ASX ANNOUNCEMENT

Strategic Energy Resources

5 March 2024

MUNDI MAGNETOTELLURIC INFILL SURVEY UNDERWAY

HIGHLIGHTS

- **Infill Magnetotelluric (MT) survey underway to refine location of the intense conductive anomaly identified between ~700m and ~2500m depth within Proterozoic basement**
- **One week survey designed in consultation with Professor Graham Heinson (University of Adelaide) will provide a new scientific model of the highly conductive body at depth**
- **Results of the advanced 2D- and 3D- modelling to be used to design a ground Electromagnetic survey (EM)**

Strategic Energy Resources Limited ("**SER**" or "**the Company**") is pleased to announce the commencement of a follow-up Magnetotelluric (MT) survey at the 100% held Mundi Project in New South Wales. The Mundi Project is a large-area, conceptual greenfield exploration project spanning over 1300 square kilometres of the Curnamona Province, located approximately 115km NNW of Broken Hill. The Curnamona Province is a known iron oxide copper-gold (IOCG) mineral province with the potential for other mineral systems, such as Broken Hill Type Pb-Zn-Ag. The Project area has no known basement outcrop and very limited previous exploration.

Commenting on the infill MT program, SER Managing Director, Dr David DeTata said:

'The results of the initial MT survey were outstanding in regards to both the size and intensity of the conductive anomaly identified. This follow-up survey was designed with Professor Graham Heinson to better constrain the shallowest and most intense portion of the anomaly. This new dataset will greatly improve our understanding of the upper parts of the anomaly and will be used to define the location of a ground EM survey, which we intend to complete before mid-year'.

MAGNETOTELLURIC SURVEY DESIGN AND EXECUTION

An initial MT survey was undertaken last year at the Mundi Project targeting the shallowest portion of the Curnamona Conductor (CC), a crustal-scale conductivity anomaly that has strong similarities to MT conductivity anomalies that have been interpreted to be associated with IOCG mineralisation in South Australia's Gawler Craton[1]. The four line, 95-station survey was designed to cross both the Stanley Fault and interpreted CC, to resolve the relationship between the two features. Advanced modelling of this data revealed a large, high-intensity conductive anomaly, which appears to be centred on Lines C and D of the survey but reaches its shallowest depths of less than 700m below surface between lines B and C[2]. Modelled resistivities in the core of the anomaly reached values of less than 0.1 ohm.m which is mapping an unusually highly conductive feature.

The two infill lines will feature the same 400m station spacing of the initial MT survey but will close the current line spacing of 5700m between lines B and C to 1900m, allowing the modelling to better define the shallow structure of the conductive body (Fig. 1).

[1] SER ASX Announcement 21 September 2023
[2] SER ASX Announcement 8 November 2023

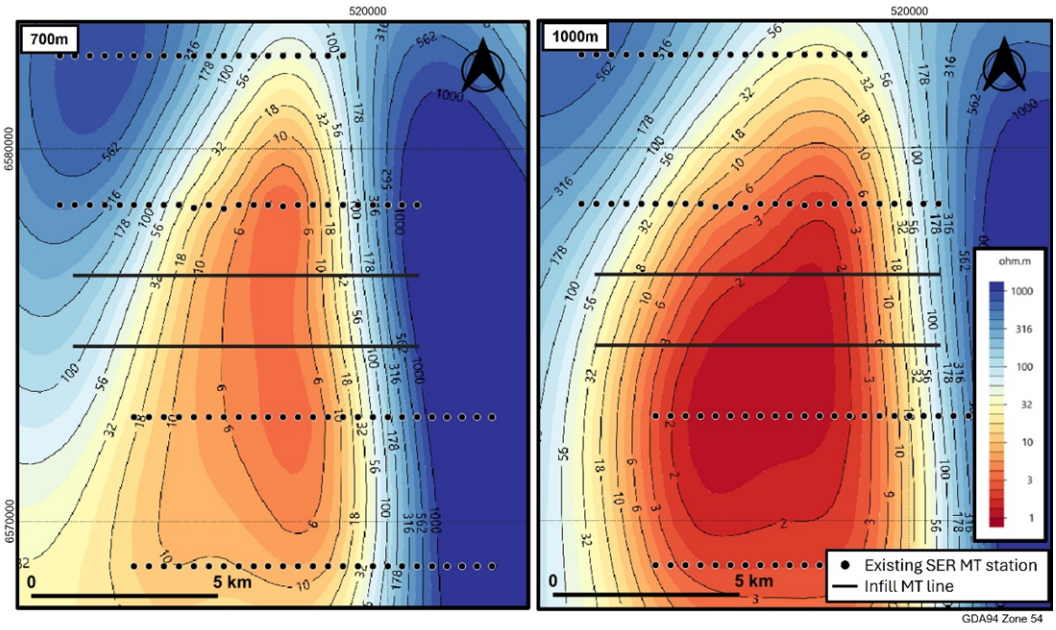

Figure 1: 700m and 1000m resistivity depth slices of the current 3D conductivity model, showing the location of existing SER MT recording stations and the two infill lines.

NEXT STEPS

SER's previous MT survey was successful in confirming that the crustal-scale CC extends to explorable depths near surface within SER's project area. However, additional data is needed over the shallowest portion of the conductive anomaly to better constrain its geometry and near-surface expression. The new data will be integrated with other available geological and geophysical datasets to refine the initial 3D model of the conductor and to design a ground EM survey that SER expects to generate one or more targets for drill testing within the next 12 months.

This announcement is authorised by the Strategic Energy Resources Limited Board.

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About Strategic Energy Resources
Strategic Energy Resources is a specialized undercover mineral explorer and project generator focused on discovery in the Greenfield frontiers of Australia. Our science driven, expert technical team leverage collaborations with government and private partners in our search for the next major mineral deposit.