**ASX ANNOUNCEMENT**

09 April 2026

# Marquee Secures DOE Linked Oak Ridge National Laboratory's IP License for Extraction and Separation of REE

## HIGHLIGHTS

- **Marquee enters Research and Development Patent License and Option Agreement with UT-Battelle LLC, manager and operator of Oak Ridge National Laboratory under Contract with the United States Department of Energy (DOE).**
- **Agreement gives Marquee access to rare earth extraction and separation intellectual property within a U.S. national laboratory operating framework linked to the United States Department of Energy.**
- **Rare earth separation sits at a critical value inflection point in supply chains serving permanent magnets, electrification, defence systems and advanced manufacturing.**
- **Licensed patent portfolio includes separation methods of Adjacent Lanthanide Elements and Neutral Ligand-Based Rare Earth Element Separation Technology (NEAREST).**
- **The field of use covers the extraction and separation of rare earth elements and rare earth oxides from MQR's Redlings REE Project.**
- **24 month licence term across Australia and the USA.**
- **MQR holds an option during the term to negotiate a Commercial License for the extraction and separation of REE and REO's.**
- **Agreement materially strengthens Marquee's strategic positioning in assessing downstream rare earth processing opportunities for the Redlings REE Project located in Western Australia.**

Marquee Resources Limited (ASX:MQR) ("**Marquee**" or "the **Company**") is pleased to announce it has entered into a Research and Development Patent License and Option Agreement with UT-Battelle LLC ("**UT-Battelle**"), the Tennessee non-profit limited liability company that manages and operates Oak Ridge National Laboratory under Prime Contract No. DE-AC05-00OR22725 with the United States Department of Energy ("**DOE**"), an agency of the United States Government.

The Agreement provides Marquee with a Research and Development License over certain patented rare earth separation technologies, together with an option during the term to negotiate a commercial license for the extraction and separation of Rare Earth Elements (REE) and Rare

Earth Oxides (REO). Importantly, the Agreement places Marquee into a formal licensing framework connected to Oak Ridge National Laboratory through UT-Battelle's management of the laboratory for the DOE.

Rare earth separation capability is increasingly recognised as one of the highest-value and most strategically sensitive steps in the critical minerals supply chain. While mineral endowment is important, the ability to separate and refine rare earth elements into downstream usable products is where substantial technical, strategic and commercial value can emerge. In that context, Marquee considers the Oak Ridge / DOE linkage to be particularly significant in developing new methodologies that significantly improve efficiencies and the prohibitive costs of traditional separation methods of REE's.

Marquee wishes to use the extensive expertise of the personnel located at Oak Ridge Laboratory's, to help it advance the development of its Redlings REE Project located in Western Australia. The Company in 2025 announced its Maiden JORC Mineral Resource Estimate (MRE) of 11Mt at 1,130ppm TREO for 12,430t of contained REO. Of this, magnetic rare-earth oxides (MREO's) comprise 2,316t of contained MREO at 211ppm.

A JORC Exploration Target of 204-306Mt at 950-1,130ppm TREO for 194,000-346,000t of contained REO has been defined surrounding the existing Redlings MRE. A thirteen-fold increase in the area could be delivered with a 160x160m spaced infill drilling program which could 'link' the currently separate mineralised prospects to add significant tonnage to the existing Redlings MRE (Refer ASX release 22 January 2025 for further details).

## Executive Chairman Comment

**Charles Thomas, Executive Chairman, commented:**

*"This Agreement is significant for Marquee not only because of the underlying rare earth separation technology, but because it is with UT-Battelle, the manager and operator of Oak Ridge National Laboratory under its prime contract with the United States Department of Energy (DOE). That association materially strengthens the strategic and technical significance of this transaction for the Company."*

*"Rare earth separation is the bottleneck between geological potential and downstream value creation. The ability to assess advanced separation pathways within a framework tied to Oak Ridge National Laboratory and the DOE gives Marquee a differentiated platform from which to evaluate future commercial opportunities for our Redlings REE Project and other REE deposits that the Company may discover."*

## Overview

The Agreement is directed to the extraction and separation of rare earth elements and rare earth oxides from Marquee's Redlings REE Project in WA. The licence applies in Australia and the United States for a period of twenty-four months from the effective date.

The licensed patent portfolio presently includes:

- Method for Separation of Adjacent Lanthanide Elements; and
- Neutral Ligand-Based Rare Earth Element Separation Technology (NEAREST).

**Table 1: Licenced Patents**

| Docket No. | Country | Title | Inventors | IP Owner(s) | Ser. No./ Pat. No. | Filing/ Issue Date |
|---|---|---|---|---|---|---|
| 202104954 .US.01 | us | Method for Separation of Adjacent Lanthanide Elements | Santa Jansone-Popova, Ilja Popovs, Katherine R. Johnson | UT-Battelle | US-2023-0366059 (18/195,099) | November 16, 2023 (Filed May 9, 2023) |
| 202506059 .US.00 | us | Neutral Ligand- Based Rare Earth Element Separation Technology (NEAREST) | Santa Jansone-Popova, Subhamay Pramanik, Barbara Evans, Marcy Lamb | UT-Battelle | 63/989,969 | February 24, 2026 |

Rare earths underpin a broad and expanding group of end markets, including permanent magnets, electric vehicles, wind turbines, robotics, defence applications, aerospace systems and advanced electronics. As a result, secure separation capability has become increasingly important to industrial strategy, supply chain resilience and long-term value capture within the critical minerals sector.

Against that backdrop, intellectual property and process pathways that may improve rare earth separation outcomes both (technically and commercially) can command strategic importance well beyond the upstream exploration and development stage. Marquee considers this Agreement to be an important entry point into that higher-value part of the supply chain, particularly given the connection to Oak Ridge National Laboratory's DOE operating framework and how this may change the economics of the Redlings REE Project.

## Strategic Positioning

Marquee views the Agreement as an important strategic step in assessing whether advanced separation technologies managed within the Oak Ridge / DOE operating framework may have application to our existing JORC REE deposit at Redlings (or any other REE sources that become available to the Company). The structure of the Agreement gives Marquee immediate research access while preserving a defined pathway to negotiate commercial rights in respect of the application of the separation technology to the Redlings REE Project, during the term.

In practical terms, the Agreement allows Marquee to begin evaluating whether UT-Battelle's technology-linked downstream processing optionality may sit alongside its upstream critical

minerals exposure. This combination has the potential to broaden the Company's strategic relevance and, if successful, be the key to Marquee moving to the higher-value downstream end of the rare earth supply chain from its Redlings REE Project.

## Material Terms of the Agreement

1. Marquee has been granted a non-commercial Research and Development License under the patents (Table 1) for the extraction and separation of rare earth elements and rare earth oxides from any deposit or source available to Marquee (Field of Use).
2. The territory under the Agreement is Australia and the United States. (Any future Commercial License would be subject to separate negotiation and would include conditions referenced in the agreement, including U.S. manufacturing requirements unless otherwise approved or waived by the relevant U.S. authorities)
3. The term of the Agreement is twenty-four months from the effective date.
4. Marquee will reimburse UT-Battelle for patent costs incurred for all licensed patents during the term of the Agreement.
5. During the term, Marquee has the option to negotiate a Commercial License for the use of the Intellectual Property relating to the extraction and separation of rare earth elements and rare earth oxides from the Company's REE Projects.
6. There is no material obligation for Marquee to provide any minimum level of funding during the term of the Agreement.

## Next Steps

- Proof of concept using up to three different REE ores from Marquee's REE Projects by 30 September 2026;
- Expected first prototype of a licensed product used to separate elements and oxides from the Company's existing REE Projects by 30 June 2027; and
- Application for a Commercial Licence in respect of the application of the separation intellectual property from the Company's REE Projects (must be made by 29 February 2028).

**- Ends -**

This announcement has been authorised for release by the Board of Marquee Resources Limited.

Charles Thomas

**Charles Thomas**
Executive Chairman
Marquee Resources Limited

ASX ANNOUNCEMENT

MARQUEE RESOURCES LIMITED

## FORWARD-LOOKING STATEMENTS

This release contains forward-looking statements regarding the future performance, production, resources and exploration outcomes of Marquee Resources Limited. Forward-looking statements are inherently subject to uncertainties and risks. Actual results may differ materially. Marquee undertakes no obligation to update forward-looking statements except as required by applicable securities laws.

## ASX LISTING RULE 5.23 STATEMENT

The information in this announcement that relates to exploration results is extracted from, or based upon, the Company's previously released ASX announcements, including but not limited to:

• Redlings REE Maiden Mineral Resource Estimate - 22 January 2025

The Company confirms that it is not aware of any new information or data that materially affects the information included in those announcements, and that all material assumptions and technical parameters underpinning the exploration results and mineral resource estimates continue to apply and have not materially changed. This announcement does not include any new exploration results, mineral resources or ore reserves and is provided as an update on planning, sequencing and future exploration activities.



P +61 08 9388 0051
E info@marqueeresources.com.au
W www.marqueeresources.com.au

**Office Address:**
22 Townshend Road
Subiaco WA 6008