimate has been reported in accordance with JORC 2012. The figures may not add due to rounding.

Note 2 & 3: Refer to the Competent Persons Statement at the start of this document for further information on the Ondjamba and Hyena Mineral Resource Estimates. The Ondjamba and Hyena estimates remain unchanged from the previous declaration and therefore have been reported in accordance with JORC 2004. The figures may not add due to rounding.

### Etango Project – Ore Reserve Estimate

Ore Reserve Nov 2015	Proved			ve Proved Probable				Total	
Deposit	Tonnes (Mt)	Grade (U <sub>3</sub> O <sub>8</sub> ppm)	In-situ U <sub>3</sub> O <sub>8</sub> (Mlbs)	Tonnes (Mt)	Grade (U <sub>3</sub> O <sub>8</sub> ppm)	In-situ U <sub>3</sub> O <sub>8</sub> (Mlbs)	Tonnes (Mt)	Grade (U <sub>3</sub> O <sub>8</sub> ppm)	In-situ U <sub>3</sub> O <sub>8</sub> (Mlbs)
Etango	32.3	196	14	271	195	116.1	303.3	195	130.1

### **Appendix D: Robust development economics**



Key project parameters	DFS Opt Study (November 2015)
Production (U₃O <sub>8</sub> LOM avg)	7.2 Mlb pa
Peak production (U <sub>3</sub> O <sub>8</sub> ) – Years 3/4	+10 Mlb pa
Initial mine life	15.7 years
Cash cost (first 5 years)	US\$33/lb
Cash cost (LOM)	US\$38/lb
Pre-production capital	US\$793M
M&I Resources (U₃O <sub>8</sub> )	395Mt at 189ppm
Mineral Reserves (U <sub>3</sub> O <sub>8</sub> )	303Mt at 195ppm
Plant throughput	20Mtpa
Feed grade (first 5 full prod. years)	241ppm
Strip ratio	2.8:1
Capital intensity (per lb $U_3O_8$ annual production)	US\$110

#### To be improved in DFS Update

**Processing Optimisation Study completed 2017** 

- ✓ US\$73M estimated capital cost savings
- ✓ Identified operating cost reduction opportunities, US\$3+/lb target for DFS Update

Membrane Study completed 2018

- ✓ Substantial acid and reagent savings
- ✓ Ion Exchange with nano-filtration preferred processing route

DFS Update to capture benefits of

- Mining Optimisation 2015
- Processing Optimisation 2017
- Membrane Study
- Ongoing optimisation

#### World class scale

Total resource size of 271 Mlbs\* U<sub>3</sub>O<sub>8</sub>, including

- M&I Resource: 165 Mlbs U<sub>3</sub>O<sub>8</sub>
- Reserves: of 130 Mlbs U<sub>3</sub>O<sub>8</sub>

With available mine-life expansion

- Ore body open at depth
- Hyena Satellite deposit
- ✓ Ondjamba Satellite deposit

<sup>\*</sup> See resources and reserves statement in Appendix C

