



Advanced Nuclear First Mover Initiative Questions for Review of Advanced Nuclear Projects

The following list of questions is designed to support State Energy Offices and other relevant state agencies in evaluating potential and proposed advanced nuclear projects.

1. Project Developer
 - What is their staff size and experience?
 - What has been their experience in the nuclear industry?
 - What commercial relationships have been finalized?
2. Regulatory Approval Processes
 - Has the company engaged with NRC? Formally or informally?
 - If yes, where is the company in the process?
 - Has the company submitted the NRC Letter of Intent, Pre-Application, and/or Draft Construction Permit Application (CPA)/Combined License (COL) applications?
 - Is your project under DOE authorization?
3. Financials and Project Funding
 - What is the type and amount to financing that is committed to this project?
4. Maturity of the Technology
 - What is the technology being proposed?
 - What is the Technology Readiness Level (TLR)?
 - Describe the path to demonstration.
 - Have you done similar projects before?
5. Fuel and Waste Disposal
 - What fuel would be needed?
 - Where would the fuel be produced?
 - How would the fuel be produced?
 - How would used fuel be disposed?
 - What would happen to fuel disposal in the long-term (especially in case of bankruptcy or financial disruption)?
 - Are you involved in any of the projects proposed in response to the U.S. Department of Energy's Request for Information on Nuclear Lifecycle Innovation Campuses?
6. Supply Chain
 - In addition to fuel, what is your supply chain for critical equipment?
 - Where is this equipment manufactured?
7. Site
 - Do they have a location selected? One or multiple sites?
 - Is the site owned or leased? If leased, how long is the lease agreement?



- Has the site been characterized?
 - Have local permits been received?
 - Have environmental reviews been begun or completed?
 - Has civil work on site begun?
8. Customers for Generated Power
- Have you identified customers for the power which will be generated by the nuclear project?
 - If so, have you engaged with them and what is the nature/how firm is the offtake agreement (for example long-term PPA or PUC approval)?
9. Community and Stakeholder Engagement
- Have you engaged with the community at your proposed or selected site?
 - If so, who have you engaged with and what has been the structure?
 - If not, what is your plan for engaging the community?
 - Have you engaged with relevant stakeholders?
 - If so, which ones and how deep/often have these engagements taken place?
 - If not, what is your engagement plan?
10. Federal Engagement
- Have you engaged with the U.S. Department of Energy? Or other federal entities like the U.S. Department of War?
 - Which national laboratory have you engaged with?
 - Have you engaged with the Demonstration of Microreactor Experiments (DOME) Test Bed at the Idaho National Laboratory (INL)?

Resources:

- Nuclear Innovation Alliance Project Tracker
<https://nuclearinnovationalliance.org/us-nuclear-energy-project-tracker-update-april-2026>
- GAIN Community Engagement Resource Toolkit - [2026-GAIN-Community-Engagement-Resource-Toolkit.pdf](#)
- EPRI Advanced Nuclear Technology: Single Site Evaluation Guide--Preliminary Assessment of a Predefined Site for Deployment of a New Nuclear Energy Facility, <https://www.epri.com/research/products/000000003002030533>
- INL, Accelerating Advanced Reactor Demonstration & Deployment, <https://inl.gov/nuclear-energy/accelerating-nuclear-energy/#publications>:

Advanced Nuclear First Mover Initiative

