

ADVANCED NUCLEAR FUEL

X-energy, Centrus team up to design fuel production facility

The companies have signed a services contract and a new MOU to advance their cooperation in the development of a TRISO fuel production facility.

On March 28, X-energy LLC and Centrus Energy Corporation announced that they have signed a services contract for the design of a facility to produce advanced nuclear fuel. The agreement follows a memorandum of understanding signed in September 2017 to collaborate on the production of fuel for advanced nuclear reactors (*NN*, Oct. 2017, p. 80).

Centrus and X-energy on March 26 entered into a separate MOU regarding the potential formation of a joint company to develop fuel for advanced nuclear reactors. The MOU provides that each party's

relative contributions will be considered in the formation of such an entity.

Under the terms of the services contract, Centrus will provide X-energy with technical expertise and resources to support the conceptual design of a facility to produce X-energy's uranium oxycarbide tristructural isotropic (TRISO) fuel. The work will include nuclear criticality safety analysis, manufacturing equipment layout and infrastructure design, and conceptual development of fuel form transport packages. X-energy will also be provided facility space at Centrus's Technology and Manufacturing Center in Oak Ridge, Tenn.

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