

Please enter only numbers below. Do not enter any text or other symbols. If you have any comments, please enter them in the comments section.

MRSEC: Reporting Period:

		Person-Months of Support (Academic Year and Summer)			
	NSF MRSEC Funds (\$K)	NSF MRSEC	Other NSF	Other Fed. Gov.	Other Non-University
Biology					
Chemistry					
Chemical Engineering					
Electrical Engineering					
Mat. Sci. (and Engineering)					
Mechanical Engineering					
Physics					

APPENDIX
months (faculty or
total dollars
of faculty
including
table show

Support of
participating
department
department
REFORM,
DEPARTMENT
INSERTED

Optional
here. Leave

se include them in the Optional Notes box on this spreadsheet.

X A: Summary Table of **faculty** support (annual basis) showing person-MRSEC, other NSF, other federal, other non-university) for each MRSEC member, *by academic department* (current, closing year). **NOTE:** (1) The ar support columns (\$k) should include salary of faculty member and share y member's support for students, postdocs, materials/supplies, etc., overhead. (2) The names listed under each departmental affiliation in this uld be consistent with the List of MRSEC Primary Participants in Section 2(i).

of NSF-MRSEC Faculty, Primary Participant (or equivalent for nonacademic nts) for the Current Award Period. List faculty names by academic ent (or equivalent). Add rows as needed for additional faculty, additional ents, and/or other affiliations or institutions (subawards). **DO NOT AT TABLE WHEN ADDING ROWS/CATEGORIES; ADDITIONAL MENTS/AFFILIATIONS SHOULD BE ADDED BELOW "PHYSICS", AND NOT) ALPHABETIACALLY.**

Notes and Comments: (PI: enter any comments you may have on the data ve blank if nothing to add beyond what is in the report.)

Please enter only numbers below. Do not enter any text or other symbols. If you have any comments, please use the space provided below.

MRSEC PARTICIPANTS

MRSEC:

Reporting Period:

Designation	Total
Total no. of participants (primary+secondary; TT and NTT)	
Primary and Secondary Participants - tenure track (TT):	
(a) Receiving NSF-MRSEC salary support	
(b) Receiving NSF-MRSEC support (not salary)	
(c) Primary National Labs & Int. Participants	
(d) Secondary Participants and MRSEC-affiliated: no MRSEC support	
Primary Participants - non-tenure track (NTT):	
(e) Receiving NSF-MRSEC salary support	
(f) Receiving other than salary NSF-MRSEC support	
Participants by Department (tenure track & non-tenure track); use only integers to designate no. from each dep't	
Physics	
Materials Science	
Chemistry	
Biological Sciences	
Mathematics	
Electrical Engineering	
Chemical Engineering	
Mechanical Engineering	
Other Engineering	
Other Science	
Postdocs	
Graduate Students (do not include PREM)	
Undergraduate Students (do not include REU / PREM)	
Technical Support Staff - Shared Facilities	
Technical Support Staff - non Shared Facilities	
IRG Leaders	
Education Staff not reported elsewhere	
Administrative Support Staff	

APPENDIX
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data here

ase include them in the Optional Notes box on this spreadsheet.

X B: Number of faculty (or equivalent for nonacademic participants), the
nts' departmental affiliation, postdocs, graduate students,
duates, and support staff in the MRSEC. **NOTE:** The (a) salaried primary
nts are those receiving NSF-MRSEC salary support; they may receive
l NSF support. Primary participants in (b) are supported by NSF-MRSEC in
er than salary (e.g. receiving support for student/postdoc.)

Notes and Comments: (PI: enter any comments you may have on the
2. Leave blank if nothing to add beyond what is in the report.)

Please enter only numbers below. Do not enter any text or other symbols. If you have any comments, please in

EDUCATION & OUTREACH MRSEC:

Designation	Number of Active Participants	Number funded by NSF MRSEC
REU Students total		
RET Teachers total		
Other Pre-College Teachers total		
Undergraduate Faculty total		
	Number of K-12 students receiving MRSEC funds for stipend (not supplies)	Number of K-12 students Impacted Participants
K-12 Students total		
Breakout of MRSEC Educational Funds (do not include supplements)		\$K
(a) K-12		
(b) MRSEC REU support		
(c) Other Undergraduate support		
(d) RET support, not supplement		
(e) Informal Science		
Total Education Outreach (same as Total as MRSEC Education Budget column) (a+b+c+d+e)		
REU and RET Site support (separate NSF award)		
REU and RET Supplements		

include them in the Optional Notes box on this spreadsheet.

Reporting Period:

APPENDIX C: Education and Outreach: Use the table to list the total number of REU students and RET teachers supported by the MRSEC. Also, list the total number of K-12 students, and pre-college teachers and faculty from predominantly undergraduate institutions. Provide information for two groups of K-12 students: (1) Active participants that receive financial support (stipends, **not** materials and supplies) from MRSEC, and (2) the wider group of *impacted* participants (museum attendees, classroom students, etc.)

Breakout MRSEC financial support (**\$K**) devoted for: K-12, MRSEC REU, other undergraduate programs, RET, Informal (outreach) Science. The total of these five categories must equal what is reported on the Education Breakout Budget. List additional NSF REU and RET Site support (**separate NSF awards**, if applicable) which is affiliated with the MRSEC, and REU and RET Supplements.

Round dollar amounts to thousands.

Optional Notes and Comments: (PI: enter any comments you may have on the data here. Leave blank if nothing to add beyond what is in the report.)

Please enter only numbers below. Do not enter any text or other symbols. If you have any comments, please provide them in the comments section.

COST CONTRIBUTIONS **MRSEC:**

	Current Year	Proposed Year
Reporting Period		
Designation	\$K	\$K
Cost Contributions		
Other NSF (include supplements to the MRSEC)		
Other Federal		
State		
Local		
Foundation		
Industry		
University		
International		
Other		
Total Cost Contributions		

ease include them in the Optional Notes box on this spreadsheet.

Reporting Period:

APPENDIX D: Summary Table of annual dollar levels of support (or dollar equivalent):

Cost contributions: complementary support for MRSEC activities. The MRSEC effort can be augmented by other sources, which may include cash contributions, sponsored projects to the MRSEC, equipment donations, laboratory renovations, etc. Note: **Do NOT INCLUDE sponsored projects (individual awards) to the individual faculty members, even if they are related to the core mission of the MRSEC. Only include funding that goes directly to the Center or is managed primarily by the Center.**

Cost contribution explanation page: Please attach a brief list of cost contributions (i.e., how cost funds were spent: faculty salary, student support, equipment, etc). **Do not include buildings.**

Please enter only numbers below. Do not enter any text or other symbols. If you have any comments,
OUTPUT **MRSEC:**

<i>Designation</i>	<i>Number Current Year</i>	<i>Award Cumulative Totals</i>
Publications		
IRGs: Primary Publications that explicitly acknowledge current MRSEC support		
IRGs: Partial Publications that explicitly acknowledge current MRSEC Support		
IRGs: Number of Primary and Partial Publications that explicitly acknowledge current MRSEC support co-authored by 2 or more Primary participants (PP or NIP) as defined in Sections 2(i) and 2(ii).		
IRGs: Number of Primary and Partial Publications that explicitly acknowledge current MRSEC support co-authored by 2+ Participants as defined in Sections 2(i) to 2(iv) (PP/PNIP with SP or AP)		
Seeds / SuperSeeds: Primary Publications that explicitly acknowledge current MRSEC support		
Seeds / SuperSeeds: Partial Publications that explicitly acknowledge current MRSEC support		
Seeds / SuperSeeds: Number of Primary and Partial Publications that explicitly acknowledge current MRSEC support co-authored by 2 or more Primary participants as included in Sections 2(i) and 2(ii) only		
Shared Facilities: Number of Publications that used the MRSEC Shared Facilities (SF) and explicitly acknowledge the SF support by the current MRSEC award		
Patents		
Awarded		
Pending		
Licensed		

please include them in the Optional Notes box on this spreadsheet.

Reporting Period:

	Terminal Masters Students Graduated		Ph.D. Stude
<i>Next position</i>	<i>Number in Current Year</i>	<i>Cumulative Totals for this Award</i>	<i>Number in Current Year</i>
Academic Inst.			
National Labs			
Industry			
Non-science			
No data/no job			
Total			

nts Graduated	Post-doctors Completed Study	
<i>Cumulative Totals for this Award</i>	<i>Number in Current Year</i>	<i>Cumulative Totals for this Award</i>

APPENDIX E: Output

Numerical data on Publications, Patents, and Post-doctoral Fellowships for MRSEC graduates. Only publications with explicit acknowledgement of MRSEC may be included. PP= Primary Participant; PNIP= Primary National Lab or Institutional Participant; SP= Secondary Participant; A= Affiliated Participant.

patients and
families with
PIC support
participant;
international
participant; AP=

Please enter only numbers below. Do not enter any text or other symbols. If you have any comments, **COLLABORATIONS** **MRSEC:**

Designation	Numbers
Extramural Collaborators (excluding MRSEC participants)	
Academic Institutions	
Academic collaborators (individuals)	
National Labs	
National Lab collaborators (individuals)	
Industry (# of companies)	
Industry collaborators (# of individuals)	
Users of Shared Facilities (excluding MRSEC participants; including those supported by MRFN - the Materials Research Facilities Network)	
Academic Institutions	
Academic collaborators (individuals)	
National Labs	
National Lab collaborators (individuals)	
Industry (# of companies)	
Industry collaborators (# of individuals)	
Users of Shared Facilities who are supported by MRFN	
Academic Institutions	
Academic collaborators (individuals)	
National Labs	
National Lab collaborators (individuals)	
Industry (# of companies)	
Industry collaborators (# of individuals)	

please include them in the Optional Notes box on this spreadsheet.

Reporting Period:

APPENDIX F : Collaborations - see definitions in Section 3
of Reporting Guidelines.

Please enter only numbers below. Do not enter any text or other symbols. If you have any comments, please

MRSEC SUPPORT MRSEC:

<i>Designation</i>	<i>\$K Current, closing award period</i>	<i>% of total budget</i>	<i>\$K requested, next, award period</i>
IRG 1			
IRG 2			
IRG 3			
Total: IRGs			
Seeds and Emerging Areas			
Total Research: IRGs + Seeds			
Education Activities and Human Resources			
Knowledge Transfer (industry and others)			
Shared Experimental and Computational Facilities			
MRSEC Administration			
Total		100	
Shared equipment facilities			
Other equipment			
Total equipment			
SEF Technical staff supported by Center			

ie include them in the Optional Notes box on this spreadsheet.

Reporting Period:

% of total budget
100

APPENDIX G: NSF MRSEC support by IRG and other activities for both the current (closing) and the requested (continuation) award period.

Note: For each entry in the Table, include indirect costs. Subtotals for Research, Education Activities and Human Resources, Outreach and Knowledge Transfer, Shared Equipment and Computational Facilities, and Administration should be the same as those reported in the breakout budget Excel Spreadsheet. Include major capital equipment under shared experimental facilities. Support for graduate students should normally be included under research, not under education and human resources.

Please enter only numbers below. Do not enter any text or other symbols. If you have any comments, please
MRSEC Leveraged SUPPORT: current (closing) award period MRSEC:

Designation	NSF MRSEC \$K (Same as in Appendix G)	Cost contributions \$K (Same as in Appendix D)	Total all sources of Support \$K (sum of 2 columns)
IRG 1			
IRG 2			
IRG 3			
Total IRGs			
Seeds and Emerging Areas			
Total Research: IRGs + Seeds			
Education Activities and Human Resources			
Knowledge Transfer (industry and others)			
Shared Experimental and Computational Facilities			
MRSEC Administration			
Total			
Shared facilities equipment			
Other equipment			
Total equipment			
SEF Technical staff supported by Center			

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numbers
with thos

include them in the Optional Notes box on this spreadsheet.

Reporting Period:

X H: Additional support that leverages NSF support and how this additional support is shared by the Center on an annual basis (Total MRSEC support). This additional support consists of cost categories as defined in Appendix D. The values provided in this table should be consistent with the values in appendices D and G.

APPENDIX I: Partnering Institutions

MRSEC:

Designation	Total	Receives Financial Support <i>from</i> MRSEC	Contributes financial support <i>to</i> the MRSEC	
Total Number Academic Partners				
Total Number Non-academic Partners				

Designation	Name of Institution	Receives Financial Support <i>from</i> MRSEC	Contributes financial support <i>to</i> the MRSEC	
I. Academic Partnering Institutions				
II. Non-academic Partnering Institutions				

Reporting Period:

	National Lab/other Gov't Partner	Industry Partner	Museum Partner	International Partner

	National Lab/other Gov't Partner	Industry Partner	Museum Partner	International Partner

APPENDIX I: Partnering Institutions

Many MRSECs have associations v
as with other types of research, e
may or may not involve financi
Partnerships generally imply sig
activities of the MRSEC. DO NOT II

The table distinguishes between p
institutions. Academic partners ge
K-12 institutions are not include
education outreach activities of
industry, National Laboratories c
institutions, Museums, etc.

Place an "X" wherever

with a number of universities in the US and abroad, as well as education, and industrial organizations. These partnerships are formal arrangements between the MRSEC and the partner. **Significant** participation in the planning and execution of MRSEC activities. **EXCLUDE ONE-ON-ONE COLLABORATIONS.**

Partnerships with academic institutions and non-academic institutions generally include domestic and foreign universities/colleges. Include in this list unless they have significant input into the Center. Non-academic partners include those from other federal government agencies, State supported

If applicable, leave other boxes blank

APPENDIX J: SEEDS (Cumulative)

Title of Seed Projects			Expect:	
	Date started (mm/yy)	Date ended (mm/yy)	Integrate into IRG	Nucleate new IRG
Totals				

ation(s)		Outcomes				
Bring new faculty into the Center	Other (Specify)	Integrated into IRG	Nucleated new IRG	Attracted external funds	Discontinued	Other (Specify)

APPENDIX J: SEEDS

The NSF seeks to sup
Seed program shoul
projects.

Please list the title
current award. Indi
of award, the resul
work can be categor
add a footnote desc
same as those listed

(Cumulative)

ppport transformative research. The MRSEC
d in particular pursue high impact, high risk

s of all Seed projects since the start of the
cate the expectations for the seed at the time
t of this investment, and whether or not the
orized as transformative. If transformative,
cribing why. Make sure that the titles are the
l in Section 5.

Appendix K: Start-ups (Cumulative)

Company Name	Year Established	Number/Name of IRG or SEED where research originated	Estimated Number of Employees	City, State, Zip

Website

Appendix K: Start-ups (Cumulative)

Please list the name of all start-up companies based on MRSEC research from this and previous MRSEC, MRL, and MRG award periods.