

## **Department of Energy**

FY24 DE-FOA-000

Full Research Proposal Checklist

This checklist applies to the DOE Office of Science (SC) FY2024 open broad solicitation DE-FPA-0003177. This FOA provides general proposal preparation guidelines covering the required sections of full research proposals submitted to DOE. Please note, when applying to a specific program solicitation the instructions within a specific funding opportunity announcement (FOA) may differ from these general instructions. Please review the specific FOA and contact your RAS contract administrator with any questions.

## **REQUIRED FORMATTING:**

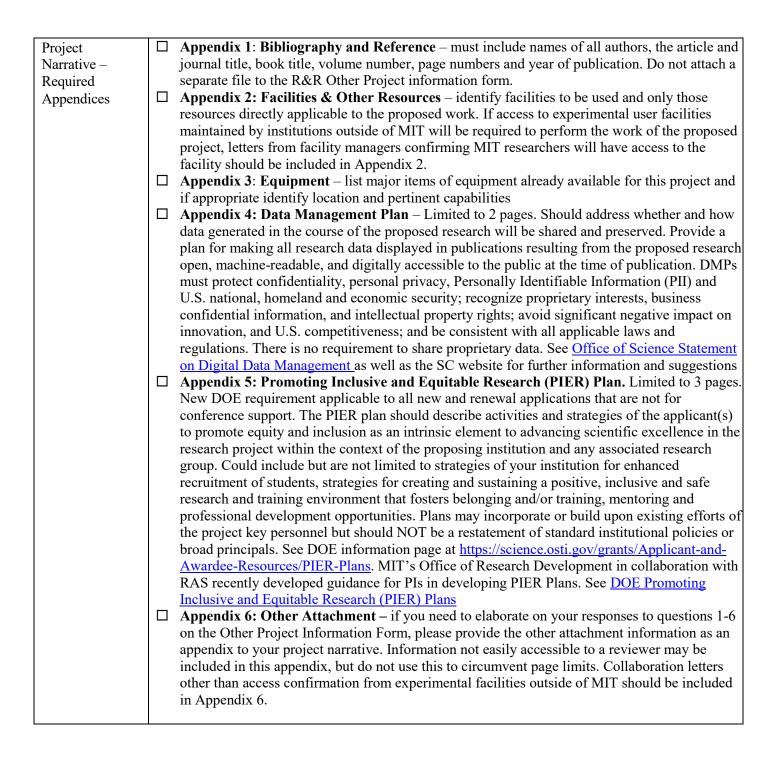
- Page size 8.5" x 11"
- Margins: must be one inch on all sides
- Font size must be 11 point or larger
- Do not include any URLs that provide supplementary information that constitutes part of the application
- All documents must be flattened PDFs without access restrictions or passwords

**SUBMISSION:** Applications in response to this FOA must be submitted through Grants.gov. If MIT PIs or DLCIs need assistance registering for access to grants.gov please reach out to <a href="mailto:ra-help@mit.edu">ra-help@mit.edu</a>

## **REQUIRED COMPONENTS:**

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Dates and	☐ The SC open solicitations are typically open for 12 months. FOA remains open until
Deadlines	11:59pm Eastern Time on the date of expiration or until succeeded by another issuance
	whichever comes first. Check the Open FOAs page be sure the Grants.gov application is
	linked to the most current solicitation
	☐ Applications for conferences or workshop support must be submitted at least six months
	prior to the proposed meeting date and not later than April 1, 2024 to be considered for FY
	2024 funding
	☐ DOE will accept new, renewal and supplemental applications under this FOA
	☐ Renewal applications compete with all other applications and must be submitted at least six
	months before the scheduled expiration of the current award's project period.
Grants.Gov	☐ Ensure your RAS contract administrator and the relevant DOE agency liaison have been added
Access	to the grants.gov workspace.
Personnel,	☐ MIT PI status is required for all MIT PIs and Co-PIs
Project Roles	☐ All MIT PIs/Co-PIs/ and any named Senior/Key Personnel must complete KC
	Proposal certification/COI screening to comply with DOE Interim Conflict of Interest
	Policy Requirements. KC has been updated to include DOE in the PHS hierarchy for
	proposal certifications. See <u>RAS Update on DOE Interim Conflict of Interest Policy</u> .
	DOE considers Senior/Key persons as those who contribute in a substantive, meaningful way to
	the scientific development or execution of the project, whether or not salaries are requested.
Certifications &	☐ MIT requires a letter quoting any named consultant's role, expertise, and established
MIT Internal	consultant rate for internal purposes. See RAS: Proposal Preparation Basics
Attachment	☐ Be sure to enter correct Activity Type in KC Proposal details.
requirements:	= 25 5525 to shirt solitor <u>literity 1,500</u> in the 110postal accumb.
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Organization/ Locations	☐ Enter any subaward or other performance sites in KC under Proposal > Basics > Organization and Location. If Organization does not already exist in KC, request it be added at KC: Request New Subawardee Organization
SF424 (R&R) Form	<ul> <li>□ Complete Field 4.a. for renewal and supplement applications ONLY</li> <li>□ Ensure correct Type of Application. Supplement applications should be marked as "Revision" and applications requesting additional funding for a continuation should be marked as "Renewal"</li> <li>□ DOE SC does not use Resubmission or Continuation options</li> <li>□ Answer the question YES/NO is this application being submitted to other agencies and complete the subsequent field if applicable</li> <li>□ For Multi-Institutional Teams: see instructions in FOA as there are two mechanisms to support teams of multiple institutions and the specific instructions explain the deviations to the standard form and attachment guidance.</li> </ul>
Research & Related Other Project Information Form	<ul> <li>□ Complete questions in fields 1 – 6. See notes in FOA regarding environmental impact</li> <li>□ Upload Project Summary / Abstract to Field 7 of the form following FOA instructions for formatting.</li> <li>□ Upload the Application Project Narrative to Field 8 of the form – see further guidelines below and see FOA for any page limits. If none listed then none apply.</li> <li>□ DO NOT attach any of the required appendices to fields 9, 10, 11 of this form. Follow the instructions in the FOA for including required appendices to the Project narrative.</li> <li>□ Attach list of Merit Reviewer Conflicts to Field 12 per the FOA.</li> </ul>
Project Summary / Abstract	<ul> <li>□ The project summary / abstract is a 2 page document consisting of:</li> <li>□ A Cover sheet containing the name of the applicant, project title, PI and PIs institutional affiliation, and any coinvestigators and their institutional affiliation</li> <li>□ A one page summary that includes objectives of the project, description, including methods to be employed, and the potential impact of the project (i.e., benefits, outcomes)</li> <li>□ The Description of the project may not exceed one page.</li> </ul>
Project Narrative	<ul> <li>□ The application must begin with a title page to include the items outlined in the FOA</li> <li>□ You must create one single machine-readable PDF file that contains the DOE Title Page, project narrative, all required appendices, and any applicable other attachments. The single PDF may not be scanned from a printed document and must be attached to Field 8 of the Research and Related Other Project Information Form</li> <li>□ Title Page Supplement for Collaborative Applications: See specific FOA instructions for additional information to be included. This does not count toward the narrative page limit.</li> <li>□ Do not include any websites (URLs or hyperlinks)</li> <li>Project Narrative Organization Guidance:</li> <li>Background/introduction</li> </ul>
	<ul> <li>Progress Report (for renewal applications only)</li> <li>Project Objectives</li> <li>Proposed Research and Methods</li> <li>For Collaborative Applications ONLY – each institution in a multi-institutional team submitting collaborative applications must submit an identical common narrative, including all appendices. Collaborative applications will be longer than single-institution applications. The common narrative must identify which tasks and activities will be performed by which of the institutions in every budget period of the proposed project. The budget and budget justification are unique to each institution. It is very important that every application in the team be identical (including the title) with exception of the budget and budget justification pages.</li> <li>Buy America Requirements – does not apply to MIT -as we don't engage in construction/repair/maintenance of public infrastructure</li> </ul>



Research and Related Key Person Form (expanded)	□ Complete the form for all Pls, Co-Pls and all senior/key personnel who will be identified by name in Section A of the application's budget.  □ List all other personnel who contribute in a substantive, meaningful way to the scientific development or execution of the project, whether or not salaries are requested.  □ Consultants should be included in this form if they meet the above definition.  □ In the "credential" field enter the persons PAMS username, if known  □ Current and Pending Support: DOE requires use of an NSF approved format for the current and pending is required. That is SciENev. For more information on approved formats see NSF's documents required for Senior Personnel  □ The PI and each senior/key person must provide list of all sponsored activities, awards and appointments whether paid or unpaid; provided as a gift with terms or conditions or provided as a gift without terms or conditions; full-time, part-time or voluntary; faculty, visiting, adjunct or honorary; cash or in-kind; foreign or domestic; government or private-sector, directly supporting the individual's research or indirectly supporting the individual by supporting students, research staff, space, equipment or other research expenses. All foreign government-sponsored talent recruitment programs must be identified in current and pending support. Each list must include:  ■ sponsor of the activity or source of funds  ■ award or other identifying number  ■ title of the award  ■ total cost or value including direct and indirect costs  ■ award period  ■ person months of effort  ■ if required to identify overlap, duplication of effort, or synergistic efforts, append a description of the other award or activity to the current and pending support.  □ Biosketch: Limited to 3 pages unless otherwise stated in the FOA. Must use the format approved by the National Science Foundation (NSF). That is SciENev. For more information see NSF's biosketch information. The following sections are required.  ■ Education and Training – undergraduate, gradua
	<ul> <li>DOE requires the use of the format approved by the National Science Foundation (NSF) which is SciENcv</li> </ul>
Budget (Including Justification)	<ul> <li>□ Complete Research and Related Budget form in accordance with the instructions on the form.</li> <li>□ Must complete a separate budget for each year of support requested. The form will generate a cumulative budget for the total project period.</li> <li>□ Organize the justification by listing items in the same order as presented on the budget form.</li> <li>□ Ensure narrative matches budget in dollar amounts and language</li> <li>□ If costs are estimated, provide a basis for the estimate. Explain if costs are based on prior experience of similar activities)</li> <li>□ If including an inflationary factor for future budget periods, explain the basis for it.</li> <li>□ Provide details of all personnel (key or other) regardless of the source of their compensation.</li> </ul>

		it is not from this awar as part of the budget		
	pase salary. Funds requinge benefit rate conta	nested for fringe benefit ined in an institution's	s must be calculated and, in negotiated indirect cost rat	
	of more than one year	this is only for propos	ion cost of \$5,000 or more all budgeting and differs from and justify each in the	
how it relates to the proje To qualify for support, at	ect. Indicate the basis f tendance at meetings research, plan extensi	for the cost estimate (que or conferences must enl	staff, purpose of travel and otes, past experience, othe nance the investigator's e results. Domestic and for	er).
1	pport trainees must list and any related training or institutes and shoul es and places of meeting	each trainee cost that is expenses. Participant of d include number of pa	ncludes stipend levels and costs are those associated v rticipants, costs for each,	
amount for each obasis for cost esti  Publications – may otherwise making the award. Includ  Consultants – in just days, travel costs  ADP/Computer Set the established costs  Subawards/Consort  Equipment or Faci justify. Include be Alteration and Ren	category. Categories lamate (quote, past, other request funds for the gavailable to others the ling supporting inform stification identify each and estimate costs. In rvices – Cloud computer service rates artium/Contractual – stitum/Contractual – stitum/Contrac	ess than \$1,000 do not reer) cost of documenting, proper finding and products thation and basis for cost the consultant, services the dicate basis for cost est thing costs must be included the proposing organization justification justify the	of the work conducted und estimate to be performed, number of imate. Included under this item. Includation if applicable are details of each subaward ify each rental/user fee and attion including repairs,	der f de
			rmation if using a negotiate rates, if multiple rates	
Subawards:				

RAS DOE Proposal Checklist FY24 DE-FOA-0002844

☐ Must provide a separate R&R Budget form and budget justification for each subrecipient.

budget form. Errors will be created if a subrecipient sends a prime applicant a budget form

Download the R&R Subaward Budget Attachments forms from Workspace.

☐ Ensure files received from subrecipients are the PDF files extracted from the subaward

	that was not extracted from the application package.  NOTE: if an application proposes subawards to a DOE/NNSA National Laboratory, a federal agency, or another Federal agency's FFRDC (such as MIT-LL), the value of such proposed subaward may be deducted from any resulting award: those classes of organizations may be paid directly by SC. However, the details of such proposed budgets are essential for understanding and analyzing the proposed research		
Project/Perform ance Site Location (s)	☐ Indicate the primary site where the work will be performed. Including any subaward sites.		
Disclosure of Lobbying Activities (SF- LLL)	☐ MIT does not lobby but if any subrecipient has activities to declare they should provide such the SF-LLL form.		
Identification of Merit Reviewer Conflicts	<ul> <li>□ Provide a list of any individuals who should not serve as a merit reviewer of this application,</li> <li>□ Attach this form to Field 12 of the Research and Related Other Project Information Form.</li> <li>□ Lists must be in tabular format, preferably as Microsoft Excel (xls or .xlsx) files</li> <li>□ A template is available at DOE's Grant/Cooperative Agreement Forms</li> <li>□ Provide the following information for each and every senior/key person who is planned to be or is identified in Section A of the R&amp;R Budget for the applicant and any proposed subrecipients:         <ul> <li>• Advisees (graduate or postdoc) of the senior/key person</li> <li>• Advisors of the senior/key person while a graduate student or postdoc</li> <li>• Close associates of the senior / key person over the past 48 months</li> <li>• Co-duthors over the past 48 months</li> <li>• Co-Investigators over the past 48 months</li> <li>• Collaborators over the past 48 months</li> <li>• Collaborators over the past 48 months</li> <li>• Collaborators over the past 48 months</li> <li>• Collaborations of 10 or more researchers do not require that all collaborators be identified, rather only list the researchers with whom the senior/key person actually collaborated</li> <li>□ For all identified individuals provide the following information:</li> <li>• The senior/key person to whom the individual was the advisee, advisor etc., identified by first name and last name</li> <li>• The individuals Open Research and Contributor ID (ORCiD), if known</li> <li>• The individuals open Research and Contributor ID (ORCiD), if known</li> <li>• The individuals in sintitutional affiliations</li> <li>• The reason for listing the individual (advisee, advisor, etc.)</li> <li>• The year when the individual was last a close associated, co-author, co-editor,</li></ul></li></ul>		
Administrative and National Policy Requirements	☐ This FOA includes a DOE <u>Determination of Exceptional Circumstance (DEC) under the Bayh-Dole act</u> . All awards including subawards under this FOA shall include the U.S. Competitiveness Provision in accordance with Section VII of the FOA.		
Determination of Exceptional Circumstance	DLCIs and PIs (including subawards) should be made aware of this term and that it modifies the standard patent rights clause for small businesses and non-profit awardees. The applicant (and subawards) must agree to a U. S. Competitiveness provision requiring any products embodying any subject invention or produced through the use of any subject invention will be manufactured substantially in the United States unless the Recipient can show to the		

January 2024 6 | Page

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	satisfaction of DOE that it is not commercially feasible.	
	☐ If an entity cannot meet the requirements of the U.S. Competitiveness Provision, the entity	
	request a modification or waiver of the requirement. If granted DOE will modify the award	
	terms accordingly. More information on the waiver process is available	
	☐ RAS CAs should notify MIT TLO (email to <u>tlo-comp@mit.edu</u> ) with information on the PI	[ and
	proposal and this term. If awarded, RAS CAs will utilize the special term codes and	
	supplemental information flags available in KC for reporting/tracking and notify TLO at aw	vard
	stage.	
	<ul> <li>☐ The Recipient is typically asked to draft and submit a U.S. Manufacturing Plan after award.</li> </ul>	DΙc
	should consult their MIT-TLO officer to review these plans prior to submission to DOE.	. 1 13
D 1.21.24		
Prohibition on	FGTRP Disclosure Language:	
Participation in	☐ This FOA includes language requiring disclosure by project personnel (PI, Co-PI, key personnel)	
Foreign	other) of participation in any Foreign Government Talent Recruitment Programs (FGTRP).	
Government	☐ RAS CAs are advised to share this term with the PI and DLCI so they are aware and have	
Talent	included information on all foreign collaborations in their Current and Pending including the	ose
Recruitment	of subrecipients.	
Programs		
(FGTRP)	FGTRP Certification Language – Some DOE and DOE National Lab solicitations contain	
(= ====)	certification requirements that ask applicants to certify that no individuals proposed to work	c as
	part of the research are participants in a FGTRP. This information is included for reference.	
	you see FGTRP certification language in a solicitation or you aren't sure please check with	
	DOE liaison.	u
	☐ MIT has an internal process for obtaining certifications from PIs, Co-PIs and any named	
	senior/key persons to confirm they are not participants in a FGTRP.	
	☐ The MIT PI (and other senior / key persons) are asked to sign MIT's internal PI Affirmation	[]
	form. This does not get submitted DOE but will be uploaded to the KC proposal files.	
	For subrecipients to MIT – should be made aware of the terms as it applies to subrecipients	
	☐ If awarded, RAS CA will use internal term codes and supplemental information flags for	
	tracking/and reporting on awards with certification requirements.	
	☐ If awarded and DOE requests additional information contact your RAS CA for guidance.	