

DOCKETED

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Project Title:	Compliance - Application for Certification of DWR Bottlerock Geothermal Project
TN #:	268064
Document Title:	DATA REQUESTS – SET No 7 – GEOLOGICAL, PALEONTOLOGICAL, AND MINERAL RESOURCES
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Filer:	Anwar Ali
Organization:	California Energy Commission
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December 29, 2025

Brady Olson
Chief Executive Officer
Open Mountain Energy
3451 N Triumph Blvd STE 201
Lehi, Utah 84043

Data Requests Set No. 7 - Bottle Rock Geothermal Power Plant (79-AFC-04C)

Dear Brady Olson:

The California Energy Commission (CEC) staff is asking for the information specified in the enclosed Data Requests which is necessary for the staff analysis of the Bottle Rock Geothermal Power Plant petition to amend (PTA) (TN # 262318). The Mayacma Geothermal, LLC, proposes to construct and operate a 7.5-megawatt (MW) Binary Geothermal Power Plant within the Bottle Rock Power Plant (BRPP) site.

These Data Requests seek further information in the areas of Project Description and the operational profiles for both the proposed 7.5 MW Binary project as well as the CEC-licensed 55 MW BRPP, based on the information provided in the PTA.

To assist CEC staff in timely completing its environmental review and to meet the requirements of CEQA (see Cal. Code Regs., tit. 14, §§ 15108, 15109), the CEC staff is requesting responses to the data requests within 30 days. If you are unable to provide the information requested or need to revise the timeline, please let me know within 10 days of receipt of this letter.

**DATA REQUESTS – SET NO. 7 – GEOLOGY, PALEONTOLOGY,
AND MINENRALS**
BOTTLE ROCK GEOTHERMAL POWER PLANT (79-AFC-04C)

If you have any questions, please email me at anwar.ali@energy.ca.gov.

Anwar Ali

Anwar Ali, Ph.D.

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Compliance, Monitoring and

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Enclosure: Data Requests – Paleontological, Geological, and Mineral Resources.

DATA REQUESTS – SET NO. 7 – GEOLOGY, PALEONTOLOGY, AND MINERALS

BOTTLE ROCK GEOTHERMAL POWER PLANT (79-AFC-04C)

Technical Area: Geology, Minerals, and Paleontology

Author: Kevin M. DeLano, P.G., M.S.

BACKGROUND: The Petition to Amend (PTA), Section 3.4 – Geologic Hazards and Resources, states the applicant will complete a geotechnical investigation and final geotechnical report for the proposed modifications to the Bottle Rock Power Plant (BRPP). Staff requires a site-specific preliminary geotechnical investigation to evaluate potential impacts from the proposed modifications on geologic hazards and the impact of geologic hazards on the proposed modifications.

Staff agrees that a final geotechnical and geohazard report, consistent with requirements in existing COCs and the 2022 CBC, Section 1803, is needed in the future to inform the project's final design, grading, and construction. Staff agrees that final design of the proposed modifications to the BRPP should comply with all proposed mitigation related to geologic hazards in the final geotechnical and geohazard report.

DATA REQUEST

1. Please provide a timeline for when a site-specific preliminary geotechnical investigation will be completed and submitted to the CEC for review.

BACKGROUND: The PTA, Section 3.8 – Paleontological Resources states the proposed modifications to the BRPP would have no impact on paleontological resources. Appendix F – Water Supply Assessment, states that the Franciscan Formation underlies the BRPP. The Franciscan Formation is a mélange of rock types and varying amounts of deformation. Deformation is a natural geologic process that may damage or destroy fossils.

The PTA, Appendix F – Water Supply Assessment, Section 3.1, states greywacke, shale, and sheared shale rocks underlie the power plant pad at the BRPP. Greywacke is a sedimentary rock that does not usually preserve fossils because greywacke rocks form in marine landslides. Shale is a sedimentary rock that often preserves fossils because shale rocks usually form in low-energy marine environments. The section also notes that alluvium overlies graywacke in the embankment foundation area. Alluvium, a Quaternary sedimentary deposit, may preserve fossils.

The PTA, Section 3.8 states that chert, a potentially fossil-bearing rock formation within the Franciscan Complex, is not mapped at the BRPP.

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The PTA, Section 3.8, states that ground disturbing activities would be contained within previously graded and developed areas.

DATA REQUEST:

2. In the site-specific preliminary geotechnical investigation requested above, please clarify the spatial extent and depth of ground disturbing activities within undisturbed rock formations and Quaternary sedimentary deposits.
3. Provide all past paleontological studies that were performed for the BRPP, including, but not limited to: *"Archaeological Services, Inc. 2010.*, for "Bottle Rock Power Stream Project Cultural Resources Investigation Near Glenbrook, Lake County, California."