



this kind with the Department of Energy ahead of next year’s reactor demonstrations.” Standard Nuclear became the first company to be selected for the Fuel Line Pilot Program in August 2025. The four other companies, announced several weeks later, are Oklo, Terrestrial Energy, TRISO-X, and Valar Atomics.

An OTA is not a contract, grant, or cooperative agreement with the federal government. As such, OTAs are not subject to some regulations like the Federal Acquisition Regulation. Parties involved in OTAs generally cite its flexibility as a primary benefit. Only Other Transaction Authorities are able to enter into OTAs, and only about 20 federal agencies—including the DOE—are approved by Congress as Other Transaction Authorities.

Like the program it has been created to support, the Fuel Line Pilot Program seeks to accelerate the deployment of fuel fabrication facilities by having them progress through DOE authorization rather than Nuclear Regulatory Commission approval.



A still from a Standard Nuclear video of TRISO fuel production. (Photo: Standard Nuclear)

Both programs were set in motion by President Trump’s May 23 Executive Order 14301, “Reforming Nuclear Reactor Testing at the Department of Energy.”

The DOE has made conditional commitments to provide HALEU feedstock to Standard Nuclear and at least seven other companies.



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