

Notice of Determination

Appendix D

To:

Office of Planning and Research
 U.S. Mail: _____ Street Address: _____
 P.O. Box 3044 1400 Tenth St., Rm 113
 Sacramento, CA 95812-3044 Sacramento, CA 95814

County Clerk
 County of: _____
 Address: _____

From:

Public Agency: California Energy Commission
 Address: 715 P Street
 Sacramento, CA 95814
 Contact: Chuck Gentry
 Phone: _____

Lead Agency (if different from above):
 Imperial County Planning & Development Services
 Address: 801 Main Street
 El Centro, CA 92243
 Contact: Jim Minnick
 Phone: 442-265-1736

SUBJECT: Filing of Notice of Determination in compliance with Section 21108 or 21152 of the Public Resources Code.

State Clearinghouse Number (if submitted to State Clearinghouse): #2022030704

Project Title: Geothermal Brine Pretreatment and Metal Recovery

Project Applicant: Materials Research LLC

Project Location (include county): 7903 Davis Rd, Calipatria, CA, (Imperial County)

Project Description:

The Energy Commission has considered relevant CEQA documents (SCH# 2022030704) including the Environmental Impact Report and Notice of Determination as prepared by the lead agency (Imperial County). The County approved Conditional Use Permits No. 21-0020 and 21-0021, on January 23, 2024. On March 17, 2025, the Energy Commission approved a grant to Material Research LLC to develop a geothermal brine treatment process based on metal sulfide precipitation. This new process will remove interfering minerals to enable direct lithium extraction and allow the recovery of valuable critical minerals like zinc and manganese from the geothermal brine.

This is to advise that the California Energy Commission has approved the above
 (Lead Agency or Responsible Agency)

described project on 3/17/25 and has made the following determinations regarding the above
 (date)
 described project.

1. The project [will will not] have a significant effect on the environment.
2. An Environmental Impact Report was prepared for this project pursuant to the provisions of CEQA.
 A Negative Declaration was prepared for this project pursuant to the provisions of CEQA.
3. Mitigation measures [were were not] made a condition of the approval of the project.
4. A mitigation reporting or monitoring plan [was was not] adopted for this project.
5. A statement of Overriding Considerations [was was not] adopted for this project.
6. Findings [were were not] made pursuant to the provisions of CEQA.

This is to certify that the final EIR with comments and responses and record of project approval, or the negative Declaration, is available to the General Public at:

<https://www.energy.ca.gov/files/march-17-2025-business-meeting-backup-materials>

Signature (Public Agency): Chuck Gentry Title: Mechanical Engineer

Date: 6/13/2025 Date Received for filing at OPR: _____