

SPENT NUCLEAR FUEL PACKAGE PERFORMANCE DEMONSTRATION (PPD)

The U.S. Department of Energy (DOE) is making preliminary plans to conduct physical demonstrations on a full-sized spent nuclear fuel (SNF) transportation rail cask, inspired by a history of similar testing endeavors worldwide and recommended by the National Academy of Sciences and the Blue Ribbon Commission. The physical testing – called a Package Performance Demonstration (PPD) – is intended to address transportation safety concerns and build public trust and confidence in SNF transportation safety.

WHAT ARE WE DOING?

DOE is requesting responses to the RFI from sources capable of providing information, feedback, or services. The RFI is organized to gather input across multiple categories:

- Category A: Stakeholder Input and Feedback
- Category B: Cask Vendors
- Category C: Testing Facilities, Sites, and Services to Conduct Demonstrations
- Category D: Instrumentation, Data Collection, and/or High-Resolution Videography Services
- Category E: Miscellaneous Questions for Potential Vendors and Service Providers

WHY ARE WE DOING IT?

This RFI is intended to inform interested parties of DOE's preliminary plans for a PPD and gather feedback from stakeholders and potential suppliers. The responses will help the DOE assess interest and inform decisions regarding a potential PPD. Additionally, the feedback may identify parties and resources that might have interest in responding to a future Request for Proposal (RFP). This RFI is not a solicitation, but a way for the DOE to gauge interest, capacity, and capability in preparing for a potential PPD. DOE will ultimately decide how to proceed subject to the constraints of authorization, funding appropriations, and practical/technical feasibility.

WHEN ARE WE DOING IT?

Extended Submission
Deadline: Please submit
your response by
**5:00 PM MDT on
October 31, 2024**

WHO SHOULD RESPOND?

DOE welcomes responses to the RFI from a wide range of sources, including parties with an interest in SNF transportation who can provide feedback on what kind of demonstrations DOE should conduct and other related information. In addition, we invite input from potential suppliers that could provide products and/or services for a proposed PPD. This includes cask vendors, testing facilities/sites to conduct demonstrations, and potential vendors to provide instrumentation, data collection, and/or high-resolution videography services. Domestic (U.S.) and international responses are welcome.

HOW CAN I PARTICIPATE, AND WHO DO I CONTACT?

Learn more about the PPD by reading background information, staying updated on project planning, and [subscribing to email](#) updates at our information portal: <https://curie.pnnl.gov/DOE-PPD>.

[Get the RFI](#) and submit RFI responses via email to DOE-PPD@id.doe.gov.

Submissions do not need to address every question; we encourage interested parties to respond to the questions most applicable to them.

Tune into DOE's planned webinars and informational Q&A sessions, which will be advertised on the information portal and through email updates.

