



November 2, 2023

SUBJECT: Notice of Availability of Draft Environmental Assessment for the TerraPower, LLC's Test and Fill Facility Project, Lincoln County, WY (DOE/EA-2217)

The U. S. Department of Energy (DOE) is requesting public input on the draft Environmental Assessment (EA) for TerraPower, LLC's (TerraPower) Test and Fill Facility (TFF) Project, located in Lincoln County, Wyoming. DOE is proposing to provide federal funding to TerraPower to construct and operate this facility under the Advanced Reactor Demonstration Program. The Test and Fill Facility is designed as testing site for the TerraPower Sodium reactor's non-nuclear operating systems, particularly those relating to the design's sodium coolant. This facility would receive, sample, process, store, and then deliver liquid sodium to areas where component tests are performed, including the planned Kemmerer Unit 1 reactor. The research conducted at this facility would serve the sodium reactor community around the world, as interest in this technology continues to grow globally.

DOE is the lead federal agency in the preparation of the EA. Pursuant to the requirements of the National Environmental Policy Act (42 U.S.C. 4321 et seq.; NEPA), Council on Environmental Quality regulations (40 CFR Parts 1500 to 1508), and DOE NEPA implementing procedures (10 CFR Part 1021), DOE, prepared a draft EA to evaluate the potential direct, indirect, and cumulative impacts of the proposed project.

Resource Areas Analyzed in the EA

The EA describes and analyzes potential impacts to the human environment that would be caused by the proposed project and, as applicable, identifies possible mitigation measures to reduce or eliminate those impacts. DOE analyzed the following resource areas and issues in the EA:

- Biological Resources
- Socioeconomics
- Environmental Justice
- Cultural and Historic Resources
- Geology and Soils
- Hydrology
- Infrastructure including emergency services, transportation, and traffic
- Accidents and Hazards

Public Involvement

Public involvement is a key component of the NEPA process. DOE welcomes your input on the **DOE/EA-2217: TerraPower, LLC's Test and Fill Facility Project, Lincoln County, WY**. In addition to this notice, you can review the draft EA at: <https://energy.gov/nepa/doeea-2217-terrapower-llcs-test-and-fill-facility-project-lincoln-county-wy-0>

DOE invites you to attend an informational public meeting at the South Lincoln Training & Events Center in Kemmerer, WY on the evening of November 16, 2023, from 5 PM – 8 PM MST. The meeting will be held in an open house format with project posters and subject matter experts available to provide information and help answer questions.

To ensure DOE receives your written comments in time for consideration in preparation of the draft EA, please provide them on or before **December 1, 2023**. DOE welcomes your comments by physical or electronic mail.

Provide comments by physical mail to:

U.S. Department of Energy
ATTN: Jessica Buckley
12011 Sunset Hills Rd
Reston, VA 20190

Provide comments by e-mail to:

Gretchen Applegate, DOE NEPA Document Manager
oced.esh@hq.doe.gov

Before including your address, phone number, email address, or other personal identifying information in your comment, you should be aware that your entire comment—including your personal identifying information—may be made publicly available at any time. While you can ask us in your comment to withhold your personal identifying information from public review, we cannot guarantee that we will be able to do so.

We look forward to hearing from you.

Sincerely,

Gretchen Applegate

Gretchen Applegate
NEPA Specialist