

U.S. DEPARTMENT OF ENERGY HALEU SUPPLY CHAIN CONTRACTS

1. HALEU Enrichment Contracts (UF₆ Gaseous Form)

The **U.S. Department of Energy (DOE)** has established a base supply chain to produce High-Assay Low-Enriched Uranium (HALEU) in the form of **uranium hexafluoride (UF₆) gas**. These Indefinite Delivery/Indefinite Quantity (IDIQ) contracts are designed to eliminate U.S. reliance on Russian uranium supplies.

Contractors Selected:

- American Centrifuge Operating, LLC (Centrus Energy)
- Louisiana Energy Services, LLC (URENCO USA)
- Orano Federal Services, LLC
- General Matter, Inc.

Total Award Amount Pool: Up to **\$2.7 billion** total across a maximum performance period of 10 years. Individual funding allocations depend on subsequent task orders.

- *Note:* Separately, Centrus Energy finalized a specific base task order valued at **\$900 million** (expanding up to **\$1.07 billion** with options) to transition its Piketon, Ohio demonstration cascade into commercial-scale operation.

2. HALEU Deconversion and Fuel Fabrication Contracts

Following enrichment, the UF₆ gas must undergo **deconversion** to be transformed into solid chemical formats—specifically **uranium oxide or uranium metal**—which are then fabricated into solid fuel elements required by advanced reactor designs (such as TerraPower's Sodium and X-energy's Xe-100).

- **Total Award Amount Pool:** Up to **\$800 million** total for a period of up to 10 years. Each chosen contractor receives a minimum guarantee of **\$2 million** to bid on future specific task orders.
- **Contractors Selected & Fuel Form Types:**

Contractor Name	Contracted Fuel Element / Form Types
Nuclear Fuel Services, Inc. (BWX Technologies)	Oxide and Metal HALEU forms for advanced reactor fabrication.
American Centrifuge Operating, LLC (Centrus Energy)	Uranium oxide and uranium metal forms.
Framatome Inc.	Oxide and metal HALEU product forms, leveraging its patented dry conversion process.
Global Nuclear Fuel-Americas, LLC (GE Vernova)	Oxide and metal HALEU forms for advanced reactor fuel elements.
Orano Federal Services, LLC	Integrated deconversion, storage, and transport of uranium metal/oxide forms.
Westinghouse Government Services, LLC	Uranium oxide and metal solid fuel fabrication configurations.

If you would like, I can provide more details regarding:

- The **technologies** utilized by these contractors (e.g., specific centrifuge setups or dry conversion methods)
- The specific **advanced reactor designs** scheduled to receive the initial batches of this fuel
- A deeper breakdown of the **HALEU Availability Program** timeline

References: via Google Gemini 10/10/26

[[1](#), [2](#), [3](#), [4](#)]