



U.S. DEPARTMENT OF
ENERGY

Office of
Technology
Transitions

**Technology Commercialization Fund
Fiscal Year 2018 Solicitation
December 6, 2017**

**Don Macdonald
TCF Program Manager
Office of Technology Transitions**

- Background and Description of the Solicitation
- Eligibility for Award
- Award Information & Administration
- Proposal Requirements and Review Information
- Proposal Submission & Format
- Other Information

TCF Goals

- Perform technology maturation with the intent of attracting a private partner that is willing to support the technology's commercialization.
- Support cooperative development of technology with a private partner for a specific commercial application.

Key Gaps to Address

- Technology maturation resource gap.
- Forward-looking and competitive DOE approach to CRADAs and partnering.
- Focused outreach and industry engagement to commercialize high-potential energy technologies.

Public Law 109–58
109th Congress

An Act

Aug. 8, 2005
[H.R. 6]

Energy Policy Act
of 2005.
42 USC 15801
note.

To ensure jobs for our future with secure, affordable, and reliable energy.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE; TABLE OF CONTENTS.

(a) **SHORT TITLE.**—This Act may be cited as the “Energy Policy Act of 2005”.

(b) **TABLE OF CONTENTS.**—The table of contents for this Act is as follows:

Sec. 1. Short title; table of contents.

TITLE I—ENERGY EFFICIENCY

Subtitle A—Federal Programs

- Sec. 101. Energy and water saving measures in congressional buildings.
- Sec. 102. Energy management requirements.
- Sec. 103. Energy use measurement and accountability.
- Sec. 104. Procurement of energy efficient products.
- Sec. 105. Energy savings performance contracts.
- Sec. 106. Voluntary commitments to reduce industrial energy intensity.
- Sec. 107. Advanced Building Efficiency Testbed.
- Sec. 108. Increased use of recovered mineral component in federally funded projects involving procurement of cement or concrete.
- Sec. 109. Federal building performance standards.
- Sec. 110. Daylight savings.
- Sec. 111. Enhancing energy efficiency in management of Federal lands.

Subtitle B—Energy Assistance and State Programs

- Sec. 121. Low-income home energy assistance program.
- Sec. 122. Weatherization assistance.
- Sec. 123. State energy programs.
- Sec. 124. Energy efficient appliance rebate programs.
- Sec. 125. Energy efficient public buildings.
- Sec. 126. Low income community energy efficiency pilot program.
- Sec. 127. State Technologies Advancement Collaborative.
- Sec. 128. State building energy efficiency codes incentives.

Subtitle C—Energy Efficient Products

- Sec. 131. Energy Star program.
- Sec. 132. HVAC maintenance consumer education program.
- Sec. 133. Public energy education program.
- Sec. 134. Energy efficiency public information initiative.
- Sec. 135. Energy conservation standards for additional products.
- Sec. 136. Energy conservation standards for commercial equipment.
- Sec. 137. Energy labeling.
- Sec. 138. Intermittent escalator study.
- Sec. 139. Energy efficient electric and natural gas utilities study.
- Sec. 140. Energy efficiency pilot program.
- Sec. 141. Report on failure to comply with deadlines for new or revised energy conservation standards.

Subtitle D—Public Housing

- Sec. 151. Public housing capital fund.

EPAct 2005 Section 1001(e) (as amended) Energy Technology Commercialization Fund

“The Secretary shall establish an Energy Technology Commercialization Fund, using 0.9 percent of the amount made available to the Department for applied energy research, development, demonstration, and commercial application for each fiscal year based on future planned activities and the amount of the appropriations for the fiscal year, to be used to provide matching funds with private partners to promote promising energy technologies for commercial purposes.”

Key Dates

Solicitation Issue Date	December 14, 2017
Pre-Recorded Informational Webinar Available	December 14, 2017
Deadline for Mandatory Concept Papers	January 23, 2018 at 8:00 p.m. (MT)
Anticipated Eligibility Decisions	February 23, 2018
Deadline for Full Proposals	March 27, 2018 8:00 p.m. (MT)
Expected Date for Selection Notifications	Summer 2018



Summary Information

Means of Submission	https://proposals.inl.gov OTT will not review or consider proposals submitted through other means.
Total Amount to be Provided	DOE expects to make available approximately \$18-20 million of Federal funding for award under this Solicitation, subject to the availability of appropriated funds. DOE may issue one, multiple, or no awards.
Period of Performance	Topic 1: 6-12 months Topic 2: 12-24 months Awarded projects in both topics are required to report metrics and participate in OTT's TCF Program evaluation for up to 5 years from award date.
Eligible Entities	U.S. Department of Energy National Laboratories, Plants, and Sites
TCF Matching Funds/ Non-Federal Cost Requirement	Projects are required to provide matching non-Federal funds at a level of 50% of the total project cost.
Submission of Multiple Proposals	There is no limit on the number of proposals a National Laboratory, Plant, or Site may submit.
Proposal Forms	The proposal details are contained in the Solicitation. Page limits: 5 page limit for Topic 1 Technology Maturation proposals 10 pages for Topic 2 Cooperative Development proposals
Questions	TCF program rules and proposal process: TCF@hq.doe.gov Using the online application portal: TCFsubmissions@inl.gov

- Eligible DOE Program Offices and TCF Technology Areas
 - Appendix A contains the list of eligible Technology Areas in FY 18
 - Applicants may select up to two Tech Areas
 - Mission Area descriptions
- Concept Papers
 - Eligibility review to submit Full Proposal
 - Mission Area Relevance Review
- Merit Review Criteria
 - There is a small change to Technical Merit Criterion 2, which no longer includes a bullet about assumptions used to form the business strategy
- Partnering
 - Beginning in FY18, a TCF projects that involve partners are expected to use a CRADA as the partnering mechanism
 - In FY 18, the private sector match no longer requires a cash contribution. Matching funds from DOE Facilities, however, must still be in cash

The TCF focuses on commercializing promising energy technologies across the entire range of DOE's portfolio of applied energy programs, and in two Topic areas

- All Concept Papers are subject to a go-no-go eligibility review, which includes a mission area relevance screen
- Eligible Full Proposals are subject to an independent merit review process to evaluate the technical and commercial viability of the proposed project.
- OTT manages the review process in collaboration with
 - DOE Program Offices, which will conduct the missions area relevance reviews at the Concept Paper stage
 - ORISE – the Oak Ridge Institute for Science Education, which is identifying and recruiting independent merit reviewers for Full Proposals
 - Idaho National Lab, which is facilitating the application and review management system
- OTT will implement a metric and evaluation plan to assess progress and achievements of TCF-funded projects. Awardees should plan to provide metrics for a period of up to five years from the award date.



Topic 1: Technology Maturation Projects

- Technologies developed at DOE facilities that have commercial promise
- Have reached a TRL of at least 3
- Have the potential to attract a private partner

The target funding for Topic 1 is \$100K-\$150K

The target period of performance for a Topic 1 award is 6-12 months

Topic 2: Cooperative Development Projects

- Technologies for a commercial partner has already been identified
 - Willing to execute a technology partnership agreement (i.e., a CRADA)
- Supports cooperative development of a commercial application for technology developed at DOE facilities
- Applicants will have undertaken some form of evaluation to determine if the technology is viable for commercialization, such as
 - IP mapping
 - Participation in the Lab-Corps program
 - Other activities

The target funding for Topic 2 is \$250K-\$750K.

The target period of performance for Topic 2 is 12-24 months.



The scope of a project should allow it to meet the TCF's goals for the type of project it is—technology maturation or cooperative development. The activities described below correlate to the evaluation criteria. All projects, whether proposed as Topic 1 or Topic 2, need to address the four areas described below. Depending on the Topic area, the breadth and level of detail will vary.

- 1. Commercial Impact**
- 2. Technical Maturation**
- 3. Project Plan**
- 4. Project Team and Resources**

1. Commercial Impact

Both Topic 1 and Topic 2 proposals need to address the proposed technology's potential market impacts if it is commercialized. Topic 1 projects are intended to focus on technology maturation, but need to provide evidence that the technology has potential market impact. Topic 2 projects are intended to be focus primarily focused on the commercialization of the technology in concert with a private partner. Therefore, a Topic 2 proposal should contain more expansive information about the commercial impact of the technology. In all cases, the proposal should address the following items to the degree of specificity appropriate to the chosen topic area. There must be a clear explanation of the current or anticipated market for the technology. This should include a description of the significant market need that the project addresses. The applicant should also specify whether the proposed technology is sufficient to achieve market penetration independent of complementary technologies, processes, or other requirements. If other factors are required for the technology to achieve market penetration, the applicant should identify them and discuss the circumstances.

2. Technical Maturation

Proposals, for both Topic 1 and Topic 2, need to address what the project intends to accomplish in terms of advancing the maturity of the technology. Topic 1 projects are intended to focus on technology maturation as the primary objective. Therefore, the proposal should be principally focused in this area. Topic 2 projects may require that the technology to be further matured or demonstrated at a larger scale. Topic 2 proposals should describe which technology maturation activities need to be undertaken to achieve the commercialization goals of the project. In all cases, the proposal should address the following items to the degree of specificity required by the chosen topic area. There must be a clear explanation of the current state of the technology, as well as the anticipated state of the technology at the end of the project. To the degree they can be anticipated, the applicant should explain the technical challenges and unanswered technical questions that must be addressed to reach the desired maturity of the technology. There should be an explanation of any complimentary technology(ies) necessary for the proposed technology to function, and have relevance in the market.

3. Project Plan

Both Topic 1 and Topic 2 proposals need to include a project plan, which should center around the objectives of the project. Depending on the topic area and the specific project objectives, the plan should focus on tasks and activities needed to accomplish those objectives. There must be a clear explanation of the goals and outcomes of the proposed project, and a viable approach to address the technical and commercialization challenges of bringing the technology to the market. Tasks should be clearly linked to performance metrics and deliverables. There must also be a delineation of technical and market risks and uncertainties, and a plan to manage or retire them.

4. Project Team and Resources

There must be a clear articulation that the project team and resources are qualified and capable of successfully completing the project. This includes both the laboratory and partner teams. The proposal must clearly define team member roles and responsibilities. There should be evidence that the necessary personnel, facilities, and equipment are available and committed to the project.

Only U.S. Department of Energy National Laboratories, Plants, and Sites (DOE facilities) are eligible to apply for TCF funding

- Facilities may bring partners into a proposal but lab is the sole awardee
- Facilities are eligible for multiple awards

- Ames Laboratory
- Argonne National Laboratory
- Brookhaven National Laboratory
- Fermi National Accelerator Laboratory
- Idaho National Laboratory
- Kansas City National Security Campus
- Lawrence Livermore National Laboratory
- Lawrence Berkeley National Laboratory
- Los Alamos National Laboratory
- National Energy Technology Laboratory
- National Renewable Energy Laboratory
- Nevada National Security Site
- Oak Ridge National Laboratory
- Pacific Northwest National Laboratory
- Pantex Plant
- Princeton Plasma Physics Laboratory
- Sandia National Laboratories
- Savannah River National Laboratory
- SLAC National Accelerator Laboratory
- Thomas Jefferson National Accelerator Facility
- Y-12 National Security Complex

Eligible proposals must pursue a project in either

- Topic 1 Technology Maturation
- Topic 2 Cooperative Development

Topic 1

Eligible projects for Topic 1 must involve currently existing laboratory technology or intellectual property that has reached a TRL of 3, and demonstrates evidence of commercial potential. TRL 3 is evidenced by a technology having demonstrated analytical and experimental proof of concept in a laboratory environment. For example, have experiments or modeling and simulation validated performance prediction of technology capability? Have design techniques been identified or developed? Have scaling studies been initiated?

Topic 2

Eligible projects for Topic 2 must involve currently existing laboratory technology or intellectual property, and the laboratory must have a non-Federal partner with a commercial application defined for the technology. The partner(s) must be identified in the application for funding. A formal partnership agreement does not have to be in place to be eligible for award, however. If funds are allocated before a CRADA is in place, work may not begin until it is executed. If no agreement between the laboratory and partner is executed within 6 months of the award, the Department may cancel the award. A project or work scope being executed under an existing CRADA or other partnership agreement is not eligible for an award under the TCF.

Earlier TCF Funding

Topic 2 projects proposals that received TCF funding under an earlier Topic 1 award are eligible to apply for additional funding as a Topic 2 project, provided that:

- The Topic 1 project was successful in accomplishing the project goals
- Complied with all reporting requirements
- The new funding request demonstrates progress and advances the technology toward commercialization

Topic 1 projects that received funding under an earlier Topic 1 award are not eligible for additional TCF funding. Topic 2 projects that received funding under an earlier Topic 2 award are not eligible for additional TCF funding

DOE Program & Technology Areas

All projects must tie to one —or two — of the program areas identified in Appendix A of the solicitation. DOE facilities may submit proposals they view as having cross-programmatic application or benefit (e.g., a wind farm load forecasting model could be applicable to the wind program within the Office of Energy Efficiency and Renewable Energy and to the Office of Electricity Delivery and Energy Reliability 's clean energy transmission program).

Projects must align with DOE Program Offices and Technology Areas (Program Office Control Accounts)**Electricity and Energy Reliability (OE)**

- Transmission Reliability
- Resilient Distribution Systems
- Energy Storage (Grid Scale)

Energy Efficiency & Renewable Energy (EE)

- Advanced Manufacturing
- Bioenergy Technologies
- Building Technologies
- Fuel Cell Technologies
- Geothermal Technologies
- Solar Energy Technologies
- Vehicle Technologies
- Water Power Technologies
- Wind Energy Technologies

Fossil Energy (FE)

- Advanced Energy Systems
- Cross-cutting Research
- Carbon Capture and Utilization
- Carbon Storage
- Natural Gas Technologies
- Unconventional Fossil Energy Technologies from Petroleum – Oil Technologies

Nuclear Energy (NE)

- Fuel Cycle Research and Development
- Reactor Concepts Research, Development and Demonstrations
- Nuclear Energy Advanced Modeling and Simulation (NEAMS)
- Nuclear Energy Enabling Technologies (NEET)
Crosscutting Technology Development (CTD)

Topic 1 projects may have a partner.

Topic 2 projects must have a partner.

Partners must be

- Non-Federal entities, including
 - Private companies
 - State or local governments, or entities created by them
 - Universities
 - Non-profit organizations

Partner organizations must agree to engage in activities that focus on commercializing or deploying technologies in the marketplace

Matching Funds

Non-federal matching funds are required for all projects

- 50% of total project costs

If a DOE facility provides matching funds, it must be a cash contribution

If a private partner provides matching funds, it may be a cash or in-kind contribution

- Applicants should ensure that in-kind contributions meet DOE's requirements. For more information and examples, please see Appendix B of the FY 18 Solicitation.

Type of Award Instrument

- TCF awards will be documented and funded through the existing work authorization and funds management processes of the Program Office providing the funding.
- DOE facilities will be required to track Federal funds in accordance with normal Departmental processes.
- DOE facilities will also be required to track non-Federal funds in accordance with established laboratory accounting processes.

Estimated Funding

DOE anticipates that approximately \$18-20 million will be available for the TCF in FY 2018, subject to the availability of appropriated funds. DOE may issue one, multiple, or no awards.

Number of Selections: The number of selections will be based on the number of meritorious applications, and the availability of appropriated funds in each DOE Program Office or technology area.

Funding Amount per Selection:

Topic 1 Projects - \$100,000 - \$150,000 per award

Topic 2 Projects - \$250,000 - \$750,000 per award

DOE reserves the right to fund, in whole or in part, any, all, or none of the proposals submitted in response to this Solicitation.

Period of Performance

Topic 1 projects: 6-12 months

Topic 2 Projects: 12-24 months

Crosscutting Awards & Mission Area Relevance

DOE Facilities may submit proposals they view as having crosscutting applicability or benefit. At the mandatory Concept Paper stage, applicants may identify up to two Technology Areas per proposal, and must provide a short explanation for each selection that articulates the technology's mission area relevance. DOE is under no obligation to accept an applicant's determination of cross cutting applicability. DOE reserves the right to make final determinations about which Program Offices will bear what share of the costs for crosscutting awards.

Multiple Awards

DOE Facilities are eligible for more than one award. Awards are made on a per application basis. Each application must define a single project. Single applications are not eligible for multiple awards.

Selection Notifications

DOE's decisions are final when communicated to applicants. OTT notifies each application's point of contact in writing of its decisions, and provides a summary to each Facilities' Tech Transfer Office. The first notification follows the Concept Paper eligibility review. This is a go-no-go decision that determines whether or not DOE will accept a Full Application for the corresponding Concept Paper.

Notification of DOE's TCF selection decisions follows the conclusion of the evaluation and selection process. DOE's decision to select a project for award is not an authorization to begin performance. Selected projects are required to finalize the Scope of Work (SOW)/Work Plan with the funding Program Office prior to work authorization and release of funds. OTT and/or the funding DOE Program Office(s) may request additional or clarifying information before proceeding to the SOW finalization stage.

OTT provides reviewer comments to all applicants as soon as practical after selections are announced.

Successful Submissions

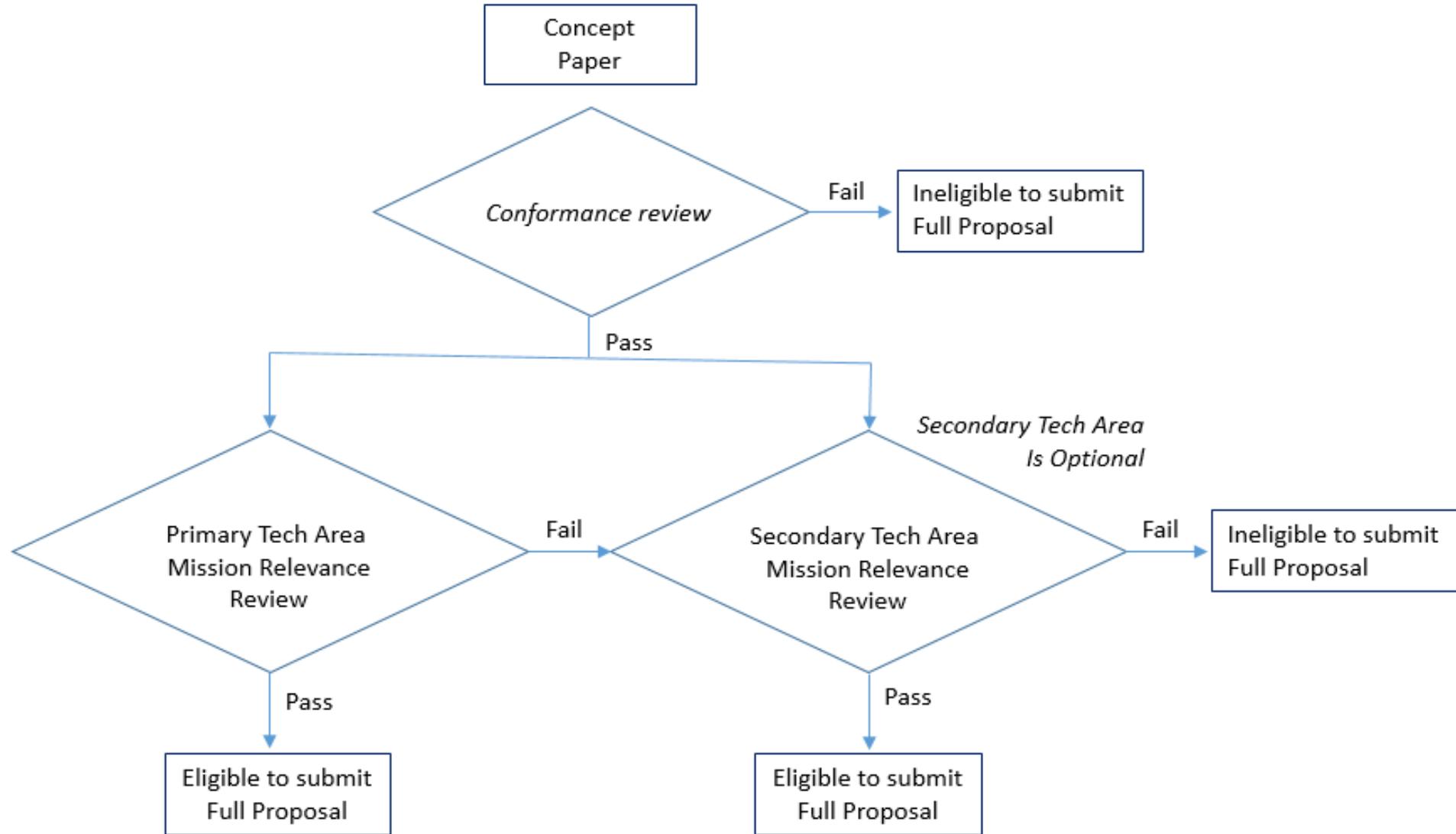
If selected for award, OTT reserves the right to request additional or clarifying information for any reason.

Concept Papers:

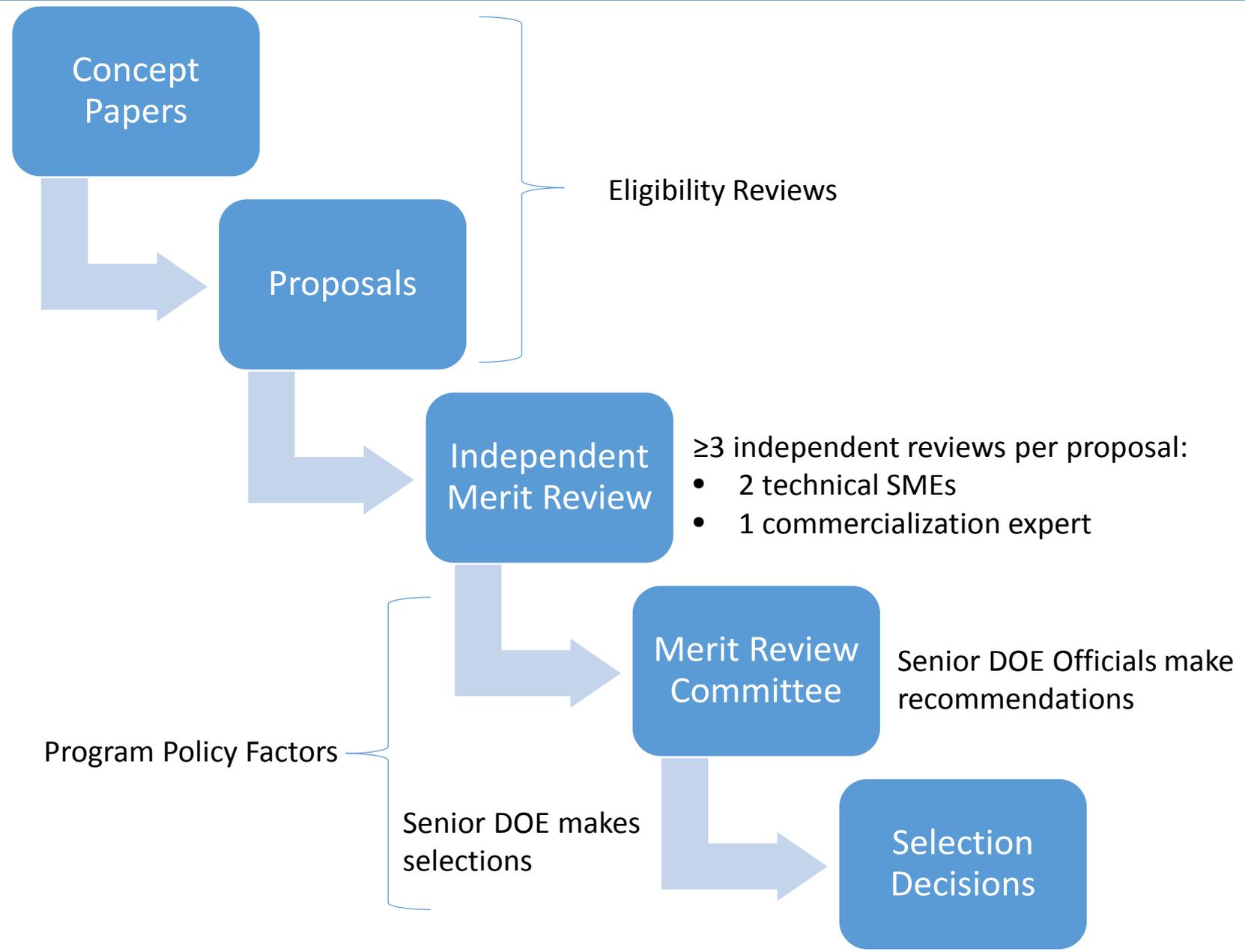
- Are a new addition to the TCF process. OTT added the step to
 - Confirm mission area relevance of projects at the Concept Paper stage
 - Determine eligibility to submit Full Applications
 - Help identify independent reviewers early in the process
- Are mandatory
- Generate a discrete tracking number for use during the full proposal phase
- Are due at **8:00 p.m. (MT) on January 23, 2018**. Late submissions will not be accepted

Initial eligibility screen

1. That the applicant is an eligible entity under this solicitation
2. That the Concept Paper is complete and contains all the required information
3. That all mandatory requirements are satisfied
4. That the Concept Paper describes a project that is responsive to the Solicitation's objectives
5. That the Concept Paper demonstrates and accurately articulates mission area relevance to the applicant-selected Program Office(s) and Technology Area(s)



Proposal Requirements & Review Information



Proposals:

- Are due **at 8:00 p.m. (MT) on March 27, 2018**. Late submissions will not be reviewed
- Proposals will only be accepted with a corresponding tracking number from an eligible Concept Paper—and only in a Technical Area(s) in which it passed the mission area review(s). Proposals submitted after the deadline will not be accepted. All Full Proposals will be subject to an eligibility review to determine that:
 - 1) The Full Proposal matches the project described in the corresponding Concept Paper
 - 2) The Full Proposal for funding is complete and contains all the information required
 - 3) All mandatory requirements are satisfied
 - 4) The proposed project is responsive to the objectives of the Solicitation

Proposals that pass the eligibility screen will be forwarded for merit review.

Selections will be made based on the following criteria:

1. Commercialization Evaluation (35% of composite score)
2. Technical Merit Evaluation (65% of composite score)

Technical Merit Criterion 1: Technology Maturity (40%)

Technical Merit Criterion 2: Project Plan (40%)

Technical Merit Criterion 3: Project Team and Resources (20%)

Commercialization Evaluation (35% of composite score)

Commercial Impact Criterion

- Extent to which the proposed technology will result in a commercially successful product and/or company
- Extent to which the proposed technology has the ability to be successfully commercialized in a reasonable timeframe (3-5 years)
- Extent to which the proposed technology represents an innovative or significant improvement from current state of the art technologies that results in either a product or solution that transforms or replaces existing industry approaches, or is a new product or solution that can be widely used by the existing industry and will have significant market impact
- Extent to which the project team understands the market, and its barriers to commercialization
- Extent to which the applicant identifies and discusses factors or circumstances such as policy or regulations are required for the technology to achieve market penetration

The Technical Merit Evaluation forms 65% of the composite score, and comprises three criteria:

- Technical Merit Criterion 1: Technology Maturity (40%)
- Technical Merit Criterion 2: Project Plan (40%)
- Technical Merit Criterion 3: Project Team and Resources (20%)

Technical Merit Criterion 1: Technology Maturity (40%)

- Technology has achieved a TRL 3, which is defined as a technology having demonstrated analytical and experimental proof of concept in a laboratory environment. For example, have experiments or modeling and simulation validated performance prediction of technology capability? Have design techniques been identified or developed? Have scaling studies been initiated?
- Extent to which the applicant describes an understanding of complementary technologies or processes that are necessary for the technology to have relevance in the market.
- Extent to which the applicant describes an understanding of technical issues to be addressed to achieve a successful commercial deployment.
- Evidence that the technology can be deployed at scale.

Technical Merit Criterion 2: Project Plan (40%)

Technical and Commercialization Approach –

- Quality and reasonableness of the applicants' plan for closing technical gaps and addressing unanswered technical questions.
- Quality and reasonableness of the applicant's business plan for market penetration/adoption.

Risk Management –

- Extent to which applicant discusses and demonstrates understanding of the key technical and commercial uncertainty and risks involved in the proposed work.
- Extent to which applicant adequately describes how they will manage and retire risks.

Goals and Outcomes –

- Extent to which the project plan clearly describes the goals and outcomes of the project, including measures of technical advancement and business success.
- Extent to which the proposed tasks and subtask activities in the work plan are verified through performance metrics, milestones, and deliverables that are specific, measurable, aggressive (but attainable), realistic, and timely (i.e., not a report summarizing work that was done).

Technical Merit Criterion 3: Project Team and Resources (20%)

- Capabilities – The extent to which the capability of the Principal Investigator(s) and the proposed team, including partnerships, can address all aspects of the proposed project, including, but not limited to, qualifications, relevant expertise, and time commitment of the individuals on the team.
- Contributions – Clarity, adequacy and completeness of roles and contributions of each team member in development of the project and/or commercialization of the products, including financial support of partners.
- Readiness – Extent to which the final team, facilities and equipment required to complete this project is fully in place, assembled and committed to the project (e.g., are there any key members that are “to be hired at a later date?”).
- Commitment – Extent to which there is demonstrated institutional commitment from senior laboratory management and corporate officers of partners.
- Resources – Sufficiency of facilities to support the proposed work—and reasonableness and adequacy of the proposed budget to meet proposed project objectives.

In addition to the merit review criteria, the following program policy factors may be considered in determining which proposals to select for negotiations:

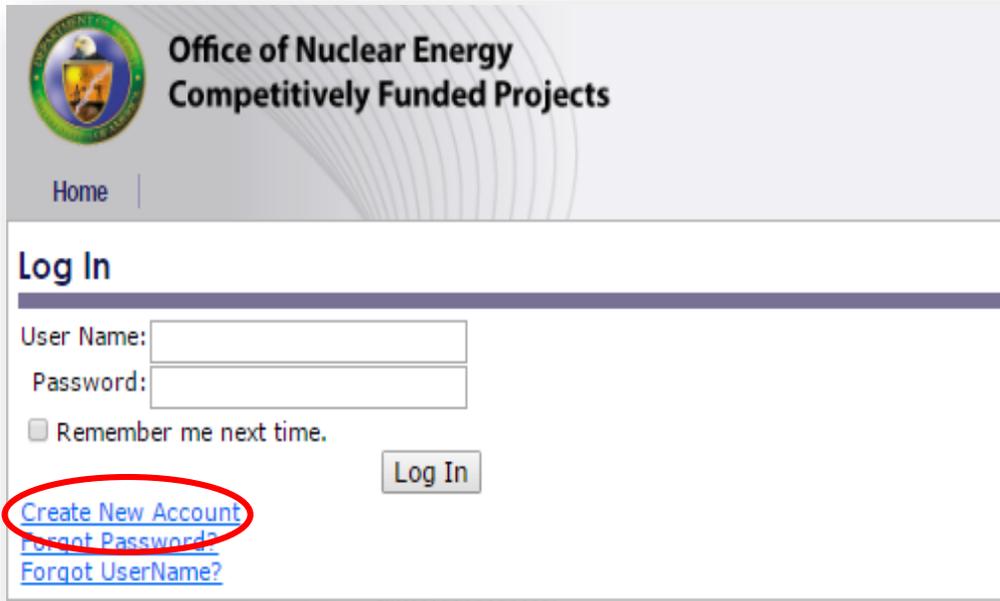
- The degree to which the proposed project offers an opportunity to facilitate commercialization of a promising technology that does not currently have other programmatic support
- Whether the proposed project offers crosscutting benefit, and passed the mission relevance review in both its Primary and Secondary Technical Areas
- Diverse representation of DOE Facilities in the TCF's project portfolio
- Diversity of technologies
- Diversity of projects spanning participating DOE Program Offices

Document Format Requirements

- Format all non-budget documents for standard 8.5" × 11" paper with 1-inch margins (top, bottom, left, right),
- Use a **font size no smaller** than Times New Roman 11 point.
- Submit documents as PDFs, except for spreadsheets. This is a preference, not a requirement.
- Uploaded spreadsheets in Excel file format. Do NOT lock any cells in the spreadsheet.
 - Use the budget template provided. Follow the naming convention, and use your Tracking ID where requested: 2018 TCF Budget_Project Tracking ID.xlsx
- **Applicants may not scan then upload their proposals, which will cause them to fail the conformance review.**

Concept Papers

- Concept Papers are mandatory
- Concept Papers consist of information request via an online form, and an attachment for upload
- Both are submitted here: <https://proposals.inl.gov>
- The deadline is by **8:00 p.m. (MT) on January 23, 2018**
- The applicant's point of contact should receive an email acknowledging receipt of the proposal within one business day
- Please contact TCFSubmissions@inl.gov if a receipt is not received
- Concept Papers will be submitted via online forms and attachments
 - Including a 5,000 character project description



Office of Nuclear Energy
Competitively Funded Projects

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Password:

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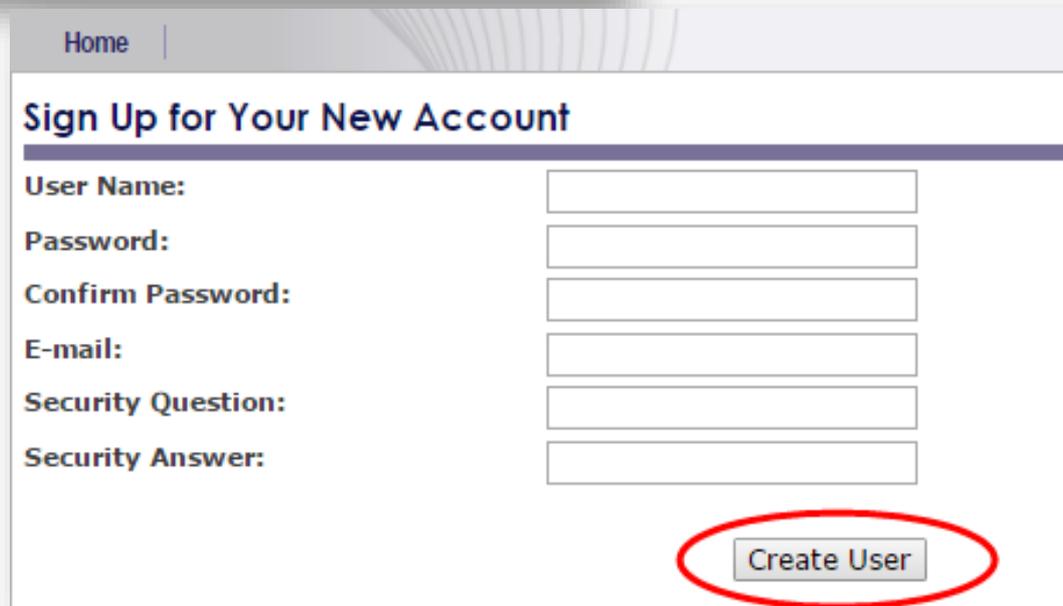
Log In

[Create New Account](#)
[Forgot Password?](#)
[Forgot UserName?](#)

Application forms and instructions are available at: <https://proposals.inl.gov>

Log in with your User Name and Password.

1. If you do not have an existing account, click on the “Create New Account” link and fill in the requested information.



Home

Sign Up for Your New Account

User Name:

Password:

Confirm Password:

E-mail:

Security Question:

Security Answer:

Create User

Be sure to fill out the “My Account” section, as this information can be used to automatically populate portions of the Concept Paper and Proposal forms.

My Account

General Account Information

Salutation	-- Select One --
First Name	<input type="text"/>
Middle Name	<input type="text"/>
Last Name	<input type="text"/>
Title	<input type="text"/>
Institution	<input type="text"/>
Email	tcfsubmissions@inl.gov
Street Address	<input type="text"/>
City	<input type="text"/>
State	Select State

To create your application, click on the “Applications” tab.

Office of Nuclear Energy
Competitively Funded Projects

Home | Applications | Reports | My Information | NEUP.gov

Welcome to the DOE-NE Competitively Funded Programs account and information management page.

Programs using this application include:

- Nuclear Energy University Programs (NEUP)
- Nuclear Energy Enabling Technologies Crosscutting Technology Development (NEET)
- National Scientific User Facility (NSUF)

Click on the appropriate "Create New Application" link to begin the application process.

Current Open Calls

These are the current calls for which you may submit an application. Select "Create New Application" next to the number and will be listed below.

	Call Name	End Date	Fiscal Year
Create New Application	FY 2018 Technology Commercialization Fund	1/23/2018 8:00:00 PM	2018

Your Applications

Here is a list of your saved applications. Click on the pencil icon to make edits.

	Tracking ID	Call Name	Title	Proposal Status
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You have no applications

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Other applications you have been delegated rights to

Tracking ID	Call Name	Title	First Name
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

None

Save the application in order to generate a Tracking ID number and upload documents.

TCF Concept Paper

Technology Commercialization Fund Concept Paper: The form may be saved, revisited, and edited until Tuesday, January 23, 2018 8:00

Fiscal Year 2018 Office of Technology Transitions (OTT) Technology Commercialization

****You must save the application to generate a Tracking ID number and attach documents. Scroll**

Call	FY 2018 Technology Commercialization Fund
Tracking ID	(status - New)
Project Title	
Period of Performance	6 - 24 month
Brief Project Description	Please enter a brief (500 characters or less) description of the proposed project.

Principal Investigator Information

Salutation	Mr.
First Name	Nick
Last Name	Case
Phone Number	2085267804 (XXX-XXX-XXXX)
Primary Email	Nick.Case@inl.gov
Confirm Email	Nick.Case@inl.gov
Alternate Email	

Save the application in order to generate a Tracking ID number and upload documents.

TCF Concept Paper

Technology Commercialization Fund Concept Paper: The form may be saved, revisited, and edited until Tuesday, January 23, 2018 8:00

Fiscal Year 2018 Office of Technology Transitions (OTT) Technology Commercialization

****You must save the application to generate a Tracking ID number and attach documents. Scroll**

Call

Tracking ID

Project Title

Period of Performance

Brief Project Description

Please enter a brief (500 characters or less) description of the proposed project.

Principal Investigator Information

Salutation

First Name

Last Name

Phone Number

(XXX-XXX-XXXX)

Primary Email

Confirm Email

Alternate Email

Select the Lead Facility

Affiliation and Program Area Selection

Select Lead Laboratory

Select Topic

Select Areas

 All TCF Technology Areas

Workscope Justification

Please enter a brief (1000 characters or less) description why this is your technology area's primary area.

- Ames Laboratory
- Argonne National Laboratory
- Brookhaven National Laboratory
- Fermi National Accelerator Laboratory
- Idaho National Laboratory
- Kansas City National Security Complex
- Lawrence Berkeley National Laboratory
- Lawrence Livermore National Laboratory
- Los Alamos National Laboratory
- National Energy Technology Laboratory
- National Renewable Energy Laboratory
- Nevada National Security Site
- Oak Ridge National Laboratory
- Pacific Northwest National Laboratory
- PANTEX
- Princeton Plasma Physics Laboratory
- Sandia National Laboratory
- Savannah River National Laboratory
- SLAC National Accelerator Laboratory
- Thomas Jefferson National Accelerator Facility
- Y-12 National Security Complex

Proposal Point of Contact

In the space below, please identify a point of contact within the National Laboratory's/Facility's Technology Transfer Office or Business Development Office.

Salutation	First Name	Last Name	Organization	Phone	Email	Country	State	City	Action
None									

Partner Organizations

In the space below, please provide a point of contact at each partner organization.

Salutation	First Name	Last Name	Organization	Phone	Email	Country	State	City	Action
None									

1. Select Topic 1 (Technology Maturation) or Topic 2 (Cooperative Development).
2. Choose the primary and an optional secondary technology area.
3. Provide a short justification for each selection.

Affiliation and Program Area Selection

Select Lead Facility: Ames Laboratory

Select Topic: Topic 1

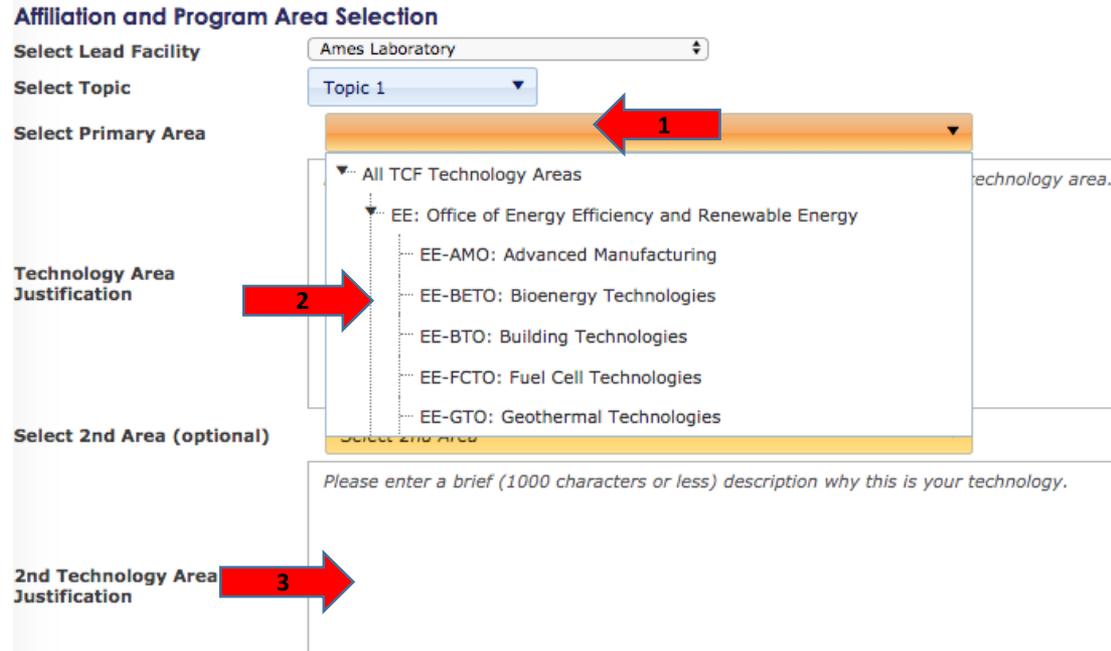
Select Primary Area: **1**

Technology Area Justification: **2**

Select 2nd Area (optional): Select 2nd Area

2nd Technology Area Justification: **3**

Please enter a brief (1000 characters or less) description why this is your technology.



1. To Submit the Concept Paper, click the “Save and Submit” button at the bottom of the form.
2. The site will alert you if a submission requirement has not been met.
3. Applicants will receive an email notification upon successful submission.

Previously Funded

Proposals that received TCF funding previously under Topic 1 are eligible to apply for FY18 TCF funding under Topic 2, provided that the Topic 1 project was successful in accomplishing its goal commercialization.

Has the TCF previously funded this project or technology – or both? If yes, please describe in 500 characters or fewer the progress this technology has made since then, and

Previously Funded

- Yes
 No

Complete

- Yes
 No

Funding Description

Please enter a brief (500 characters or less) description of previous funding.

Concept Paper Attachment

Applicants must submit a short narrative document, which DOE will use for merit review planning:

- Project Title
- Tracking ID#
- DOE Facilities(s) and proposed partner(s), if applicable
- A brief project narrative not to exceed 5,000 characters, which DOE may use for public release

Name File: **2018 TCF LOI "Tracking ID#".pdf**

Attachment Name	File Size	File Upload Date
No Concept Paper uploaded.		
<input type="button" value="Attach File"/>		

Agreement Requirements: I, my home organization, and my proposed partner(s) have read and agree to all the agreement requirements as they are outlined in the [Solicitation](#). Agreement to

After completing and saving this form, the applicant may edit the saved version until Tuesday, January 23, 2018 8:00 PM MT. To submit the proposal for final review, the applicant **MUST be reviewed.**

For assistance with this process, please contact Nick Case at 208-526-7804 or tcfsubmissions@inl.gov.

1. To make changes to a Concept Paper that has already been submitted, click the “Withdraw Submission” button.
2. Be sure to resubmit your Concept Paper once all necessary changes have been made.
3. Changes can be made up until the due date.

Concept Paper Attachment

Applicants must submit a short narrative document, which DOE will use for merit review planning:

- Project Title
- Tracking ID#
- DOE Facilities(s) and proposed partner(s), if applicable
- A brief project narrative not to exceed 5,000 characters, which DOE may use for public release

Name File: **2018 TCF LOI "Tracking ID#".pdf**

	Attachment Name	File Size	File Upload Date
View	2018 TCF LOI 13414.pdf	61537	12/5/2017 7:46:20 AM

Agreement Requirements: I, my home organization, and my proposed partner(s) have read and agree to all the agreement requirements as they are outlined in the [Solicitation](#). Agreement by all par

After completing and saving this form, the applicant may edit the saved version until Tuesday, January 23, 2018 8:00 PM MT. To submit the proposal for final review, the applicant **MUST** click on **be reviewed**.

For assistance with this process, please contact Nick Case at 208-526-7804 or tcfsubmissions@inl.gov.

Save

Withdraw Submission

As before, click the “Create New Application” link to begin the full proposal process.

Current Open Calls

These are the current calls for which you may submit an application. Select "Create New Application" and will be listed below.

	Call Name	End Date
Create New Application	FY 2018 Technology Commercialization Fund	1/23/2018 8:00:00 PM

Your Applications

Here is a list of your saved applications. Click on the pencil icon to make edits.

		Tracking ID	Call Name	Title
		TCF CP-18-13414	FY 2018 Technology Commercialization Fund	FY18 TCF

From the dropdown menu, select the Concept Paper ID number that corresponds to the Proposal you want to submit.

Then click the “Select” button to generate the form.

TCF Application

Technology Commercialization Fund application: The form may be saved, revisited, and edited until Tuesday, March 27, 2018 8:00 PM MT.

Fiscal Year 2018 Office of Technology Transitions (OTT) Technology Commercialization Fund

****You must save the application to generate a Tracking ID number and attach documents. Scroll down i**

Please select the Concept Paper this proposal is based on. **NOTE: Once selected you can not change it!**

Identification Number

Tracking ID	Status	Title
13414	Submitted	FY18 TCF Concept Paper Title





1. All of the information provided in the Concept Paper will carry over to the full proposal form.
2. The only editable field carried over from the Concept Paper will be the Proposal Point of Contact section.
3. To make changes to any other field, contact TCF@hq.doe.gov. Upon approval, OTT will update the application form with the edits.

TCF Application

Technology Commercialization Fund application: The form may be saved, revisited, and edited until Tuesday, March 27, 2018 8:00 PM MT.

Fiscal Year 2018 Office of Technology Transitions (OTT) Technology Commercialization Fund

****You must save the application to generate a Tracking ID number and attach documents. Scroll down if you can be found [here](#).**

Call	FY 2018 Technology Commercialization Fund
Tracking ID	TCF-18-13412 (status - Working)
Project Title	Title
Period of Performance	6
Brief Project Description	BPD

Principal Investigator Information

Salutation	Mr.
First Name	Scott
Last Name	Horrocks
Phone Number	208-526-0618 (XXX-XXX-XXXX)
Primary Email	Scott.Horrocks@nl.gov
Confirm Email	Scott.Horrocks@nl.gov
Alternate Email	

Affiliation and Program Area Selection

Select Lead Facility	Oak Ridge National Laboratory
Topic	Topic 1
Primary Area	EE-AMO: Advanced Manufacturing
Technology Area Justification	Please enter a brief (1000 characters or less) description why this is your technology area.
2nd Area (optional)	NE-FCRD: Fuel Cycle Research and Development
2nd Technology Area Justification	Please enter a brief (1000 characters or less) description why this is your technology.

Proposal Point of Contact

In the space below, please identify a point of contact within the National Laboratory's/Facility's Technology Transfer Office or Business Development Office.

Salutation	First Name	Last Name	Organization
Dr.	Test	Case	National Laboratory: Fermi National Accelerator Laboratory



The budget spreadsheet is a downloadable form.

Download the form.

Fill it out.

Upload it with this naming convention: 2018 TCF Budget "Tracking ID #". Xlsx.

TCF Proposal Budget Breakout

	Total TFC Share	Total Non-Federal Share	Non-Federal Share: Cash	Non-Federal Share: In-Kind	Total Project Costs	
Personnel		\$0.00			\$0.00	50/50 Matching Funds Requirement Satisfied? Y/N
Travel		\$0.00			\$0.00	
Equipment		\$0.00			\$0.00	
Supplies		\$0.00			\$0.00	
Contractual		\$0.00			\$0.00	
Other		\$0.00			\$0.00	
Total Direct Charges	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Indirect Charges		\$0.00			\$0.00	
Total Project Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	#DIV/0!

**Please note that in order to be eligible for DOE Funding, a proposal MUST meet the 50/50 cost share requirement as defined in the FY18 TCF Solicitation. It is possible for the non-Federal match to exceed the funding contributed by the TCF, if the DOE site or private partner wished to provide more than 50% of the total project cost.*

1. Applicants will need to provide a Technical Abstract, Commercialization Plan, a Technical Narrative, and Budget information.
2. Changes can be made up until the deadline. Be sure to click the “Save and Submit” button to submit the proposal.
3. Questions regarding the submission site can be directed to TCFSubmissions@inl.gov.

Technical Summary/Abstract		
Attachment Name	File Size	File Upload Date
No Technical Summary/Abstract uploaded.		
<input type="button" value="Attach File"/>		

Commercialization Plan		
Attachment Name	File Size	File Upload Date
No Commercialization Plan uploaded.		
<input type="button" value="Attach File"/>		

Technical Narrative		
Attachment Name	File Size	File Upload Date
No Technical Narrative uploaded.		
<input type="button" value="Attach File"/>		

Budget Information	
Funding Requested	<input type="text"/>
Non-Federal Matching Funds	<input type="text"/>
Proposed Total Budget	<input type="text"/>
Non-federal sources	<input type="checkbox"/> Laboratory has verified that matching funds are from non-federal sources

Attachment Name	File Size	File Upload Date
No Budget uploaded.		
<input type="button" value="Attach File"/>		

After completing and saving this form, the applicant may edit the saved version until **Wednesday, November 30, 2016 12:00 AM MST**. To submit the proposal for final review, the applicant **MU will not be reviewed.**

For assistance with this process, please contact **Nick Case at 208-526-7804** or tcfsubmissions@inl.gov.

1. To update your Concept Paper and/or Proposal, go to the “Applications” tab.
2. Click the “Pencil” icon to the left of the Tracking ID under “Your Applications”.
3. Update the application with the missing or incorrect information.
4. Click “Save” to save your updated information.

Current Open Calls

These are the current calls for which you may submit an application. Select "Create New Application" next to the call number and will be listed below.

	Call Name	End Date	Fiscal Year
Create New Application	FY 2018 TCF Concept Paper	1/23/2018 8:00:00 PM	2018
Create New Application	FY 2018 Technology Commercialization Fund	3/27/2018 8:00:00 PM	2018
Create New Application	FY 18 NE Voucher	1/12/2018 12:00:00 AM	2018

Your Applications

Here is a list of your saved applications. Click on the pencil icon to make edits.

		Tracking ID	Call Name	Title
		TCF CP-18-13414	FY 2018 TCF Concept Paper	FY18 TCF Concept Paper Title



Delegating a Concept Paper or Application

1. To delegate your Concept Paper and/or Proposal, go to the “Applications” tab.
2. Click the “Lock” icon to the left of the Tracking ID.
3. In the “New and Pending Delegation Requests,” select “Create New Request.”
4. Provide the requested information on the individual receiving delegation rights, the type of permission they will receive, and click the “check” icon. The person must have a user account.

Applications | Reports | My Information | NEUP.gov

Current Open Calls

These are the current calls for which you may submit an application. See number and will be listed below.

	Call Name	End
Create New Application	FY 2017 Integrated Research Projects	2/15/
Create New Application	FY 2017 TCF Full Proposal	11/30

Your Applications

	Tracking ID	Call Name
🔒	TCF-17-13242	FY 2017 TCF Full Proposal
🔒	TCF-17-13242	Fiscal Year 2017 Technology Commercialization Fund

Tracking ID: TCF-17-13242
Title: Test

Delegated Rights

First Name	Last Name	Email	Permission
None			

Page: 1 of 1 Go Page size: 10 Change Item 0

New and Pending Delegation Requests

[+ Create New Request](#) [Refresh](#)

First Name	Last Name	Email	Permission	
			Proposal Admin	<input checked="" type="checkbox"/>
			Proposal Admin	<input type="checkbox"/>
			Proposal Viewer	<input type="checkbox"/>

Page: 1 of 1 Go Page size: 10 Change Item 0 of 0

There will be a metrics and evaluation effort

- Five year duration
- Facilities will be required to provide information and data to support the metrics and evaluation effort

The evaluation effort will encompass

- Outcome and impact from awarded projects
- Evaluation of TCF processes

Direct questions about the TCF program rules and proposal process to TCF@hq.doe.gov.

Questions about using the online application portal should be directed to TCFSubmissions@inl.gov.

All Q&A will be distributed to the TCF POCs at the Facilities.

Information via other channels will not have standing from OTT.

Questions about the TCF program rules and proposal process:
TCF@hq.doe.gov

Questions about using the online application portal:
TCFSubmissions@inl.gov



U.S. DEPARTMENT OF
ENERGY

Office of
Technology
Transitions