ASX Release 4 August 2026

Boss Energy Presentation to the Diggers and Dealers Mining Forum 2026

Boss Energy Limited (ASX: BOE; OTCQX: BQSSF) is pleased to provide a copy of the presentation to be delivered by Managing Director and CEO Mr Matthew Dusci, at the Diggers and Dealers Mining Forum 2026 in Kalgoorlie, Western Australia.

This ASX announcement was approved and authorised by the CEO on behalf of the Board of Boss Energy Limited.

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A global multi-mine Uranium producer

Diggers & Dealers Mining Forum

4 August 2026

BOSS ENERGY

ASX: BOE | OTCQX: BQSSF

bossenergy.com

Australia's only ASX-listed uranium producer with domestic production

Uniquely positioned to drive shareholder value

- **Australia's only ASX-listed uranium company producing domestically**
- **Developed unique uranium operational expertise including in ISR mining**
- **Strong balance sheet of $207M[1], including strategic uranium inventory**
- **Pathway for low-capital growth across asset portfolio**
- **Uniquely positioned to produce uranium in a market facing growing demand**

Notes (1): Cash and liquid assets as at 30 June 2026.

Multi decade production and growth pipeline

Our global portfolio

Honeymoon Operation (100%)
Production (South Australia)

Alta Mesa JV Operation (30%)
Production (USA, South Texas)

Goulds Dam & Jasons Deposit
Study + Permitting (South Australia)

Laramide Resources
19.9% Shareholder

Boss Energy is strategically positioned with operating assets, organic growth and value creation opportunities

Exposure to the accelerating global nuclear energy demand

Developing capability, ramping up production, unlocking value

Boss Energy Today…

Developing Best-in-Class ISR Capability

Developing unique expertise and deep technical capability in ISR

Becoming global leaders

Continuing Production Ramp Up

Entering 3rd year of production, applying learnings across wellfields and plant ramp up

Proven extraction and processing method

New Feasibility Study to Unlock Value

Transition to wide-spaced wellfield design

Unlocking resource with a lower cost structure

FY26 Revised Guidance Achieved and Cash Flow Positive

Generating cash and building uranium inventory despite capital-intensive year

Well-positioned to fund our growth plans

Majority of Capital Completed

Commissioned key infrastructure at Honeymoon

Successful ramp-up of production

Growth Leveraging Existing Infrastructure

Satellite deposit provides a growth opportunity with a low-capital cost of entry

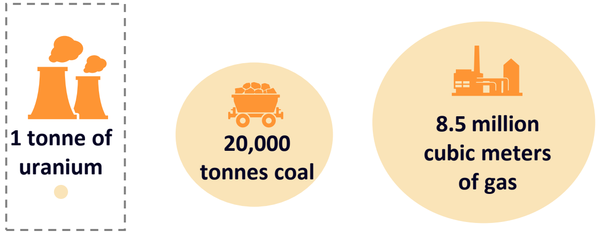
Delivering value from asset portfolio

One of the most reliable, cleanest, safest and most efficient sources of energy

Nuclear Embedded in the Energy Transition

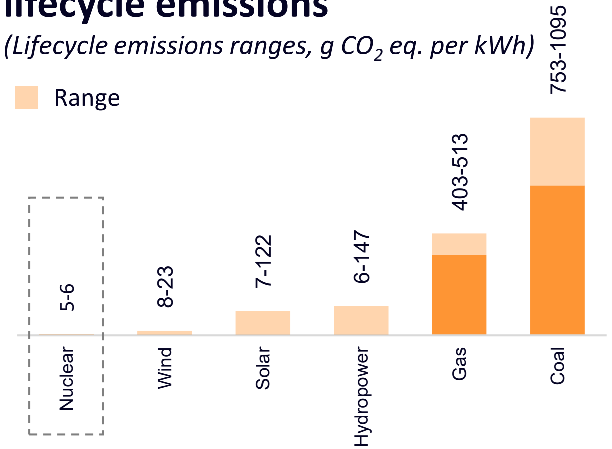
Uranium the most energy-dense fuel source

(Quantity required to produce 44m KWh of electricity)



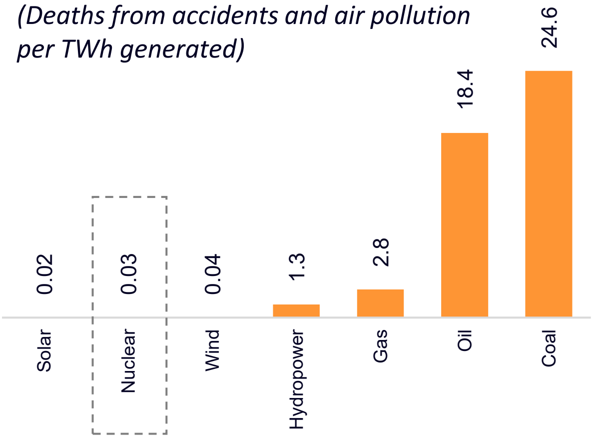
The cleanest, with very low lifecycle emissions

(Lifecycle emissions ranges, g CO_2 eq. per kWh)



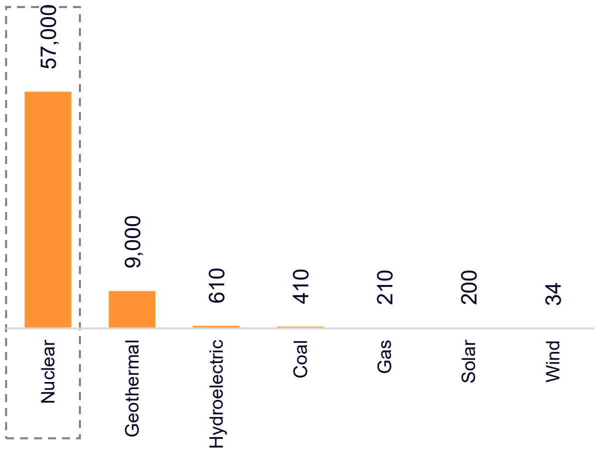
One of the safest forms of power generation

(Deaths from accidents and air pollution per TWh generated)



The most electricity per acre

(MWh/year per acre, direct and indirect land use[1])



White House nuclear executive orders package, targets quadrupling capacity

May 2025

US govt, Cameco and Brookfield announce US$80bn partnership to build new nuclear

Oct 2025

COP28 declaration to triple global nuclear capacity by 2050 signed by 25 countries[1]

Dec 2023

World Bank lifts its long-standing ban on nuclear financing

Jun 2025

South Korea reverses phase-out direction and targets ≥30% nuclear share by 2030

Jul 2022

India “Nuclear Energy Mission” targets 100 GW by 2047

Feb 2025

China announced a target of 150 new nuclear reactors in the next 15 years

Nov 2021

Sweden announces state financing of up to US$23.5bn for new nuclear builds

Sep 2025

Source: Citi Bank, Department of Energy, “Pathways to Commercial Liftoff: Advanced Nuclear”, September 2024.

Notes: (1) Spacing shown for natural gas and wind. (2) Nuclear: ~500 jobs / GW for current operating fleet, ~237 jobs / GW estimated for SMRs.

Demand confidence given reactors in operation, under construction and policy settings

The Uranium Market - Demand

438
Reactors currently in operation

79
Reactors under construction

124
Reactors planned

311
Reactors proposed

Over 500 new reactors in the global pipeline with China having the most reactors under construction and is expected to surpass the US with the largest nuclear fleet by 2030

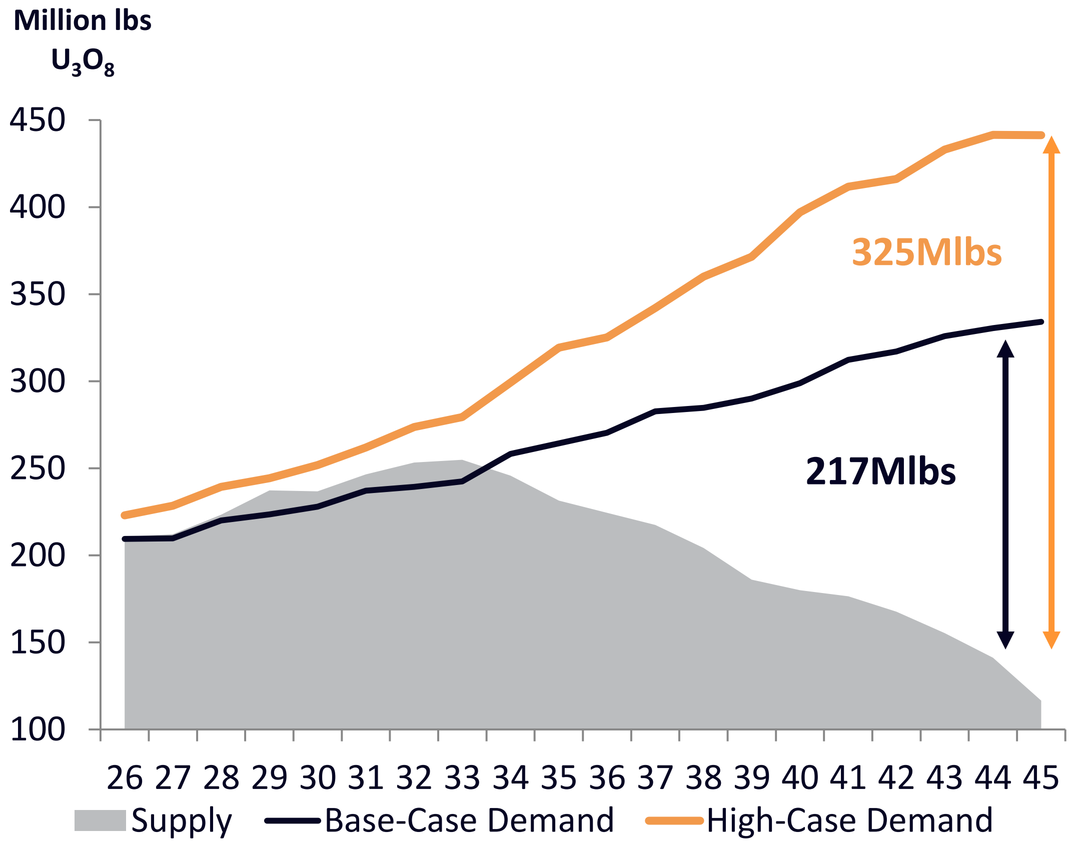
- Governments embedding nuclear in their **long-term energy strategy**
- **Supportive policy environment** facilitates further growth
- Hyperscalers focused on securing **clean baseload power for data centres** (e.g. Meta, Google, Amazon, Microsoft)
- Nuclear reactors are being **restarted and extended**
- Significant investments recently announced in **new nuclear builds**

Source: UXC, LLC; World Nuclear Association (April 2026).

An emerging supply deficit is driving increased contracting and driving the price up

The Uranium Market – Supply is Structurally Constrained

An annual deficit of 217Mlbs to 325Mlbs is emerging
Equivalent to 100-150% of the entire market today



Source: UXC, LLC

Pipeline Vulnerability: ~150Mlbs of unproven production required by 2040 **to meet demand targets**

Legacy Asset Depletion: Existing production base **projected to decline** ~30% by 2040

Utilisation Ceiling: Low cost "restart" **capacity is fully exhausted** and currently operational base

New discoveries take time: Easy discoveries have been made and **regulatory frameworks have become more stringent**

Geographic constraints: Global supply heavily **dependent on a small number of countries and produces** with geopolitical risk

Honeymoon Operation

- One of only three producing uranium mines in Australia
- One of only two ISR mines in Australia
- Successful restart of Honeymoon Operation with first production April 2024
- The majority of the capital is in place with 5 NIMCIX columns operational

Honeymoon ISR Mining

A proven, cost-effective extraction process used across our portfolio

Low Impact from In-Situ Recovery (ISR) Mining

58%

of global uranium output comes from ISR mining

How ISR works

1. **Inject**
   Lixiviant is injected to dissolve uranium underground
2. **Recover**
   Uranium-rich solution is pumped up for processing
3. **Recirculate**
   Treated solution returns via a closed circuit

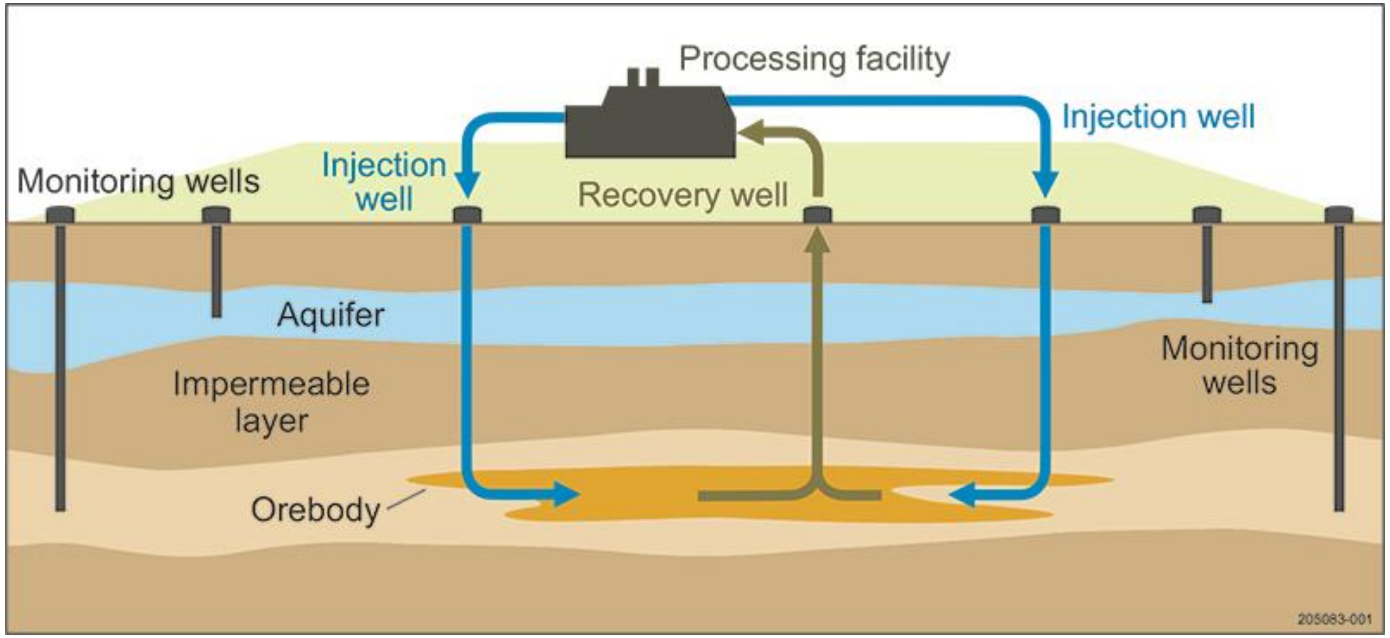


Figure 1 Conceptual model of an in situ recovery mining process.

Low impact and lower CO_2 emissions from ISR

Low surface area disturbance through small wellfields

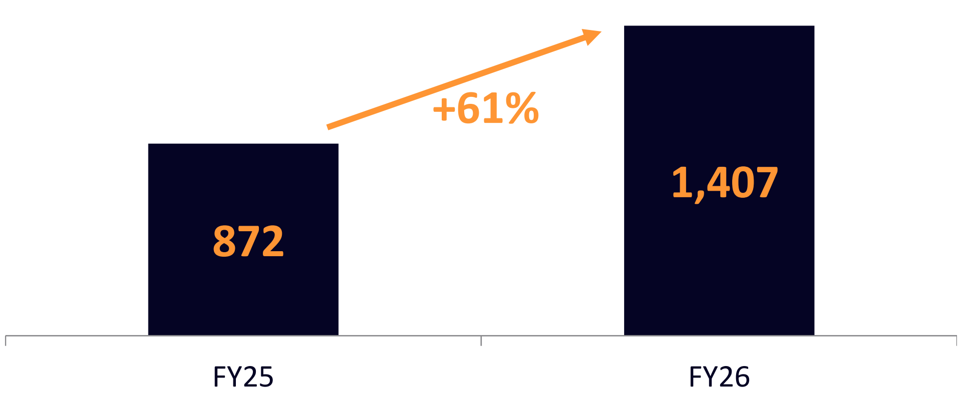
No requirement for open pits, waste stockpiles or tailings dams

Limited waste and low water usage (closed circuit aquifer)

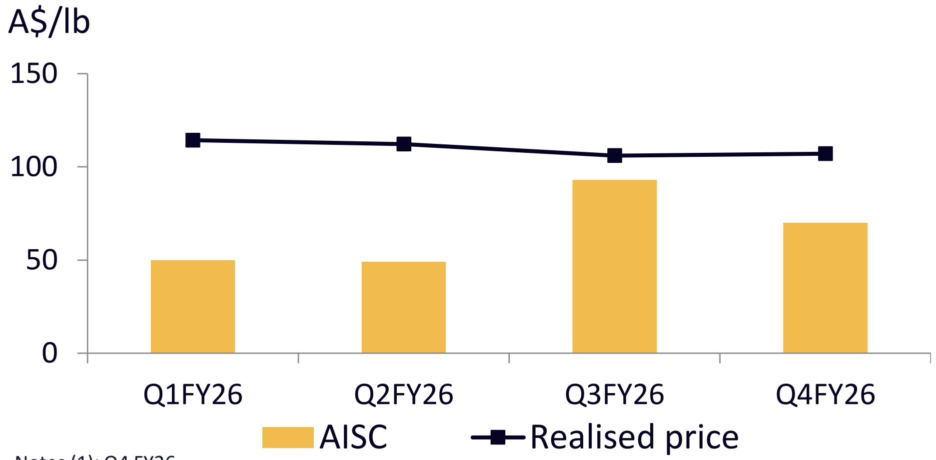
Investment in infrastructure supports production growth

Honeymoon provides platform for growth

Production - U_3O_8 Drummed (klbs)



Sustaining Margin



Notes (1): Q4 FY26

Demonstrated operating capability

Honeymoon restarted and revised FY26 production achieved, with six wellfields (B1–B6) producing in line with expectations

Strong control on costs

FY26 cost guidance delivered with positive operating cash flow — C1 $45/lb, AISC $70/lb, Margin $37/lb[1]

Pathway to improved project economics

Continued wellfield development and wide-spaced design under the New Feasibility Study support future production

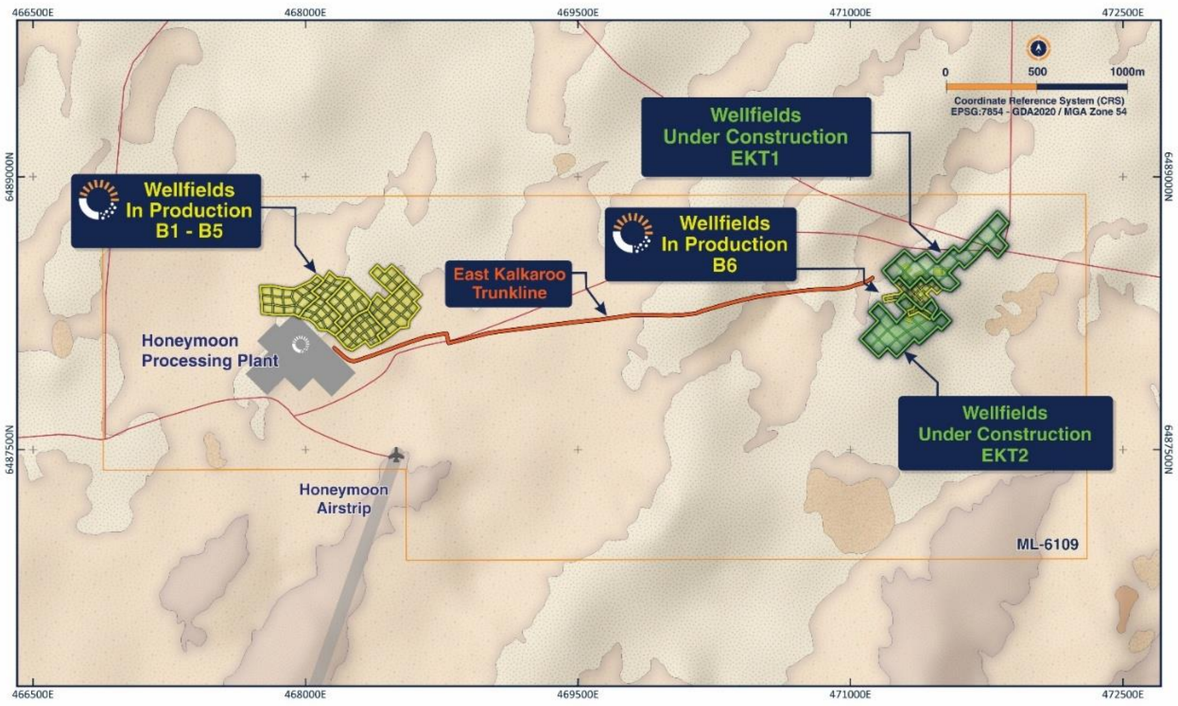
Compelling organic growth pipeline

Accelerated exploration underway, set to add significant value and mine life beyond the initial mine plan

*Notes: *Estimated quarterly production based on low end of Q4 guidance range of 356klbs to 406klbs.*

Production data strengthens confidence in wide-spaced wellfields

Completing New Feasibility Study



Honeymoon Deposit Characteristics
Unique characteristics and extensive lower-grade mineralisation support wide-spaced wellfield design

Significant change to Cost Structure
Reduction in capital and operating cost structure to ensure solid margins on lower-grade material

Increased Confidence
Studies to date provide increased confidence

End of August update
JORC resource, Feasibility and FY27 Guidance provided

Transition to wide-spaced wellfield design – the optimal approach to mine the Honeymoon Resource

Adjacent deposits provide a future growth pathway

Gould's Dam and Jasons Deposit extend opportunity beyond Honeymoon

Total combined Mineral Resource Estimate of

45Mlbs

of contained U_3O_8[1]

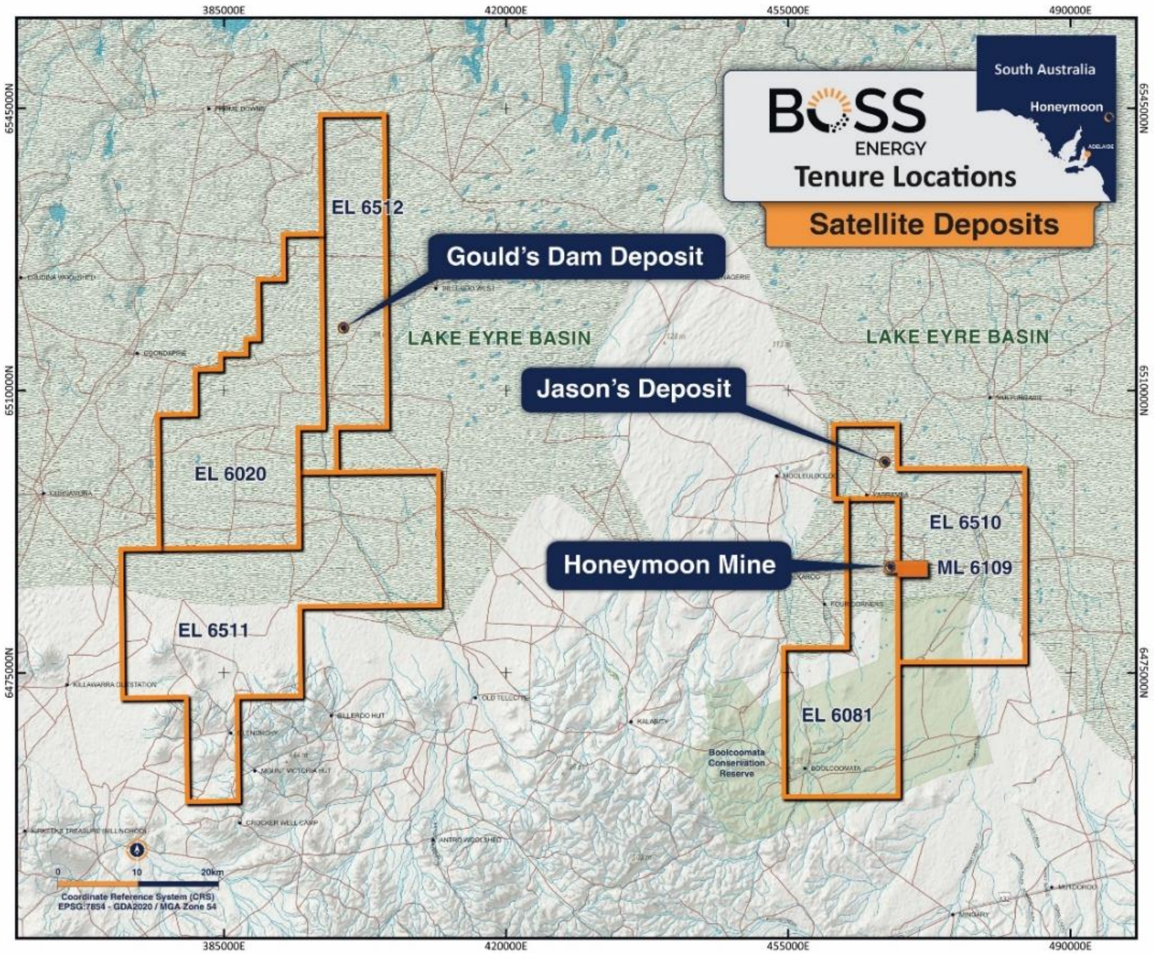
Resource Category[1]	Ore	Grade	Metal
	Mt	Ppm U_3O_8	Mlbs U_3O_8
GOULD'S DAM			
Indicated	7.5	465	7.7
Inferred	31.2	369	25.4
Total	**38.7**	**388**	**33.1**
JASONS DEPOSIT			
Indicated	4.8	464	4.9
Inferred	8.5	380	7.1
Total	**13.3**	**410**	**12.0**

Leverage Honeymoon Infrastructure Proximal to Honeymoon operation

Mineralisation Remains Open with additional drilling required

ISR Potential Wide-spaced wellfield extraction likely applicable to both deposits

Development Permitting and studies accelerated



Note (1) Refer to ASX announcement dated 19 March 2026 titled "Gould's Dam and Jason's Deposit Mineral Resource and Permitting Update" for detail. 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 that all material assumptions and technical parameters underpinning the Mineral Resource Estimates in the original market announcement continue to apply and have not materially changed. The company confirms that the form and context in which the Competent Person's finding are presented have not been materially modified from the original market announcement.

Well funded to support organic growth

Financial Strength

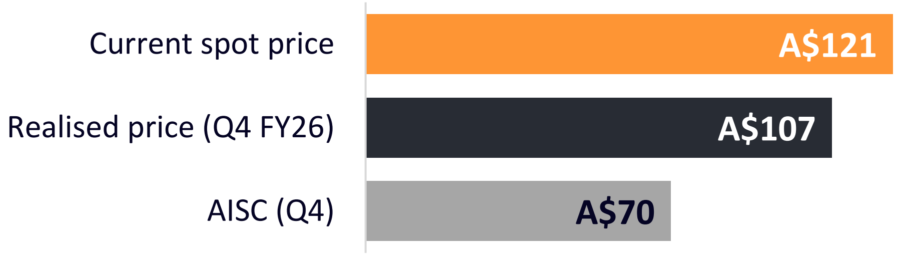
$207M[1]
Cash and liquid assets

1,581K lbs[1]
Inventory on hand

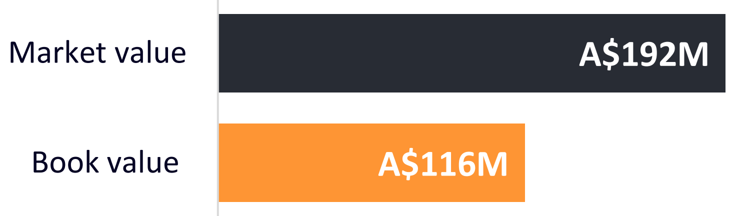
Nil[1]
Corporate debt

$50M AUD[1]
Cash

Operational economics (A$/lbs)[1,2]



Inventory valuation (A$M)[1,2]



Cash flow positive, despite a capital-intensive year

Capitalised to support organic growth, maintaining one of the strongest balance sheets in the uranium sector

Strategically uncontracted with significant inventory, leveraged to strengthen uranium market

Note:
1. *As of 30 June 2026*
2. *Uranium price of US$85.00/lb at 0.70 AUD/USD.*

Established production, financial strength and capital-efficient growth opportunities

Positioned to deliver shareholder value

Producing Uranium
Uranium production across Australia & USA

Capital and infrastructure in place
Pathway to unlock value through wide-space wellfield design

Financial Strength
Positive operating cash flow and $207M in cash and liquid assets

Significant growth in the portfolio
Through Honeymoon and satellite deposits with low capital cost of entry

Supportive macro fundamentals
Ramping up production into rising global uranium demand

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All dollar amounts are in Australian dollars unless otherwise indicated. A number of figures, amounts, percentages, estimates, calculations of value and fractions in this Presentation are subject to the effect of rounding. Accordingly, the actual calculation of these figures may differ from the figures set out in this Presentation.

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This ASX announcement was approved and authorised by the CEO on behalf of the Board of Boss Energy.

Thank You

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