

Announcement of Teaming Partner List for Upcoming Notice of Funding Opportunity: Advanced Reactor Fuels

The Advanced Research Projects Agency – Energy (ARPA-E) is considering issuing a Notice of Funding Opportunity (NOFO) to accelerate U.S. energy independence by increasing domestic supplies of nuclear fuels. The purpose of this Teaming Partner List announcement is to facilitate the formation of new project teams to respond to the potential NOFO. Any potential NOFO issued in the future would provide specific program goals, technical metrics, and selection criteria. If there are any inconsistencies between this announcement and the potential NOFO, the NOFO language would be controlling.

This potential funding opportunity would aim to support the development of transuranic (TRU) fuels that use a largely untapped domestic fissile resource found across U.S. inventories.¹ TRU fuels offer a path to expanding the nation's nuclear fuel supply while reducing the volume of radioactive waste. Economically viable TRU fuels will strengthen U.S. energy security, reduce reliance on foreign sources, and support long-term deployment of new nuclear power plants. This potential program would fund coordinated efforts spanning fuel design, fabrication, testing, modeling, and qualification, along with analysis of cost, impact, and deployment pathways.

It is anticipated that technologies developed under this potential program will have the ability to enable:

- A domestic TRU fuel supply chain;
- A levelized cost of fuel (LCOF) $\leq 1\text{¢/kWh}$;² and
- TRU fuel qualification and regulatory acceptance within seven years.

ARPA-E strongly encourages outstanding scientists and engineers from different organizations, scientific disciplines, and technology sectors to form new project teams. Interdisciplinary and cross-sector collaboration spanning organizational boundaries enables and accelerates scientific and technological outcomes that were previously viewed as extremely difficult, if not impossible, to achieve.

The Teaming Partner List is being compiled to facilitate the formation of new project teams. The Teaming Partner List will be available on ARPA-E eXCHANGE (<http://arpa-e-foa.energy.gov>), ARPA-E's online application portal, starting in January 2026. The Teaming Partner List will be updated periodically until the close of the Full Application period to reflect new Teaming Partners who have provided their information.

Any organization that would like to be included on this list should complete all required fields in the following form: <https://arpa-e-foa.energy.gov/Applicantprofile.aspx>. Required information includes Organization Name, Contact Name, Contact Address, Contact Email, Contact Phone, Organization Type, Area of Technical Expertise, and Brief Description of Capabilities.

By submitting your information to this Teaming Partner List, you consent to the publication of the above-referenced information. **By facilitating this Teaming Partner List, ARPA-E does not endorse or otherwise evaluate the qualifications of the entities that self-identify for placement on the Teaming Partner List.**

¹ Seaborg, G.T. Transuranium elements: past, present, and future. *Acc. Chem. Res.* 1995. 28, 258-264.

² If a NOFO is issued, ARPA-E will provide an optional LCOF Estimator Tool in eXCHANGE to help applicants evaluate the potential cost impact of their technologies during the application process.

ARPA-E will not pay for the provision of any information, nor will it compensate any respondents for the development of such information. Responses submitted to email addresses or by other means will not be considered. **Participation in and utilization of this list is completely voluntary.** ARPA-E will not identify or facilitate connections through the Teaming Partner List and participation in the list has no bearing whatsoever on the evaluation of applications submitted to the potential funding opportunity.

This list does not constitute a NOFO. A NOFO does not exist at this time. Applicants must refer to the NOFO, expected to be issued by February 2026, for instructions on applying and for details on how projects will be funded.