

Reference Indicators List here:



EFRI Reporting Systems

For EFRI officers to complete

For EFRI PI's to complete

Active awardees

Post-award

Original Indicator #7

Provide the number and the total dollar amount of grants co-funded by the agencies listed below


National Institutes of Health (NIH)	#	\$\$
Department of Defense (DOD)	<input type="text"/>	<input type="text"/>
National Aeronautics and Space Administration (NASA)	<input type="text"/>	<input type="text"/>
National Oceanic and Atmospheric Administration (NOAA)	<input type="text"/>	<input type="text"/>
Department of Energy (DOE)	<input type="text"/>	<input type="text"/>
Food and Drug Administration (FDA)	<input type="text"/>	<input type="text"/>
Environmental Protection Agency (EPA)	<input type="text"/>	<input type="text"/>
National Institutes of Standards and Technology (NIST)	<input type="text"/>	<input type="text"/>
Department of Homeland Security (DHS)	<input type="text"/>	<input type="text"/>
Defense Advanced Research Projects Agency (DARPA)	<input type="text"/>	<input type="text"/>
Other	<input type="text"/>	<input type="text"/>



Select to add additional fields

Programmatic Evolution (Original Indicator #18)

Please indicate if this EFRI research has led to new programs at any research funding agency

Program Name	Program Description	Agency
 Select to add additional	fields	

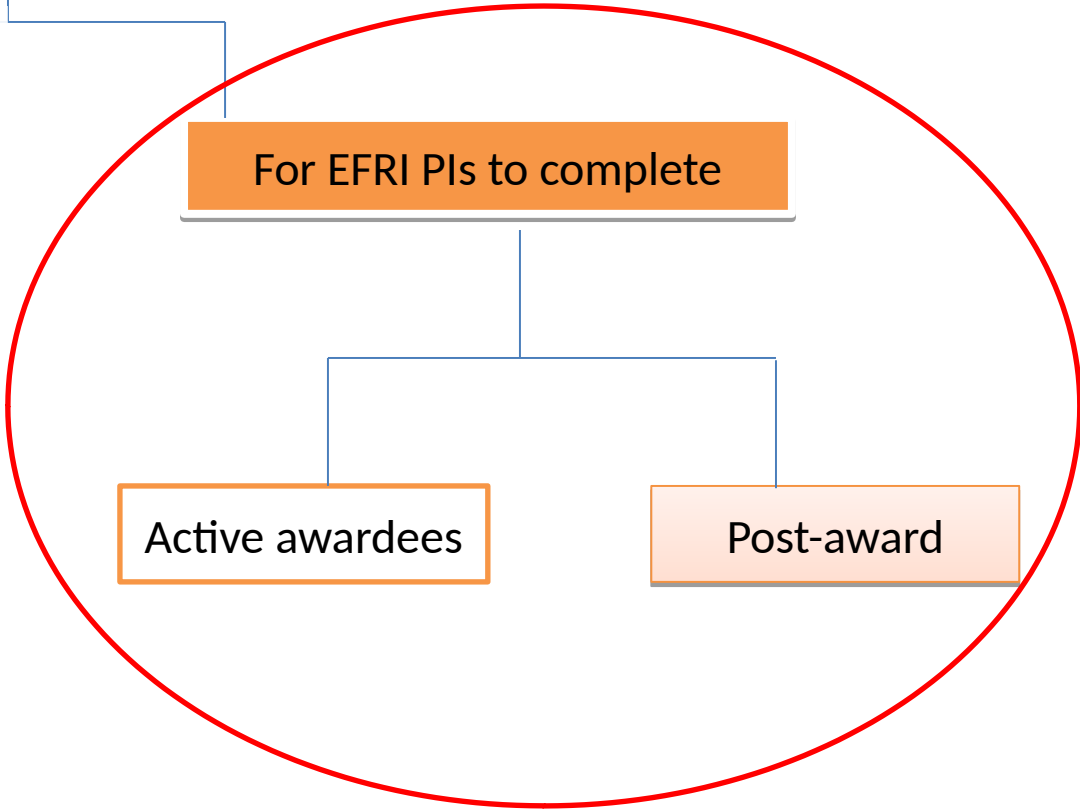
EFRI Reporting Systems

For EFRI officers to complete

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Question 1 (Indicator #9)

Please check the Grand Challenges and/or National Needs that this EFRI research initially set out to address as indicated in the grant proposal

- Make solar energy economical
- Provide energy from fusion
- Develop carbon sequestration methods
- Manage the nitrogen cycle
- Provide access to clean water
- Restore and improve urban infrastructure
- Advance health informatics
- Engineer better medicines
- Reverse-engineer the brain
- Prevent nuclear terror
- Secure cyberspace
- Enhance virtual reality
- Advance personalized learning
- Engineer the tools of scientific discovery
- National Need

Does the research project currently address the same set of Grand Challenges and/or National Needs that the research initially set out to address?


Yes No

If not, please indicate below the set of Grand Challenges and/or National Needs the research currently addresses.

- Make solar energy economical
- Provide energy from fusion
- Develop carbon sequestration methods
- Manage the nitrogen cycle
- Provide access to clean water
- Restore and improve urban infrastructure
- Advance health informatics
- Engineer better medicines
- Reverse-engineer the brain
- Prevent nuclear terror
- Secure cyberspace
- Enhance virtual reality
- Advance personalized learning
- Engineer the tools of scientific discovery
- National Need

Question 2 (Indicator #1 and 8)

Please list all collaborators/partners that you consider to be interdisciplinary

Name	Institution	Discipline
	Select to add additional fields	<ul style="list-style-type: none"> • Engineering • Physics • Biology • Chemistry • ... • Other Define: _____

Please indicate the nature of the collaboration and whether the partner is international (check all that apply)

II	DI	C	NP	G	I

Key

Degree Granting Institutions
II = Intra-institution (within same institution)
DI = Domestic Inter-institution (different institutions)

Non-Degree Granting Institutions
C = Corporation
NP = Non-profit
G = Government

I = International




Question 3 (Indicator #2)

Number of accepted publications with co-authors from different disciplines that have resulted from this award

field only

Question 4 (Indicator #4)

Please list all achievements of any of the PIs and Co-PIs involved in the EFRI research in the appropriate category




PI Name	Achievement	Description
Lead PI (name pre-populated)	<div style="border: 1px solid gray; padding: 5px;"> <input type="radio"/> Recognition Awards <input type="radio"/> Leadership Roles <input type="radio"/> Promotions <input type="radio"/> Other </div>	
 Select to add additional fields		
Co-PI #1 (name pre-populated)		
 Select to add additional fields		
Co-PI #2 (name pre-populated)		
 Select to add additional fields		
Etc...		

Question 5 (Indicator #5 and 10)

Has this research generated additional funding from other sources (other NSF programs or other agencies) for all PIs and Co-PIs involved in this EFRI project research?


Please collect this data for all PI's listed below.

Past-PIs are displayed in gray, with option to add information if additional funding is in any way related to the EFRI research

PI Name	Grant Title	Agency	> \$2 Million/ grant
Lead PI (name pre-populated)			Yes/No
 Select to add additional fields Co-PI #1 (name pre-populated)			
 Select to add additional fields Co-PI #2 (name pre-populated)			
 Select to add additional fields ...			

Question 6 (Indicator #6)

Please list any researchers who have spent more than 10% of their time in a laboratory at a different institution (including EFRI partner laboratories)


Name	Host Institution	Title
	Select to add additional fields	PI Co-PI Research Faculty Post-Doctorate Graduate Student Undergraduate Research Assistant Visiting Researcher Other _____

Question 7 (Indicator #11)




Post award monitoring systems only

Please list any companies or start-ups that were developed directly or indirectly based on the research funded by EFRI

Companies/Start-Ups	Product/Service/Process	Description of Product/Service/Process	Year Founded
	<input type="radio"/> Product		
 Select to add additional	<input type="radio"/> Service		
	<input type="radio"/> Process		
	<input type="radio"/> Other		


Question 8 (Indicator #13)

Please provide the following information about any licensing activity that has resulted from your EFRI research

Technology being licensed	Type of license	Year of licensing agreement
	<input type="radio"/> Patent	
 Select to add additional field	<input type="radio"/> Other <input type="text"/>	

Question 9 (Indicator #14)

Please list any companies that have demonstrated interest in partnership activities related to your EFRI research. Please gather this information from all leadership in the EFRI grant.


Company	Please describe nature of interest for partnership
 Select to add additional fields	<input type="radio"/> Continued Conversations
	<input type="radio"/> Monetary Commitment
	<input type="radio"/> Contractual Agreement
	<input type="radio"/> Other
	<input type="text"/>



Post award monitoring systems only


Question 10 (Indicator #15)

Please list new research capabilities resulting from EFRI research that are being utilized and adopted by the research community and their appropriate categories

Description	Type
	<input type="radio"/> Technique or Method
 Select to add additional fields	<input type="radio"/> Tool or Equipment
	<input type="radio"/> Resource
	<input type="radio"/> Model
	<input type="radio"/> Device
	<input type="radio"/> Other
	<input type="text"/>

Question 11 (Indicator #16, 17, and 18)

Please indicate if this EFRI research has led to curriculum changes at any educational level, collegiate or pre-collegiate


Curriculum change	Describe	Education Level
<input type="text"/>		<input type="text"/>
 <ul style="list-style-type: none">New CourseSupplement to existing courseCourse SubstitutionNew ProgramProgram modificationOther	onal fields	<ul style="list-style-type: none">PK-12College



Post award monitoring systems only

Question 12 (Indicator #20)


Please provide the following information about former EFRI-supported students who have become involved in high-risk/ high-reward research.

Name	Current Title	Field of Research
 Select to add additional field	<input type="text" value="PI"/> PI Staff Scientist Post-Doctorate Graduate Student Undergraduate Research Assistant Visiting Researcher Other _____	

Could possibly pre-populate fields with names of researchers from RPPR


Question 13 (Indicator #21)

Please list any activities of new research communities that have formed around EFRI topics

New meetings/ conferences	New journals	New workshops/ working groups	News coverage/ press release	Other (ex: congressional hearings, website, social media, professional society)
 Select to add	additional fields			

Question 14 (Indicator #22 and 23)

Your research team, including senior, stipend, for-credit, and volunteer personnel, will be contacted to collect information on demographics and career path decisions. Please list all researchers that have participated in the EFRI research.

Name	Email	Role in the laboratory
 Select to add additional fields		<ul style="list-style-type: none">Research FacultyPost-DoctorateGraduate StudentUndergraduate Research AssistantVisiting ResearcherOther _____

Could possibly pre-populate fields with names of researchers from RPPR (capturing current and past trainees within the grant)

- Auto-generate different emails for different categories of researchers (ie. Grad students, post-docs, etc.) to be sent out to those participants asking them the following questions found on the following slides

Email generated to researchers: Demographic information may not be necessary to include if it is going to be collected through RPPR

Demographic Information

Why This Information Is Being Requested

The National Science Foundation is committed to broadening the participation of groups currently under-represented in science and engineering. In order to accurately gauge our progress in achieving this important goal, we ask that applicants provide the requested demographic information. Submission of the requested information is voluntary and is not a precondition of award. Nonetheless, we need your cooperation, for information not submitted will seriously undermine the statistical validity and, therefore, the usefulness of information reported. The Foundation strongly encourages women, minorities, persons with disabilities, and veterans to participate fully in its programs. In accordance with Federal statutes, regulations and NSF policies, no person on grounds of race, color, age, sex, national origin or disability shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination, under any program or activity receiving financial assistance from NSF.

[Race and Ethnicity Definitions](#)

[Disability Definitions](#)

*Gender:

*Veteran Status: Yes
 No
 Do not wish to provide

*Race: (select one or more)

- American Indian or Alaskan Native
- Asian
- Black or African American
- Native Hawaiian or Other Pacific Islander
- White
- Do not wish to provide race

*Ethnicity:

*Disability: None
 Do not wish to provide disability status
(select one or more)

- Blind or serious difficulty seeing even when wearing glasses
- Deaf or serious difficulty hearing
- Serious difficulty walking or climbing stairs
- Other Disability (Please specify. Must be less than 255 characters.)

Please list any significant achievements that resulted from your EFRI research involvement.

Achievement	Describe
<input type="text"/>	
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;"> + </div> <div style="border: 1px solid black; padding: 2px;"> conference presentation awards scholarships/fellowships recognition other </div> </div>	additional fields

Please list any outreach activities you participated in for work related to your EFRI project.

Formal Education	Describe
<input type="text"/>	
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;"> + </div> <div style="border: 1px solid black; padding: 2px;"> guest lecture class instruction webinars other </div> </div>	additional fields

Informal Education	Describe
<input type="text"/>	
<div style="border: 1px solid black; padding: 2px;"> public speaking museum exhibit participation science fair events science writing media dissemination other </div>	

Is there any other information you would like to share with us regarding your experience with this EFRI project?

Questions sent to students

Please consider how strongly you agree or disagree with the following statement:

	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree
When I began my involvement with this EFRI research, I had a clear career goal	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please rate your interest in pursuing each of the following career pathways at the beginning of your EFRI research experience

	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Click to write Scale point 6
Faculty at a research-intensive university	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Faculty at a teaching-intensive university	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Research career, non-academic (industry, pharmaceutical, biotech, government, start-up, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Non-research career (consulting, policy, science writing, patent law, business, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Comments:

Please rate your interest in pursuing each of the following career pathways currently or at the conclusion of your EFRI research

	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree
Faculty at a research-intensive university	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Faculty at a teaching-intensive university	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Research career, non-academic (industry, pharmaceutical, biotech, government, start-up, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Non-research career (consulting, policy, science writing, patent law, business, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Comments: