

Securing A Fully American Supply Chain for Nuclear Fuel

In recent decades, the United States has gone from being the world's largest nuclear fuel exporter to the world's largest importer. In fact, today nearly 100 percent of the world's enrichment capacity belongs to a handful of foreign, state-owned entities from Russia, China, and Europe.

Centrus Energy, a trusted nuclear fuel supplier and longstanding national security partner to the U.S. government, is leading the effort to restore an American-owned supply chain for enriched uranium.

As a first step, under contract with the U.S. Department of Energy, Centrus designed, licensed, and constructed a cascade of sixteen AC100M centrifuges in Piketon, Ohio, and in late 2023 began producing an advanced nuclear fuel called "High-Assay, Low-Enriched Uranium" (HALEU). It is the first new, American-owned, American-technology enrichment plant to begin production since 1954.



The initial capacity of the plant is modest, but its potential is immense. With sufficient public and private funding, and customer purchase commitments, Centrus' goal is to scale up capacity with thousands of additional centrifuges to meet the full range of commercial and national security requirements for enriched uranium.

An American Technology, Built By American Workers



Centrus is competing for funding under a set of RFPs from the U.S. Department of Energy, which are backed by more than \$3.4 billion approved by Congress. This represents the largest such investment in decades – and should be invested in American companies, using American technology, built by American workers. The United States cannot afford to squander this historic opportunity to restore its domestic nuclear fuel supply chain.

While all other centrifuge designs in commercial operation today are manufactured exclusively overseas, Centrus manufactures its AC100M centrifuges in Oak Ridge, Tennessee. For a large-scale deployment of new domestic enrichment capacity, Centrus would mobilize an American manufacturing and construction supply chain that includes at least 14 other major suppliers with work locations in at least 13 states and many, many more smaller suppliers across the country.

Supporting American Jobs

The total number of jobs supported depends upon the scale of deployment, which will be based upon the available funding as well as market demand. However, expanding the plant to produce Low-Enriched Uranium (LEU) for existing reactors and HALEU for advanced reactors would support thousands of construction, manufacturing and operations jobs in Ohio, Tennessee and across the nationwide supply chain. Indirect jobs would be a multiple of that.

Working together in partnership between industry and government, America can do great things. Rebuilding our domestic uranium enrichment capacity is one of them. Now is the time to rebuild with an American technology, built by American workers, with an American supply chain.



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Major Suppliers: Manufacturing & Construction Preliminary List

Centrus Energy has lined up more than 14 domestic suppliers across the country to help expand our enrichment capacity. These include:

- **Curtiss-Wright** -- Cheswick, Pennsylvania
- **Fluor** -- Houston, Texas & Greenville, South Carolina
- **Geiger Brothers** -- Jackson, Ohio
- **Hexcel** -- Salt Lake City, Utah
- **Kaiser Aluminum** -- Spokane, Washington
- ****Longnecker & Associates** -- Las Vegas, Nevada
- **MKS** -- Andover, Mass. & Brookfield, Colorado
- ****MS Technology Inc** -- Oak Ridge, Tennessee
- **Oak Ridge Tool** -- Oak Ridge, Tennessee
- ****Paschal Solutions** -- Oak Ridge, Tennessee
- **Wasson-ECE** -- Fort Collins, Colorado
- **Weiss Technik North America** -- Cincinnati, Ohio
- **Westerman** -- Bremen, Ohio
- ****West End Electric** -- Portsmouth, Ohio

****indicates small business**

