

27 February 2023

Sunrise Energy Metals to present at BMO Conference

Sunrise Energy Metals Limited (ASX:SRL) advises that CEO and Managing Director, Mr Sam Riggall, will be presenting at the BMO Capital Markets 32nd Global Metals, Mining & Critical Minerals Conference in Florida and hosting a number of investor meetings in North America during 27 February to 1 March.

Mr Riggall's presentation materials for the event are attached.

For more information, please contact:

Corporate

Ben Stockdale (CFO)

+61 3 9797 6777

Investors

Craig Sainsbury (Market Eye)

Craig.sainsbury@marketeye.com.au

About Sunrise Energy Metals Limited

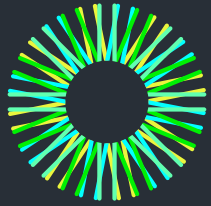
Sunrise Energy Metals Limited (ASX:SRL) is progressing its world-class Sunrise Battery Materials Complex in New South Wales, utilising its Clean-iX® technology. The Sunrise Project is one of the largest and most cobalt-rich nickel laterite deposits in the world and is development-ready, with all key permits and approvals in place. Sunrise is also one of the largest and highest-grade scandium deposits globally.

Forward Looking Statements

Certain statements in this news release may constitute "forward-looking statements or "forward-looking information" within the meaning of applicable securities laws. Such statements involve known and unknown risks, uncertainties and other factors, which may cause actual results, performance or achievements of the Company or industry results, to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements or information. Such statements can be identified by the use of words such as "may", "would", "could", "will", "intend", "expect", "believe", "plan", "anticipate", "estimate", "scheduled", "forecast", "predict" and other similar terminology, or state that certain actions, events or results "may", "could", "would", "might" or "will" be taken, occur or be achieved. These statements reflect the Company's current expectations regarding future events, performance and results, and speak only as of the date of this

new release. Readers are cautioned not to place undue reliance on forward-looking information or statements.

Although the forward-looking statements contained in this news release are based upon what management of the Company believes are reasonable assumptions, the Company cannot assure investors that actual results will be consistent with these forward-looking statements. These forward-looking statements are made as of the date of this news release and are expressly qualified in their entirety by this cautionary statement. Subject to applicable securities laws, the Company does not assume any obligation to update or revise the forward-looking statements contained herein to reflect events or circumstances occurring after the date of this news release.



sunrise
energy metals

The Future of Battery Metals

BMO Global Metals, Mining & Critical
Minerals Conference
February, March 2023



Cautionary statement



Certain statements in this news release constitute “forward-looking statements” or “forward-looking information” within the meaning of applicable securities laws. Such statements involve known and unknown risks, uncertainties and other factors, which may cause actual results, performance or achievements of the Company or industry results, to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements or information. Such statements can be identified by the use of words such as “may”, “would”, “could”, “will”, “intend”, “expect”, “believe”, “plan”, “anticipate”, “estimate”, “scheduled”, “forecast”, “predict” and other similar terminology, or state that certain actions, events or results “may”, “could”, “would”, “might” or “will” be taken, occur or be achieved. These statements reflect the Company’s current expectations regarding future events, performance and results, and speak only as of the date of this release.

Readers are cautioned that actual results may vary from those presented.

All such forward-looking information and statements are based on certain assumptions and analyses made by Sunrise Energy Metals’ management in light of their experience and perception of historical trends, current conditions and expected future developments, as well as other factors management believe are appropriate in the circumstances. These statements, however, are subject to a variety of risks and uncertainties and other factors that could cause actual events or results to differ materially from those projected in the forward-looking information or statements including, but not limited to, unexpected changes in laws, rules or regulations, or their enforcement by applicable authorities; the failure of parties to contracts to perform as agreed; changes in commodity prices; delays in financing or project funding; unexpected failure or inadequacy of infrastructure, or delays in the development of infrastructure, and the failure of exploration programs or other studies to deliver anticipated results or results that would justify and support continued studies, development or operations. Readers are cautioned not to place undue reliance on forward-looking information or statements.

Although the forward-looking statements contained in this news release are based upon what management of the Company believes are reasonable assumptions, the Company cannot assure investors that actual results will be consistent with these forward-looking statements. These forward-looking statements are made as of the date of this release and are expressly qualified in their entirety by this cautionary statement. Subject to applicable securities laws, the Company does not assume any obligation to update or revise the forward-looking statements contained herein to reflect events or circumstances occurring after the date of this release.

The Sunrise Project is development-ready

- **Location:** 350km west of Sydney in an established mining district
- **Development-ready:** A\$250M invested and all key permits and land secured
- **Extensive test work:** FEED, piloting and hydromet test work completed - significantly de-risked flowsheet
- **Operating parameters¹:** 21ktpa Ni & 4.4ktpa cobalt with negative cash costs
- **Infrastructure:** rail, port and renewable energy infrastructure accessible
- **Funding:** actively engaged with strategic partners for funding and offtake



Note: 1) Average over first decade of operation. Financial evaluation based on first 25 years of operation. Refer to ASX Release of 28 September 2020 for more details.

Strong Annual Production¹

Nickel: 21.3 ktpa
Cobalt: 4.4 ktpa

Robust Economics

NPV_g: US\$1.2 billion
IRR: 15.4%

Capex and Payback

US\$1.8 billion
5 years

Exceptional Cash Flow

LOM EBITDA: US\$10.8 billion
Avg FCF (post-tax): US\$308 million pa

Negative Nickel Cash Cost

Negative US\$0.80/lb Ni after
by-product credits

Long Life with Options

50-year reserve life with expansion
options

Note: 1) Average over first decade of operation. Financial evaluation based on first 25 years of operation. Refer to ASX Release of 28 September 2020 for more details.

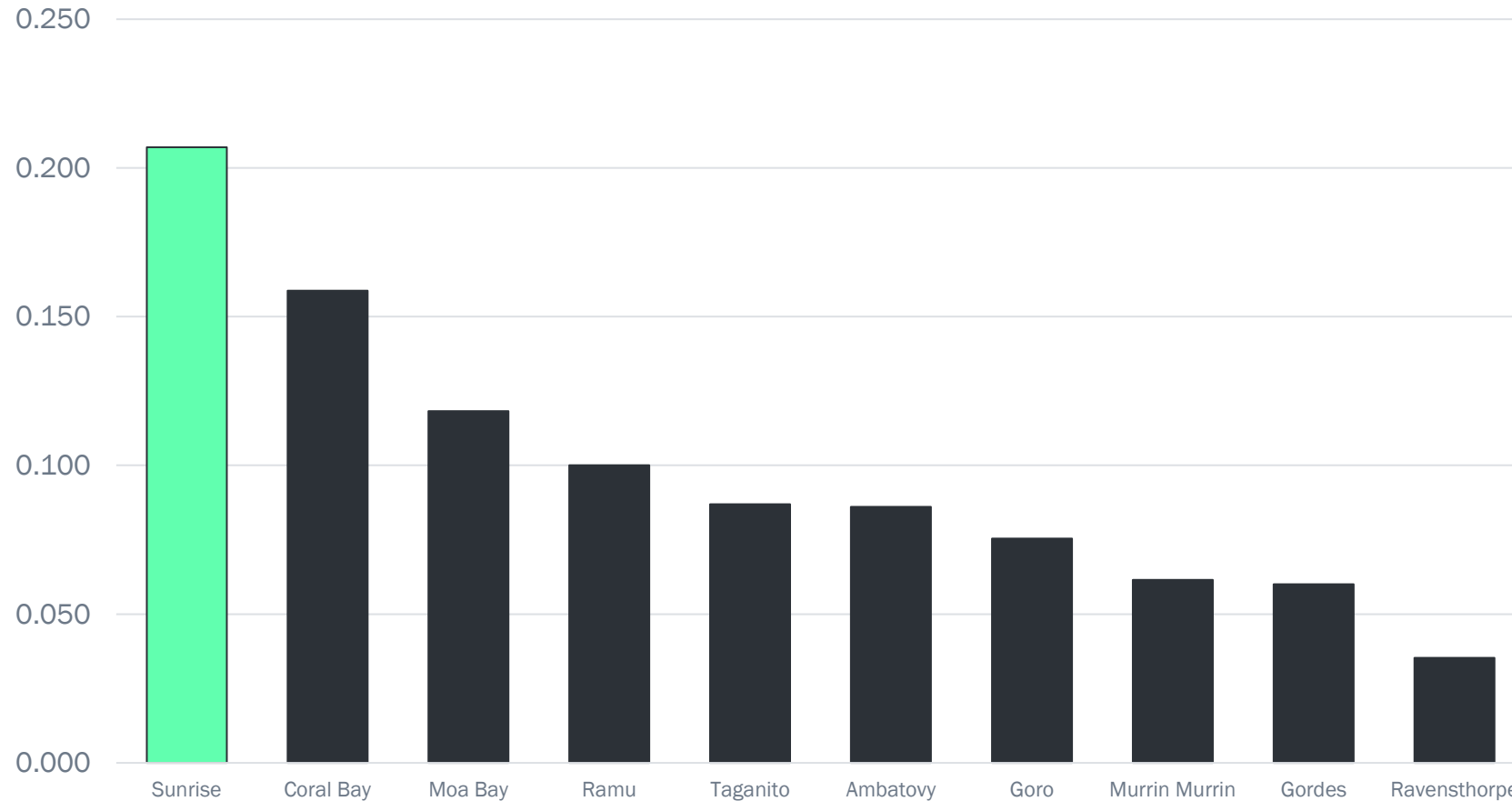
Tier 1 ore body with low mining risk



- Shallow, simple, free-dig strip mining
- Enough nickel and cobalt to convert ~30% of the current US light vehicle passenger fleet to electric
- Flexibility to tailor production plans to accommodate varying nickel-cobalt chemistries

An unusual yet highly valuable ore body

Cobalt : Nickel Ratio in Nickel Hydromet Operations



- The Sunrise ore body is far richer in cobalt than most lateritic ore bodies
- It contains lower levels of clay materials which improves handling properties and reduces acid consumption
- The cobalt by-product credits deliver the very low nickel-equivalent cash costs

Note: Sunrise data based on the average nickel and cobalt grades over the first decade of operation into the mill. Data from other operations is taken from public reports.



Sunrise will be a first quartile nickel cash cost producer



Cobalt by-product credits contribute one-third of Project revenues



At US\$22/lb Co Sunrise's cobalt revenues cover all cash operating costs (i.e. zero cash cost nickel production)



Project cash breakeven prices are circa US\$1.00/lb Ni and US\$20.00/lb Co (100% equity funded basis)

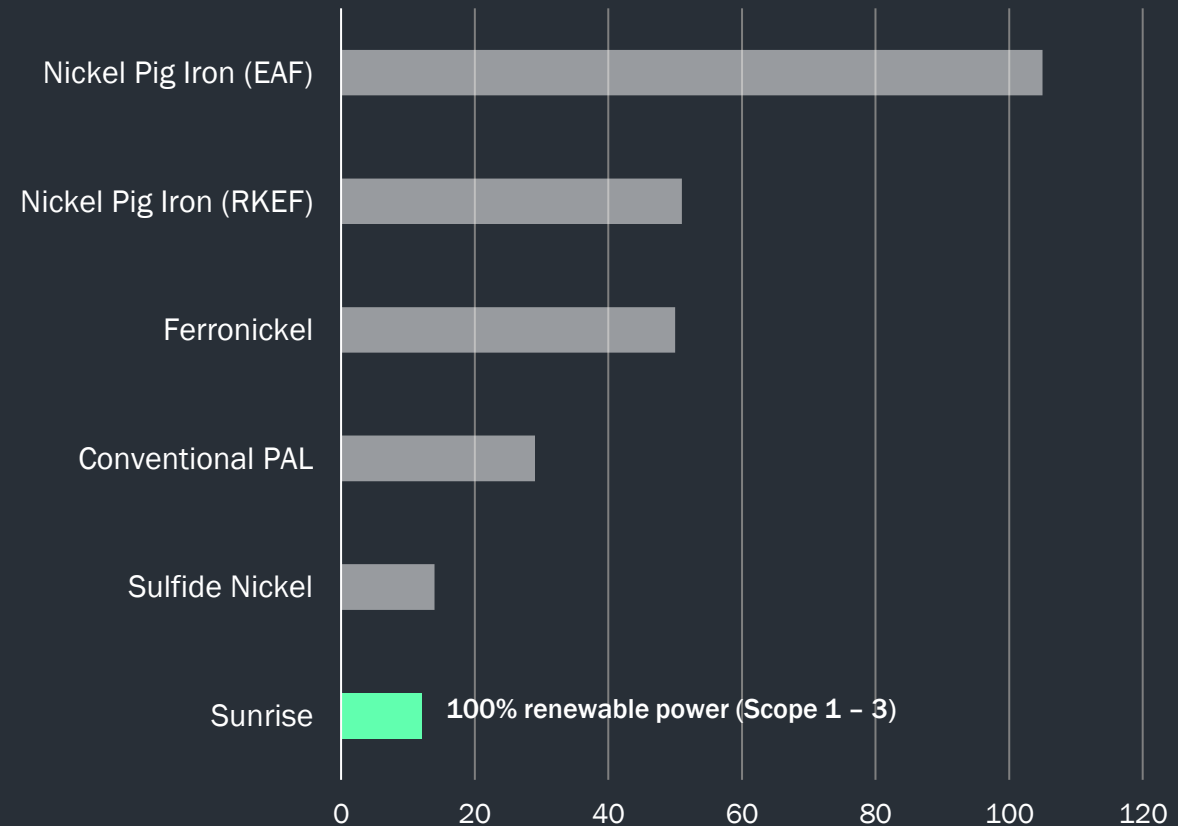
Operating Costs (US\$/lb Ni)	Yr2-11	Yr2-25
Mining costs	0.84	0.76
Processing costs	3.14	3.47
Admin & Site Overheads	0.18	0.21
Haulage & Port	0.15	0.14
Total C1 Costs (before credits)	4.31	4.58
Cobalt Credits	(5.81)	(4.64)
Scandium Credits	(0.31)	(0.58)
Ammonium Sulphate Credits	(0.17)	(0.16)
Total by-product credits	(6.28)	(5.38)
Total C1 Cost (after credits)	(1.97)	(0.80)
Depreciation	2.22	2.33
Total C2 Cost	0.24	1.53
Royalties and other costs	0.88	0.75
Total C3 Cost	1.12	2.28
Total Cash Cost FOB	(1.09)	(0.05)

Focus on sustainability in mining design

- Key design features of the Sunrise Project include:
 - ✓ 100% renewable power for mine and processing plant
 - ✓ Use of co-gen to reduce electricity demand
 - ✓ Water re-use from on-site water treatment facilitates
 - ✓ Managing HSEC obligations to international best practice
 - ✓ Applying ANCOLD standards to waste management
 - ✓ Option to by-pass crystallisation with on-site pCAM
 - ✓ Capacity to recycle for a fully circular supply chain

Deforestation and pollution from nickel mining in SE Asia

Carbon intensity of nickel production (kg CO₂/Kg Nickel in sulphate)



Source: Energetics, Life Cycle Assessment Report: greenhouse gas emission comparison for nickel production routes (Feb 2020). The GHG emission intensities of alternative processing routes are based on literature data that cannot be effectively harmonized. For comparison purposes the only harmonization that has occurred has been on end product (NiSO₄) and using economic allocation to end products. Comparisons against Sunrise should be considered indicative. See also Nickel Institute, Life Cycle Data Assessment. Energy consumption for conventional PAL, ferronickel and NPI products assumes Indonesian development utilizing coal as primary power source. Sulfide nickel data varies between 9 and 19 kg CO₂e depending on power source.

Large resource and strong economics support a conventional project debt financing package, whilst ESG credentials and geographic location are attractive to OECD governments and OEM players

Bank debt

- Leading global banks appointed to arrange the project debt facility, targeting ~50% of the project's funding requirement from commercial debt
- Technical due diligence well progressed

Government

- New policies globally aim to promote diversified supply chains for critical raw materials
- Letter of support from Export Finance Australia for up to A\$400 million for the Sunrise Project, plus indications of support from other global export credit agencies

Equity partners

- Discussions continue with potential partners to link offtake to project level investment
- OEMs understand their EV ambitions rely on significant new raw material supply, and momentum is building for offtake and investment support for mining development

Advancing the Sunrise Project



SRL continues to advance the development of the Sunrise Project via a range of workstreams aimed at minimising Project start time once a financing package is secured and a final investment decision is made



Major Project Status received in 2021 from Australian Government



Conditional approval by the Department of Regional NSW of the Company's application for a further \$10 million grant to support the development of the Sunrise Project electrical transmission line



Conditional financing support from EFA for up to A\$400M - additional debt support offered by other export credit agencies



The Company continues to progress discussions with potential equity funding and offtake partners for the Sunrise Project



Nearby exploration drilling has continued to intersect more lateritic nickel and cobalt, demonstrating the optionality embedded in the project





The Sunrise Project is Australia's largest and most advanced battery materials project with a 50-year mine life



Fully integrated from mine to battery chemicals with an average annual metal-equivalent production of 21.3kt of nickel and 4.4kt of cobalt as sulphate



Sustainably designed to operate on 100% renewable power with industry-leading carbon footprint, water re-use and responsible waste management



Low unit costs drive exceptional project economics with average free cash flow (post-tax) of US\$308 million pa and NPV₈ of US\$1.2 billion



Optionality to produce cathode precursor and to recycle spent battery cathode to recover and re-use nickel and cobalt



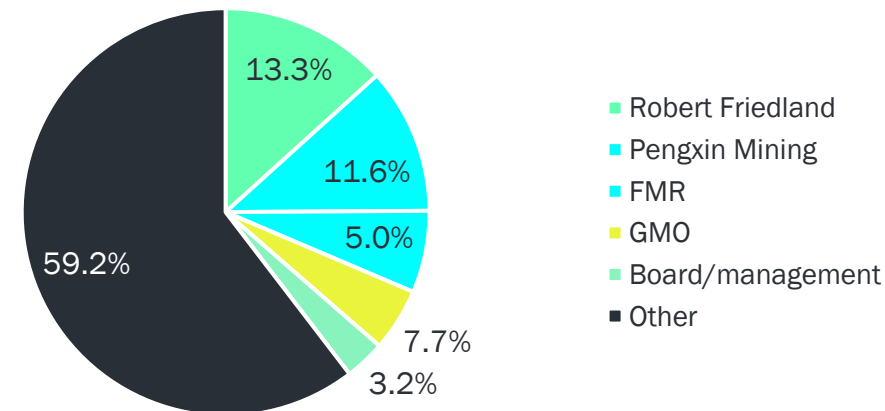
Uniquely positioned as a western world provider of sustainable battery materials – currently engaged on securing funding and offtake



Sunrise Energy Metals Limited

ASX Code	ASX:SRL
OTCQX Code	OTCQX:CTEQF
Shares on Issue	90.1M
Share Price (as 31 Dec 2022)	A\$1.92
Market Capitalisation	A\$173M
Cash (as at 31 Dec 2022)	A\$20.6M
Options and performance rights	2.4M

Major shareholders



Board



Robert Friedland
Co-Chair & Non-Executive Director



Jiang Zhaobai
Co-Chair and Non-Executive Director



Sam Riggall
Managing Director
And Chief Executive Officer



Eric Finlayson
Non-Executive Director



Stefanie Loader
Lead Independent Non-Executive Director



Trevor Eton
Non-Executive Director

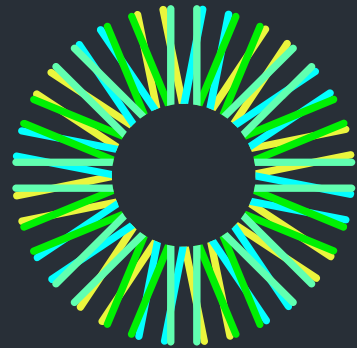


Ben Stockdale
Chief Financial Officer



Melanie Leydin
Company Secretary

Senior Management



sunrise
energy metals

Corporate

Ben Stockdale (CFO)
+61 3 9797 6700

Investors

Craig Sainsbury
craig.sainsbury@automiocgroup.com.au