

OMB Control Number: 1910-XXXX

Expiration: XX/XX/XXXX

HALEU is defined as uranium enriched between 5% and 20% uranium-235, and HALEU enriched between 10-20% will be required by several advanced reactor designs currently under development. Multiple stakeholders will require HALEU for commercial and research purposes in the coming years, including advanced reactor designers, traditional nuclear fuel and nuclear reactor vendors, Advanced Reactor Demonstration Program awardees, and other companies and organizations engaged in nuclear research and development.

For stakeholders that plan to utilize HALEU enriched between 10 and 20%, please provide the following information:

- 1) A short summary of the stakeholder's planned commercial and research needs for HALEU including:
 - a. The type of reactor system or facilities that would use the fuel,
 - b. Projections regarding the number of reactors or facilities, and
 - c. Current status and future plans for licensing and regulatory milestones,
 - d. Plans for U.S. and international deployment.
- 2) The number of metric tons of uranium required per year (MTU/yr) where the year listed is the delivery date of HALEU required for fuel fabrication or fuel qualification experiments.
- 3) The specific enrichment percentage or range of enrichment percentages required between 10 and 20%.

4) The chemical and physical form of HALEU required (metal, oxide, etc.).

Table 1. HALEU needs by year

	2023	2024	2025	2026	2027	2028-2032	2033-2037
MTU/yr							
Specific enrichment % or range of enrichment required between 10-20%							

5) For small quantity requests for HALEU below the MTU range please provide:

- a. An individual point of contact for resolving questions related to the request (name, organization, title, email address, phone number).
- b. Quantity requested (in kilograms), enrichment level, and form (e.g., UF₆, metal, oxide, other).
- c. Desired delivery date(s) for HALEU. Provide multiple dates and quantities if that would be the case to support multiple experiments over time.
- d. How will the HALEU be used? Briefly describe the fuel form, fabrication, and experiments to be conducted. Provide a schedule.
- e. Is this activity associated with an existing public-private partnership or cost-shared agreement? If so, please identify the agreement.
- f. Describe your capabilities, experience, and financing that will enable you to use the HALEU for the intended purpose on the schedule provided.
- g. Describe your progress in achieving the following:

- i. *Regulatory approvals*
 - ii. *Fabrication services*
 - iii. *Access to experimental facilities*
 - iv. *Capabilities to ship/receive HALEU*
 - v. *Any other areas that are required to execute your plans.*
- h. Provide detailed material specifications for the HALEU including contamination and purity limits.
- i. Provide any other requirements that would be important for us to know in processing your request.

Paperwork Reduction Act Burden Disclosure Statement

This data is being collected to conduct planning activities for a HALEU Availability Program by the Department of Energy. The data you supply will be used for long-term HALEU production planning and near term small quantity request prioritization.

Public reporting burden for this collection of information is estimated to average eight hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Office of the Chief Information Officer, Enterprise Policy Development & Implementation Office, IM-22, Information Collection Management Program (enter OMB control number), U.S. Department of Energy, 1000 Independence Ave SW, Washington, DC 20585; and to the Office of Management and Budget (OMB), OIRA, Paperwork Reduction Project (enter OMB control number), Washington, DC 20503.

Notwithstanding any other provision of the law, no person is required to respond to, nor shall any person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a currently valid OMB control number.

Submission of this data is voluntary.