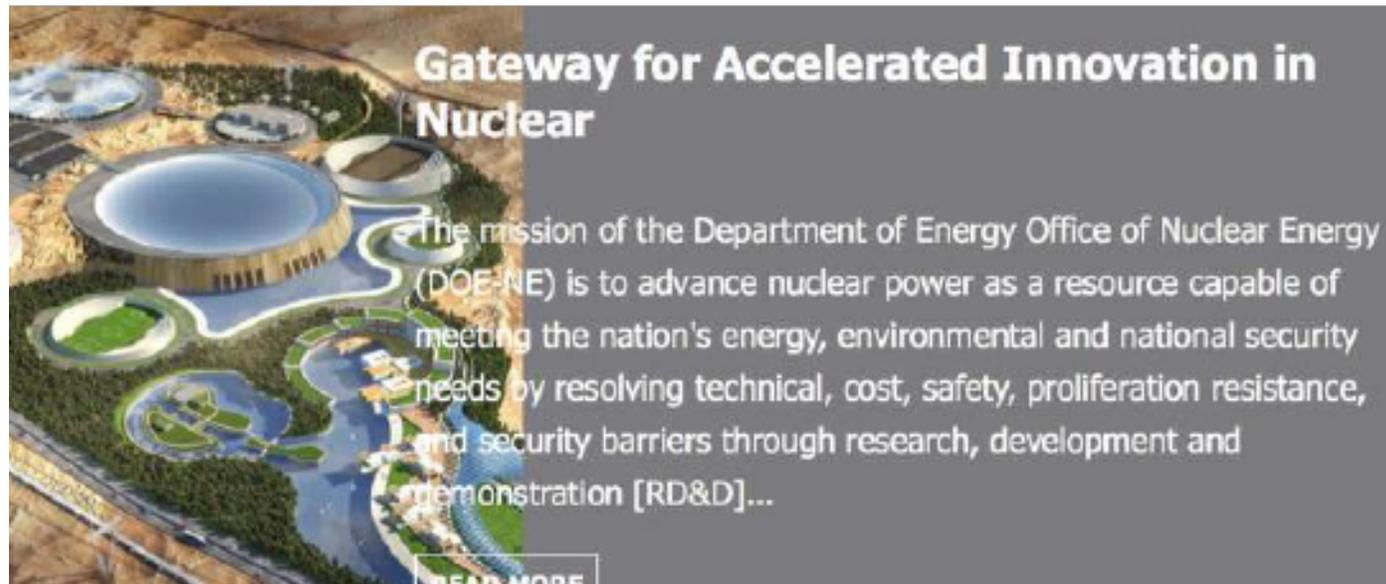


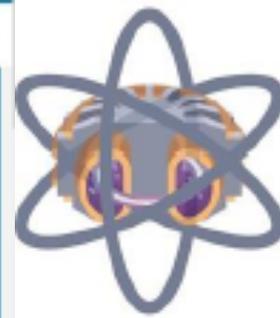
**Private/Public Partnerships: INFUSE (Innovation Network for Fusion Energy)
A new initiative for accelerate the private development of fusion energy**

Led by D. Youchison (ORNL) and A. Diallo (PPPL)

INFUSE is a newcomer in the Federal Private/Public Partnerships (P3) initiative

- DOE NE GAIN (voucher) program
- ARPA-e program
- NASA – Commercial Orbital Transportation services...
- DoD – Power Generation System For Advanced Missile Defense Applications, hundreds more





INFUSE Innovation Network for Fusion Energy

- FES establishes INFUSE program to aid private/public partnerships
 - to develop fusion power and make it commercially available
- ORNL and PPPL selected to manage INFUSE program for FES
- Participating laboratories:
 - PPPL, ORNL, PNNL, INL, BNL, LBNL, LANL, LLNL
- Topical areas:
 - Enabling Technologies including magnets Materials Science
 - Plasma Diagnostics
 - Theory and Simulation
 - Magnetic Fusion Experimental Capabilities

Industry Eligibility

- **Company Certifications** - Must be majority-owned U.S. Company. Requestors must certify that they will accept one of the standardized Cooperative Research And Development Agreements (CRADAs) available on the web site, and they will provide the required 20 % or more cost-share upon selection for a partnership award.
- **Eligible Types of Assistance** - Assistance can provide access to unique capabilities and facilities within the DOE complex. Partnership awards cannot be used to obtain a service or use equipment that is available in the private sector.

FY2019 is a pilot program

Will continue in FY2020 based on response



Awards

- **Funding:** FES partnership awards *provide funding to a laboratory* within the DOE complex in order to help eligible private-sector companies overcome critical scientific and technological challenges in the pursuit of fusion energy.
 - 10 awards under this pilot program, each with value of approximately \$50K - \$200K. In all cases, a 20% cost share is required
- **Period of Performance:** Award activities be completed within **12 months** from the date the CRADA is executed.



Important dates and next steps

- June 01: Press release, First solicitation issued for Request for Assistance (RFA)
- July 07: Proposals due
- August 10: Reviews completed
- August 15: Awards announced via e-mail and posted on the site
- September 15: Funding issued, CRADAs executed & projects start
- **Future**
 - A subsequent semi-annual proposal schedule is envisioned, based on response to FY2019 pilot program
 - FY2020 budget request is \$4M
 - 1st Workshop organized in early FY2020 with U.S. industrial leaders
 - Maintain project report library and publicize national laboratory reports
 - Obtain feedback and evaluate effectiveness of program

