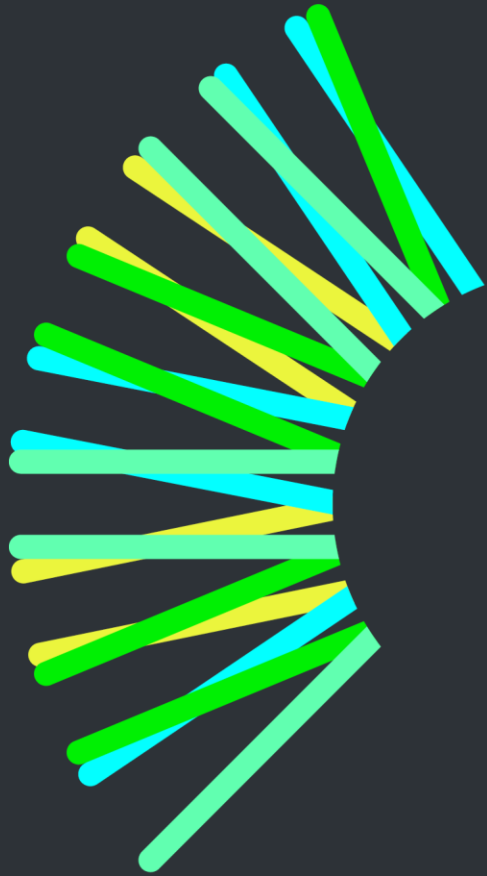




# Sunrise Project Community Consultative Committee

7 June 2023





# Contents

- 1 Sunrise Regional Update – Water Bore Installation, Mineral Exploration & Test Work
- 2 Community Update
- 3 Environmental Management Update
- 4 Environmental Approvals Update
- 5 CCC Member Questions

01

# Sunrise Regional Update – Water Bore Installation, Mineral Exploration & Test Work

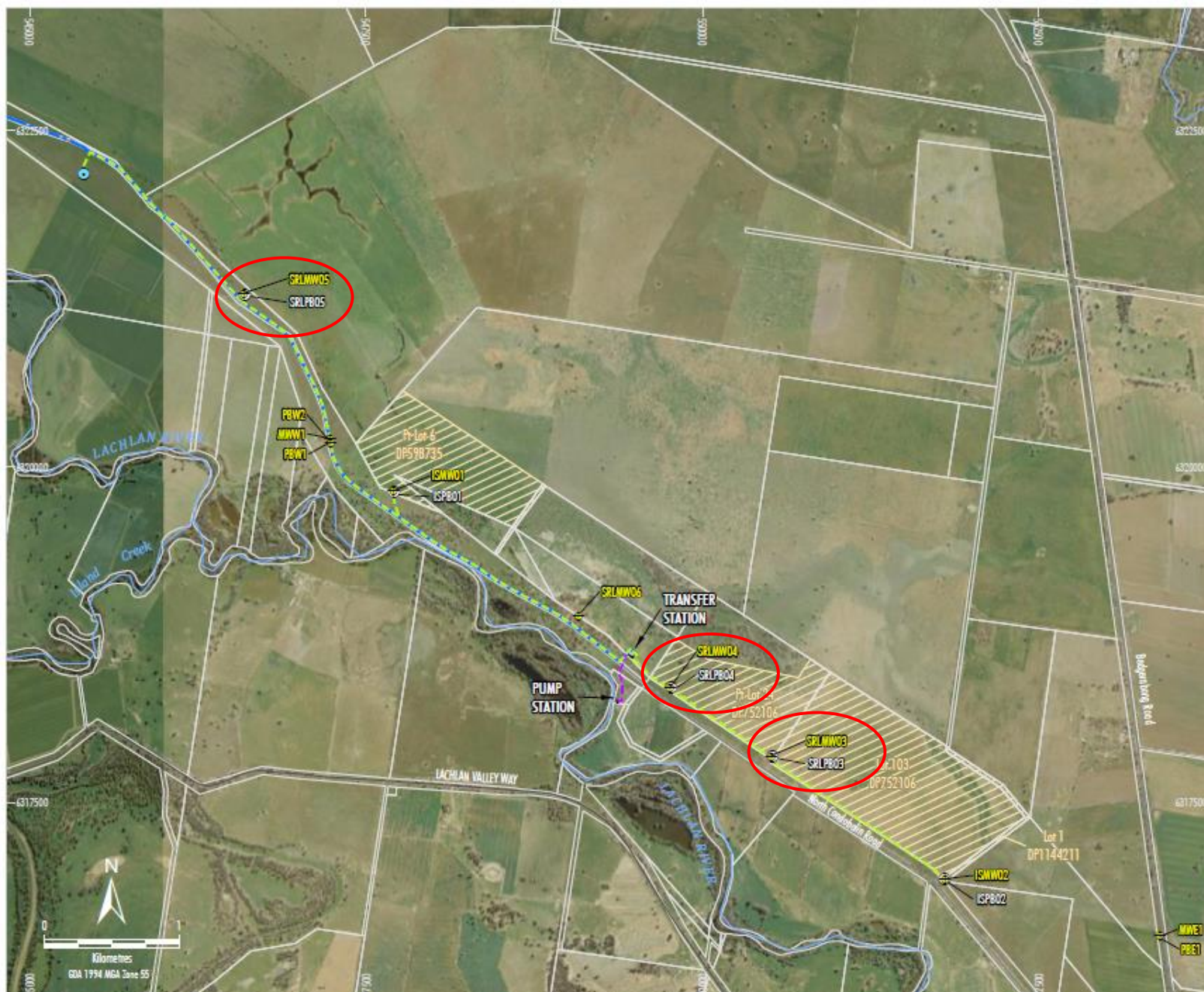


# Water Bore Drilling – Sunrise Project Borefield

- › Sunrise commenced construction of the remaining four approved water bores in April 2023 due to requirements of the Water Supply Works Approval
- › Watson Drilling (Deniliquin) successful tenderer
- › DPE notification of staging of the development
- › Consultation with relevant stakeholders:
  - CCC
  - Landholders (private, Crown Land and nearby)
  - Councils
- › Pilot holes drilled in four locations:
  - Two on private land
  - Two on Crown Land
- › Production bores installed in three locations:
  - Two on private land
  - One on Crown Land







- LEGEND**
- Property Boundary
  - Borefield Location
  - Water Pipeline
  - Borefield Infrastructure Corridor \*
  - Surface Water Infrastructure Corridor \*
  - Monitoring Bore
  - Production Bore (constructed)
  - Production Bore (not constructed)
- \* Infrastructure Corridor includes linking pipeline, access road and electricity transmission line.
- Source: Sunrise Energy Metals (2021); Clean TeQ (2017, 2019);  
 Ivanplats Syerston (2005); NSW Spatial Services (2022)  
 Aerial Imagery: NSW Spatial Services (2021)

  
**SUNRISE PROJECT**  
 Existing Project Network  
 - Borefield



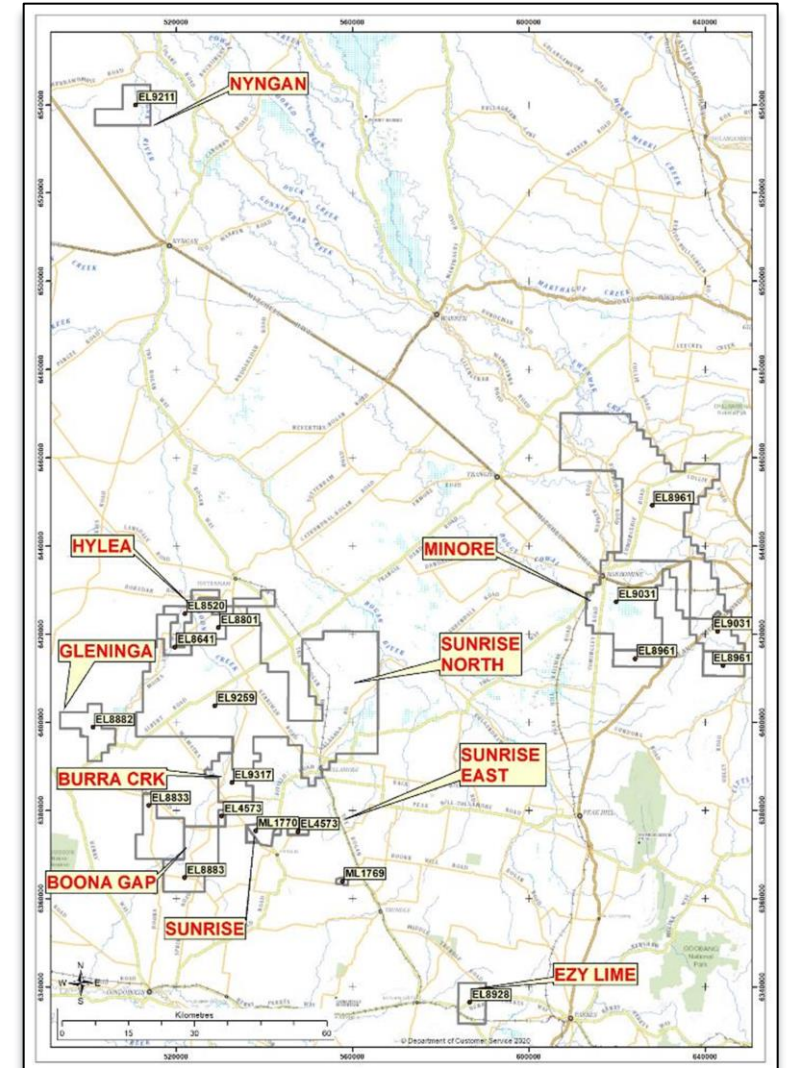


# Water Bore Drilling – Sunrise Project Borefield



# Mineral Exploration in the Region – Limestone

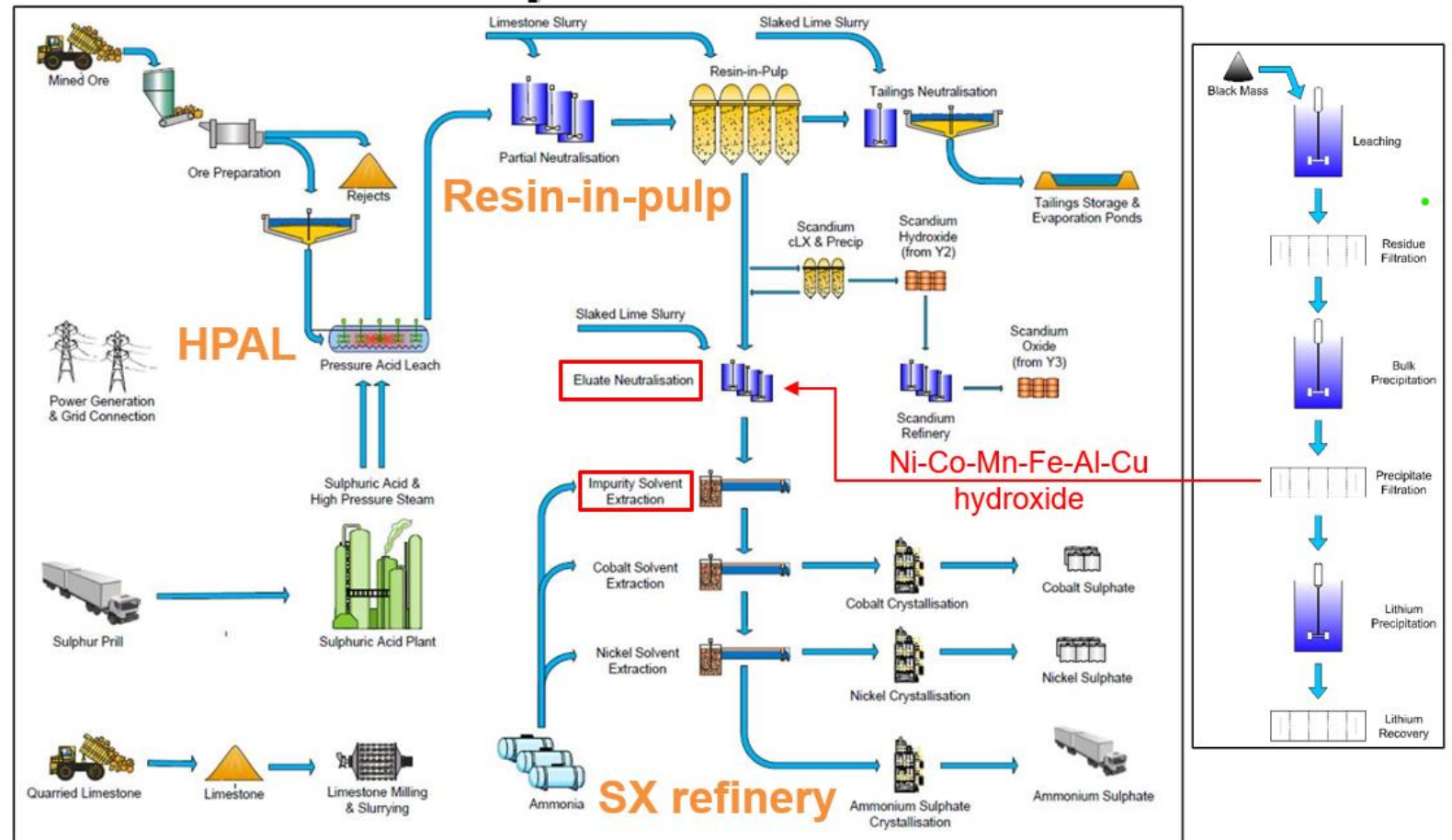
- › Scout reverse circulation (RC) drilling programs have been completed at our Boona Gap & Ezy Lime tenements over the first half of 2023.
- › 25 RC Holes were drilled at the Ezy Lime tenement and 10 RC holes at the Boona Gap tenement
- › These programs showed some encouraging results with further drilling planned within both tenements to better quantify the quantity of material present
- › Identification of a quality limestone supply closer to the Sunrise project presents opportunities to reduce trucking distances for this important bulk reagent





# Test Work & Technology Development

- › Process test work completed to optimize the residence time in the U-Column desorption process for nickel and cobalt. This will be used as an input during the detailed design of the U-Column and downstream Ni & Co refinery
- › Battery recycling test work completed and testing to date has shown that “black mass” from spent batteries can be readily recycled at Sunrise with minor changes to the existing flow sheet
- › Additional engineering and approvals would be required for battery recycling to occur at Sunrise





02

# Community Update



# Community – Working Together

- › Community Events
  - Supported the Trundle Back in Time event on 26<sup>th</sup> March and sponsored the sheaf toss
- › Preparing to support the 2023 local agricultural shows
- › Attended the NSW Minerals Council careers night in Orange on 31<sup>st</sup> May to promote the mining industry as a career pathway for high school students





# Keeping People Informed

## › Community Communication

- Parkes and Condobolin shopfronts are open, first and third Tuesday/Thursday of the month

## › Sunrise Energy Metals website

- Complaints register published monthly, with zero complaints YTD
- Community Complaints line listed on our website – 1800 952 277

<https://www.sunriseem.com/sunrise-project/registering-a-complaint/>

## Registering a complaint

Sunrise Energy Metals is committed to understanding the expectations and concerns of our stakeholders. We achieve this through open and transparent consultation and engagement. We use a range of consultation tools to build respectful relationships including individual stakeholder and public meetings, advertised community gatherings, regular newsletters and the operation of shopfronts in Condobolin and Trundle. Our team of Community Relations specialists work across our communities of influence.

In addition, we have a toll-free Community Complaints Line – available 24 hours, 7 days a week. If you have a formal complaint please call **1800 952 277** and speak with the operator. A member of our Community Relations team will respond to all calls within 24 hours or the next business day.

For all general enquiries, please contact the Sunrise Energy Metals Community Relations team at [community@sunriseem.com](mailto:community@sunriseem.com).

Our complaints register is updated monthly.

[2019 Complaints Register](#)

[2020 Complaints Register](#)

[2021 Complaints Register](#)

[2022 Complaints Register](#)

[2023 Complaints Register](#)

03

# Environmental Management Update





# Environmental Monitoring

- › Continuing environmental monitoring:
  - Air Quality
  - Surface Water
  - Groundwater (December/January and May)
  - Meteorological
- › Depositional dust and Particulate Matter (PM<sub>10</sub> and PM<sub>2.5</sub>)
- › Surface water monitoring events
  - November 2022
- › Groundwater monitoring
  - Next round scheduled for October 2023



04

# Environmental Approvals Update





# Government Reporting

- › Annual project reporting recently completed
  - Annual Return to the EPA
  - 2022 Annual Review to DPE



# Project Execution Plan Modification

- › Updated Environmental Management Plans (EMPs) are on the Sunrise website
  - Air Quality and Greenhouse Gas Management Plan\*
  - Blast Management Plan
  - Biodiversity Management Plan and Revegetation Strategy
  - Environmental Management Strategy
  - Heritage Management Plan
  - Noise Management Plan\*
  - Water Management Plan
  - Traffic Management Plan\* approved April 2023
  - Road Upgrade and Maintenance Strategy\* approved November 2022
  - Rehabilitation Strategy\* approved April 2023

- › Social Impact Management Plan – exemption granted by DPE

\* Required consultation

ENVIRONMENTAL PLANNING AND ASSESSMENT ACT, 1979  
INTEGRATED STATE SIGNIFICANT DEVELOPMENT  
DETERMINATION OF DEVELOPMENT APPLICATION PURSUANT TO SECTIONS 76(A)9 & 80

I, the Minister for Urban Affairs and Planning, pursuant to Sections 76(A)9 & 80 of the Environmental Planning and Assessment Act, 1979 determine the development application ("the application") referred to in Schedule 1 by granting consent to the application subject to the conditions set out in Schedules 2 to 5.

The reasons for the imposition of the conditions are to:

- (i) minimise the adverse impact the development may cause through water, noise and air pollution, and disturbance to archaeological sites, flora and fauna and the visual environment;
- (ii) provide for environmental monitoring and reporting; and
- (iii) set requirements for development infrastructure provision.

Andrew Refshauge MP  
Minister for Urban Affairs and Planning.

SYDNEY, 2001 FILE NO. S98/01078

Red type represents December 2017 modification – MOD 5  
Green type represents May 2018 modification – MOD 6  
Blue type represents September 2018 modification – MOD 4  
Pink type represents January 2022 modification – MOD 7

---

SCHEDULE 1

Applicant: SRL Ops Pty Ltd  
Consent Authority: The Minister for Urban Affairs and Planning  
Land: See Appendix 1  
Development: Sunrise Mine Project

---

Sunrise Mine Project 1



# Non-Urban Water Metering Requirements

- › New water metering requirements came into force on 1 June 2023
- › Application was made to DPE Water to make one groundwater bore inactive – i.e. the pump is no longer capable of taking water
- › New groundwater bores will also be made inactive
- › One bore being fitted with compliant pattern approved meter for supply of drilling water



# Critical Asset Approvals

## › 132kV Electrical Transmission Line (ETL)

- Conditional Offer of \$10M Grant Funding from NSW Critical Minerals and High-Tech Metals Activation Fund
- Connection agreement with Network Service Providers progressing including initial line design completed with Essential Energy
- First 40km of the ETL will replace the existing 66kV Trundle supply line with a dual 132/66 kV line
- This will provide additional network capacity and growth opportunity in the region (ie. loads & renewables)
- Landholder discussions continuing
- Licence application over Crown Land submitted



# Critical Asset Approvals

## › Raw Water Pipeline and Borefield

- Short term licence granted by Crown Lands for drilling of pilot holes
- Licence granted by Crown Lands for installation of production bore on Crown Land
- Licence and easement application over Crown Land progressing

## › Oversize Transport Route (Port Pirie to Sunrise)

- Grant Funding of \$500K received from NSW Critical Minerals and High-Tech Metals Activation Fund to undertake design and approvals activities to de-risk the oversized transport route
- GHD engaged to complete civil and electrical designs for route modifications and develop the approvals plan for the construction phase of the oversized transport route.
- Work is scheduled for completion by Q3 2023.

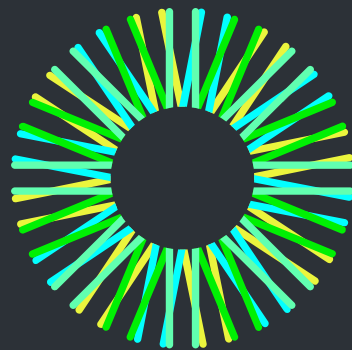


05

## CCC Member Questions



Thank you



**sunrise**  
energy metals