# Legacy Documents / Industry Access

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>December 2016</td>
<td>Initial <strong>Fast Reactor (FR) Technology List</strong> provides access to 4250 openly published FR documents available from OSTI</td>
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<tr>
<td>February 2017</td>
<td>Initial <strong>Molten Salt Reactor (MSR) Technology List</strong> provides access to 210 cataloged MSR documents available on OSTI</td>
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<tr>
<td>March 2018</td>
<td><strong>TREAT Experimental Relational (TREXR) Database</strong> describes hundreds of experiments conducted on nuclear reactor fuels at TREAT beginning in 1960</td>
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<tr>
<td>May 2018</td>
<td><strong>OSTI Spreadsheet of 12,000 Applied Technology (AT) Documents</strong> with abstracts DOE released this list with abstracts on February 28, 2019</td>
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<tr>
<td>May 2018</td>
<td><strong>Sodium (Na) System and Component Reliability Database (NaSCoRD)</strong> includes reliability data from EBR-II, FFTF, Joyo reactors, and multiple test facilities</td>
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<tr>
<td>July 2018</td>
<td><strong>New Production Reactor (NPR) documents.</strong> The link was provided; the method to provide access has not been determined</td>
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<tr>
<td>December 2018</td>
<td><strong>Transatomic Power Corporation</strong> open source documents</td>
</tr>
<tr>
<td>Pending</td>
<td><strong>Clinch River Breeder Reactor (CRBR) Project</strong> documents. Pending contract to scan 235 boxes + 75 reels of microfilm</td>
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<tr>
<td>Pending</td>
<td>Fauske and Associates contract to develop a pilot knowledge preservation activity for <strong>LOFT and other LWR Experiments</strong></td>
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Industry Focused Workshops

• Nuclear Innovation Week, Washington DC, March 25-28, 2019
  – NIA Geopolitics Forum,
  – NEI R&D Summit
  – Nuclear Deployment Forum
  – Hill Day

• ANS Annual Meeting, Minneapolis, MN June 9-13
  – GAIN YMG Presidents Session

• GAIN Microreactor Workshop, INL, June 18-19, 2019

• Fast Reactor Symposium, TBD

• High Temperature Reactor Symposium, TBD
Advanced Nuclear Directory – New Look!
What are vouchers?

- Competitively awarded access to facilities and staff in the national laboratory complex – not a financial award. Funds go directly to DOE lab to perform work.
  - Access to capability that isn’t available in the private sector
  - Awardee directs work through interaction with DOE laboratory staff
- Opportunity for industry to work with the DOE complex laboratories and establish relationships
- Tangible advancement of innovative technologies toward market readiness
- Available to businesses that are majority (51% or greater) U.S. owned and established in the U.S.
  - No size restriction on companies – small businesses receive extra consideration
  - Foreign affiliation may involve extra review
GAIN NE Voucher Program - details

• Anticipated funding level ~$4.5M/year
• Value ~$50K - $500K* (*Higher value requests considered)
• Limited to one application per cycle (4 per year)
• Limited to two active vouchers at a time
  – No effect on other opportunities
• One year Period of Performance anticipated
• 20% cost share required – based on total project value
  – Cash, or in-kind
• Pre-accept Cooperative Research and Development Agreement (CRADA) terms and conditions to accelerate process
  – Full form CRADA for large, or foreign affiliated businesses
  – GAIN Voucher CRADA for small, wholly U.S. businesses
• Anticipate four cycles per year
  – Jan. 31; Apr. 30; Jul 31; Oct 31 due dates
NE Vouchers – what we’re looking for

• Proposed work makes use of unique DOE/lab capability
  – Without the DOE/lab capability, the work couldn’t reasonably be performed
• Problems must be defined by industry (not laboratory initiated!)
• Work scope is aligned with DOE laboratory capability; is clear and feasible in ~1 year
• Overall impact of underlying technology – accelerates deployment of new nuclear or improves viability of existing plants
• Impact of proposed work – clearly accelerates deployment of underlying technology
• Proposed work helps promote laboratory-company relationship and/or helps company to leverage additional investment
• No sustained, fundamental R&D
• Does not replace DOE-NE Programmatic work
Some statistics

• 15 Vouchers completed so far
• 37 awarded so far
• ~$12M in funds to laboratories
Industry FOA (Advanced Nuclear Technology Development)

• Supports innovation and competitiveness of the industry by establishing private/public partnerships on cross-cutting applied research, development, and demonstration activities, specifically:
  – Broad range of advanced reactor technology development activities supporting current fleet and future reactor concepts
  – Methods to improve the cost and schedule for delivery of nuclear products, services and capabilities, and
  – Resolution of regulatory/certification issues.

<table>
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<tr>
<th>Tier</th>
<th>Work Scope Addressed</th>
<th>Task Funding Range</th>
<th>Cost Share Requirements</th>
<th>Typical No. of Tasks</th>
<th>Length of Tasks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>First of a Kind Nuclear Demonstration Readiness Projects</td>
<td>$10M-$40M</td>
<td>50/50</td>
<td>Up to 2</td>
<td>Up to 36 months</td>
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<tr>
<td>2</td>
<td>Advanced Reactor Development Projects</td>
<td>$500K-$10M</td>
<td>80/20</td>
<td>3-6</td>
<td>Up to 24 months</td>
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<tr>
<td>3</td>
<td>Regulatory Assistance Grants</td>
<td>$50K - $500K</td>
<td>80/20</td>
<td>10-20</td>
<td>Up to 12 months</td>
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So...How do I get engaged?