

Peer Review Plan

Date: 04/07/2025

Source Center: U.S. Geological Survey (USGS)
Geology, Minerals, Energy, and Geophysics Science Center
350 N. Akron Rd.
Moffett Field, CA 94035

Title: Enhanced Geothermal Systems (EGS) Electric-Resource Assessment for the Great Basin, USA.

Subject and Purpose: This product summarizes the results of the updated provisional Enhanced Geothermal Systems (EGS) electric-grade resource assessment of the Great Basin region of the United States of America (USA). The product outlines and implements the relevant science which is documented in a range of Bureau-approved and published manuscripts and data releases, providing the new best-estimate of EGS resource potential. New findings are summarized in two figures: a map of useful accessible electric-power density for the region and an illustration showing electric-power resource as a function of depth of development (with an example of how future improvements in technology will affect the useful resource estimate). Geothermal energy is a low-carbon energy source that provides base-load electricity—a necessary and desirable component of the US energy portfolio. This product will be released as a USGS Fact Sheet series publication.

Impact of Dissemination: This product is considered by the USGS to be a Highly Influential Scientific Assessment.

Timing of Review (Including Deferrals): March - April 2025. Deferrals are not anticipated at this time.

Manner of Review, Selection of Reviewers, and Nomination Process: USGS will select peer reviewers in accordance with the requirements found in [Survey Manual chapter 502.3 -Fundamental Science Practices: Peer Review](#).

Expected Number of Reviewers: Two reviewers are anticipated.

Requisite Expertise: Geothermal energy systems, including EGS; USGS energy assessment nomenclature and procedures; and broad knowledge of the geology of the United States.

Opportunity for Public Comment: No opportunity for public comment is formally incorporated by the USGS for this product.

Agency Contact: peer_review_agenda@usgs.gov.