



Question 1: Types of science and engineering (S&E) research space

1. Please indicate whether or not your institution had each type of S&E research space listed below at the end of your FY 2019. See Question 2 for the definition of research space and fields of S&E.

Types of S&E research space		Did your institution have this type of S&E research space at end of FY 2019?		
		(Mark one for each row.)		
		Yes	No	Uncertain
a.	Laboratories, wet or dry, including computer laboratories, behavior observation laboratories, etc.	☒	☐	☐
b.	Laboratory support space, including autoclave rooms, darkrooms, equipment areas, storage areas for research equipment and supplies, etc.	☒	☐	☐
c.	Instructional laboratories that are also used for research	☒	☐	☐
Types of S&E research space		Yes	No	Uncertain
d.	Core laboratories that serve other laboratories	☒	☐	☐
e.	Leased space that is used for research	☒	☐	☐
f.	Offices, to the extent they are used for research	☒	☐	☐
Types of S&E research space		Yes	No	Uncertain
g.	Space used for research containing nonfixed equipment costing \$1 million or more each, such as MRIs	☒	☐	☐
h.	Research space in a medical school that awards the M.D. or D.O. degree	☒	☐	☐
Reminder: Please see Web Survey Instructions for confidentiality of this item.				
i.	Research animal space	☒	☐	☐
Laboratories and associated support areas used for research animals that are subject to local, state, and federal government policies and regulations concerning humane care and use of animals. Examples include procedure rooms, holding rooms, recovery rooms, animal production colonies, and storage areas. Space for housing research animals and associated maintenance areas that are subject to local, state, and federal government policies and regulations concerning humane care and use of animals. Examples include animal quarters, cage washing rooms, feed storage areas, isolation rooms, and exercise rooms.				
j.	Research space that is used for clinical trials	☒	☐	☐

Question 2: Amount of research space

2. At the end of your FY 2019, how much net assignable square feet was used for research for each of the fields of science and engineering (S&E) below? Please include any research animal space in the relevant fields of S&E.

You may provide estimates if you do not have exact figures.

Research space is equivalent to functional category 2 (Research) for facilities inventory systems based on the U.S. Department of Education Facilities Inventory and Classification Manual (FICM classification), the Western Interstate Commission for Higher Education (WICHE classification), and the National Association of College and University Business Officers (NACUBO classification).

[For definition of research space, click here.](#)

[Click here to hide definitions.](#)

Research animal space includes all departmental and central facilities, such as laboratories, housing, and associated support areas, that are subject to local, state, and federal government policies and regulations concerning humane care and use of laboratory animals. See [Question 1i](#)

If research space was shared among fields or used for other purposes in addition to research, report the portion of space used for research for each field below. For example, if two fields shared the space equally, report half of the space in one field and half in the other. Or, if an area was used for research one-fourth of the time and for other purposes the rest of the time, report one-fourth of the space as research space.

Field of S&E (Broad-level disciplines for each field of S&E are listed below. [Click here to see more detailed examples for each discipline \(PDF - 1MB\)](#))
(Include research animal space.)

Net assignable square feet of research space at end of FY 2019

a. Agricultural sciences

Agricultural business and management	International agriculture
Agricultural economics	Plant pathology and phytopathology, agricultural
Agricultural production operations	Plant sciences
Animal sciences	Soil sciences
Applied horticulture and horticultural business services	Agricultural sciences, other
Food science and technology	

NASF

☒ Check this box if no research space in this field at the end of FY 2019

b. Biological and biomedical sciences

Anatomical sciences	Microbiological sciences
Animal biology	Molecular biology
Biochemistry	Molecular medicine
Bioinformatics	Neurobiology
Biomathematics	Neuroscience
Biophysics	Pathology
Biotechnology	Pharmacology
Botany	Physiology
Cell biology	Plant biology
Cellular biology	Plant pathology and phytopathology, biological sciences
Computational biology	Population biology
Ecology	Toxicology
Epidemiology	Zoology
Genetics	Biological and biomedical sciences, other
Immunology	

NASF

☐ Check this box if no research space in this field at the end of FY 2019

c. Computer and information sciences

Computer and information technology administration and management	Computer systems networking and telecommunications
Computer science	Data processing
Computer software and media applications	Information science, studies
Computer systems analysis	Computer and information sciences, other

NASF

☒ Check this box if no research space in this field at the end of FY 2019

d. Engineering

Aeronautical engineering	Environmental health engineering
Aerospace engineering	Forest engineering
Agricultural engineering	Industrial engineering
Astronautical engineering	Manufacturing engineering
Automation engineering	Marine engineering
Bioengineering	Materials engineering
Biomedical engineering	Mechanical engineering
Chemical engineering	Mechatronics
Civil engineering	Medical engineering
Communications engineering	Metallurgical engineering
Computer engineering	

NASF

☐ Check this box if no research space in this field at the end of FY 2019

Electrical engineering
Electronic engineering
Engineering chemistry
Engineering design
Engineering mechanics
Engineering physics
Engineering science
Environmental engineering

Nanotechnology
Naval architecture
Nuclear engineering
Ocean engineering
Operations research
Paper science
Petroleum engineering
Robotics
Engineering, other

e. Geosciences, atmospheric sciences, and ocean sciences

Atmospheric science
Biological oceanography
Earth sciences
Geological sciences
Marine sciences

Meteorology
Ocean sciences
Physical geography
Geosciences, atmospheric
sciences,
and ocean sciences, other

332,438 NASF

☐ Check this box if no research
space in this field at the end of
FY 2019

f. Health sciences

Advanced, graduate dentistry
and oral sciences
Allied health and medical
assisting services
Bioethics, medical ethics
Clinical laboratory
science/research
and allied professions
Clinical medicine research
Clinical nursing
Communication disorders
sciences and services
Dentistry
Gerontology, health sciences
Health and medical
administrative services
Health, medical preparatory
programs
Kinesiology and exercise
science
Medical clinical sciences
Medical illustration
Medical informatics
Medical laboratory
science/research
and allied professions
Medicine

Nursing administration
Nursing research
Optometry
Oral sciences
Osteopathic medicine
Osteopathy
Pharmaceutical administration
Pharmaceutical sciences
Pharmacy
Podiatric medicine
Podiatry
Public health
Radiological science
Registered nursing
Rehabilitation and therapeutic
professions
Veterinary biomedical
and clinical sciences
Veterinary medicine
Health sciences, other

857,936 NASF

☐ Check this box if no research
space in this field at the end of
FY 2019

g. Mathematics and statistics

Applied mathematics
Mathematics

Statistics
Mathematics and statistics, other

16,535 NASF

☐ Check this box if no research
space in this field at the end of
FY 2019

h. Natural resources and conservation

Environmental science or studies
Fishing and fisheries sciences
and management
Forestry
Natural resource economics
Natural resources conservation
and research

Natural resources management
and policy
Wildlife and wildlands science
and management
Natural resources and
conservation, other

NASF

☒ Check this box if no research
space in this field at the end of
FY 2019

i. Physical sciences

Astronomy
Astrophysics
Chemistry

Materials science
Physics
Physical sciences, other

284,817 NASF

☐ Check this box if no research
space in this field at the end of
FY 2019

j. Psychology

Applied psychology
Clinical psychology
Counseling psychology

Research and experimental
psychology
Psychology, other

59,022 NASF

☐ Check this box if no research
space in this field at the end of
FY 2019

k. Social sciences

Anthropology
Archeology
Criminology
Demography

National security studies
Political science and government
Population studies
Public policy

133,080 NASF

☐ Check this box if no research
space in this field at the end of

Economics
Geography and cartography
Gerontology, social sciences
International relations

Sociology
Urban studies, affairs
Social sciences, other

FY 2019

I. Other field of S&E

Use this category when multidisciplinary, interdisciplinary, or other aspects make classification under one primary S&E field impossible. If you are unsure where to report a discipline, [click here to see more detailed examples for each discipline](#).

[Click here to see Definition of S&E research and research space](#).

(Please describe.)

Campus Machine Shop, Animal Care Program, ORU Core Services

450,257 NASF

☐ Check this box if no research space in this field at the end of FY 2019

[Click here to calculate the total NASF you reported for this question.](#)

3,109,256 NASF

Question 3: Research animal space

Reminder: Please see [Web Survey Instructions](#) for confidentiality of this item.

3. At the end of your FY 2019, how much of the research NASF reported in [Question 2](#) was used for research animals?

Research animal space includes all departmental and central facilities, such as laboratories, housing, and associated support areas, that are subject to local, state, and federal government policies and regulations concerning humane care and use of laboratory animals.

Research animal portion of the space included in [Question 2](#) (If none, enter 0.) NASF

Question 4: Clinical trial research space

4. At the end of your FY 2019, how much of the research NASF reported in [Question 2](#) was used for clinical trials?

Clinical trial portion of the space included in [Question 2](#) (If none, enter 0.) NASF

Question 5: Research space in medical school

5. **If your institution had a medical school**, how much of the research NASF reported in [Question 2](#) was located in the medical school at the end of your FY 2019?

Medical school is a school that awards the M.D. or D.O. degree.

If your institution did **not** have a medical school, check this box and click **Save**. ☐

Medical school portion of the space included in [Question 2](#) (If none, enter 0.) NASF

Question 6: Shared research space

6. For each field of S&E below, please indicate whether any of the space in Question 2 was (1) shared with any other field(s); and (2) used for purposes other than research (e.g., instruction) at the end of your FY 2019.

In Question 2, the instructions indicate "If research space was shared among fields or used for other purposes in addition to research, report the portion of space used for research for each field." If you pro-rated the NASF in Question 2 according to these instructions, you should answer "yes" in column 1 and/or column 2 in the field(s) below that were pro-rated due to shared space.

For Field of S&E definitions, see [Question 2](#).

Field of S&E (Include research animal space.)	Check this box if no research space in this field	(1) Was the space in Question 2 shared with any other field(s)?		(2) Was the space in Question 2 used for purposes other than research?	
		Yes	No	Yes	No
a. Agricultural sciences	☒	☐	☐	☐	☐
b. Biological and biomedical sciences	☐	☐	☐	☐	☐
c. Computer and information sciences	☒	☐	☐	☐	☐
d. Engineering	☐	☐	☐	☐	☐
e. Geosciences, atmospheric sciences, and ocean sciences	☐	☐	☐	☐	☐
f. Health sciences	☐	☐	☐	☐	☐
g. Mathematics and statistics	☐	☐	☐	☐	☐
h. Natural resources and conservation	☒	☐	☐	☐	☐
i. Physical sciences	☐	☐	☐	☐	☐
j. Psychology	☐	☐	☐	☐	☐
k. Social sciences	☐	☐	☐	☐	☐
l. Other field of S&E	☐	☐	☐	☐	☐

Question 7: Condition of research space

Reminder: Please see [Web Survey Instructions](#) for confidentiality of this item.

7. At the end of your FY 2019, what percentage of the research NASF reported in [Question 2](#) fell into each of the four condition categories below? Include research animal space.

[Click here to hide definitions.](#)

Superior condition	Suitable for the most scientifically competitive research in this field over the next 2 years (your FY 2020 and FY 2021)
Satisfactory condition	Suitable for continued use over the next 2 years (your FY 2020 and FY 2021) for most levels of research in this field, but may require minor repairs or renovation
Requires renovation	Will no longer be suitable for current research without undergoing major renovation within the next 2 years (your FY 2020 and FY 2021)
Requires replacement	Should stop using space for current research within the next 2 years (your FY 2020 and FY 2021)

For Field of S&E definitions, see [Question 2](#).

Field of S&E (Include research animal space.)	Check this box if no research space in this field	Percent of net assignable square feet (The percentages should sum to 100 within each row.)				Total
		Superior condition	Satisfactory condition	Requires renovation	Requires replacement	
a. Agricultural sciences	☒	%	%	%	%	%
b. Biological and biomedical sciences	☐	2 %	60 %	38 %	0 %	100 %
c. Computer and information sciences	☒	%	%	%	%	0 %
d. Engineering	☐	0 %	94 %	6 %	0 %	100 %
e. Geosciences, atmospheric sciences, and ocean sciences	☐	0 %	67 %	33 %	0 %	100 %
f. Health sciences	☐	12 %	64 %	24 %	%	100 %
g. Mathematics and statistics	☐	%	100 %	%	%	100 %
h. Natural resources and conservation	☒	%	%	%	%	%
i. Physical sciences	☐	%	61 %	39 %	%	100 %
j. Psychology	☐	%	100 %	%	%	100 %
k. Social sciences	☐	0 %	92 %	8 %	0 %	100 %
l. Other field of S&E	☐	8 %	64 %	26 %	2 %	100 %

Question 8: Repairs and renovations started in FY 2018 and FY 2019

8. Please provide the completion costs for repair and renovation of S&E research facilities that started during your FY 2018 or FY 2019. Include research animal space in the relevant fields of S&E. Include only projects whose prorated cost was estimated to be \$250,000 or more for at least one field of S&E listed below. For **multi-year projects**, report the entire completion cost even if some work will occur in future years.

[Click here to hide definitions.](#)

Start date is the date on which the physical work of the repairs or renovations actually began.

Repairs and renovations are activities such as fixing up facilities in deteriorated condition, capital improvements on facilities, conversion of facilities, and the building out of shell space. Include any repairs or renovations to existing space that are performed in combination with new construction projects. **Do not** report building additions since they are reported in this survey under new construction.

Completion costs include planning, site preparation, construction, fixed equipment, nonfixed equipment that costs \$1 million or more, and building infrastructure such as plumbing, lighting, air exchange, and safety systems either in the building or within 5 feet of the building foundation.

If research facilities are shared by two or more fields, allocate the appropriate share of the costs to each field in order to determine which fields to report. For example, if a field will have one-fourth of the costs for a \$300,000 project, do **not** report that field's share, which is \$75,000. If a \$400,000 project will have two fields with the same costs, do **not** report either field's portion, which is \$200,000 each.

If research facilities are also used for nonresearch activities, report the S&E research portion of the costs for the fields listed below if the research portion is \$250,000 or more. For example, if a facility is used for S&E research one-fourth of the time and for instruction the rest of the time, report one-fourth of the completion costs for S&E research facilities.

For Field of S&E definitions, see [Question 2](#).

If your institution had no repair or renovation projects, check this box, click **Save**, and go to Question 10. ☐

Field of S&E

(Include costs for research animal space.)

Completion costs for projects started in FY 2018 or FY 2019

a. Agricultural sciences	\$ 0
b. Biological and biomedical sciences	\$ 27,414,831
c. Computer and information sciences	\$ 0
d. Engineering	\$ 1,652,000
e. Geosciences, atmospheric sciences, and ocean sciences	\$ 52,396,995
f. Health sciences	\$ 61,560,754
g. Mathematics and statistics	\$ 1,010,301
h. Natural resources and conservation	\$ 0
i. Physical sciences	\$ 13,509,563
j. Psychology	\$ 0
k. Social sciences	\$ 0
l. Other field of S&E	\$ 819,796

(Please describe.)

Prorated costs from three projects affecting Animal Care and or Research Shop aspects of three research-intensive buildings. The remaining costs are prorated into the appropriate NSF disciplines, above. The projects mostly improve research infrastructure such as emergency power and air handling.

[Click here to calculate the total cost you reported for this question.](#)

\$

Question 9: For medical schools only: repairs and renovations in FY 2018 and FY 2019

9. **If your institution had a medical school**, how much of the completion costs for repair and renovation of research facilities as reported in [Question 8](#) was located in the medical school?

Medical school is a school that awards the M.D. or D.O. degree.

If your institution did **not** have a medical school, check this box and click **Save**. ☐

Medical school portion of the costs included in [Question 8](#) (If none, enter 0.)

\$

Question 10: New construction started in FY 2018 and FY 2019

10. Please provide the total number of new construction projects that included S&E research facilities that started during your FY 2018 or FY 2019. Include only projects whose prorated cost was estimated to be \$250,000 or more for at least one field of S&E. Include research animal space in the relevant fields of S&E.

[Click here to hide definitions.](#)

New construction is the construction of a new building or additions to an existing building.

Research facilities are defined in the [definition of research space](#).

Project start date is defined as the first placement of permanent construction of a building or addition on site, such as the pouring of a slab or footing, the installation of piles, the construction of columns or any work beyond the stage of excavation. When determining project start date, please exclude planning, demolition, or other site preparation work.

Completion costs include planning, site preparation, construction, fixed equipment, nonfixed equipment that costs \$1 million or more, and building infrastructure such as plumbing, lighting, air exchange, and safety systems either in the building or within 5 feet of the building foundation. Include such costs whether they occur before or after the project start date.

If facilities are shared for research and nonresearch activities, report only projects with completion costs of \$250,000 or more for at least one field of S&E research. For example, if a \$300,000 project involves space used for research only one-fourth of the time, this project of \$75,000 for the research facilities should not be reported.

If facilities are shared by two or more fields of S&E, report the new construction project only if at least one field of S&E research has completion costs of \$250,000 or more. For example, if two fields share the costs equally for a research project costing \$400,000, neither field's share of \$200,000 meets the cost minimum.

If your institution had no new construction projects, check this box and click **Save**. ☐

If your institution had one or more new construction projects, enter the number of projects here and fill out a separate Individual Project Form for each one.

A link to a blank Project Form will appear on the List of Survey Questions after you have responded to this question.

CSC Environmental Management Facility Expansion - Individual Project Form for Question 10

Please complete this form for **each** new construction project that started during your FY 2018 or FY 2019. Include only projects that will cost \$250,000 or more for at least one of the S&E fields.

10A. What is the name of this project?

CSC Environmental Management Facility Expansion

10B. During which of your fiscal years did the physical work of new construction begin for this project?

Project start date is defined as the first placement of permanent construction of a building or addition on site, such as the pouring of a slab or footing, the installation of piles, the construction of columns or any work beyond the stage of excavation. When determining project start date, please exclude planning, demolition, or other site preparation work.

FY 2018

FY 2019

10C. When this project is completed, what is (a) the entire project's (research and nonresearch) gross square feet; (b) the entire project's net assignable square feet; and (c) the S&E research facilities portion in net assignable square feet?

For multi-year projects, report the space expected when the project is completed.

a. Gross square feet (GSF) for entire project (research and nonresearch) 5,400 GSF

Gross square feet (GSF) is the floor area of a structure within the outside faces of the exterior walls.

b. Net assignable square feet (NASF) for entire project (research and nonresearch) 5,180 NASF

Net assignable square feet (NASF) is the sum of all areas on all floors of a building assigned to, or available to be assigned to, an occupant for a specific use, such as research or instruction. NASF is measured from the inside faces of walls.

NOTE: If the entire project is S&E research, the answers for row b and row c will be the same.

c. Net assignable square feet for **S&E research facilities** portion 5,180 NASF

Research facilities are defined in the [definition of research space](#), including examples of what areas to include and exclude.

If the research facilities are also used for nonresearch activities, adjust the amount of space based on the amount of time the area is used for S&E research. For example, if an area is used for S&E research one-fourth of the time and for instruction the rest of the time, report one-fourth of the space as S&E research facilities.

10D. When this project is completed, what are the completion costs for (a) the entire project (research and nonresearch), and (b) the S&E research facilities portion of the project? **For multi-year projects**, report the costs expected when the project is completed.

Completion costs include planning, site preparation, construction, fixed equipment, nonfixed equipment that costs \$1 million or more, and building infrastructure such as plumbing, lighting, air exchange, and safety systems either in the building or within 5 feet of the building foundation. Include such costs whether they occur before or after the project start date in Question 10B.

a. Completion costs for the GSF of the *entire project* (research and nonresearch) \$ 3,689,000

b. Completion costs for the **S&E research facilities** portion (see [definition of research](#)) \$ 3,689,000

If the research facilities are also used for nonresearch activities, adjust the completion costs based on the amount of time the facilities are used for S&E research. For example, if a facility is used for S&E research one-fourth of the time and for instruction the rest of the time, report one-fourth of the completion costs for S&E research facilities.

10E. For the portion of this project used for **S&E research facilities**, what are (1) the completion costs, and (2) the net assignable square feet, for each field listed below? **For multi-year projects**, report costs and NASF expected when the project is completed.

Report only fields with costs of \$250,000 or more for research facilities.

If research facilities are shared by two or more fields, allocate the appropriate share of the costs to each field in order to determine which fields to report. For example, if a field will have one-fourth of the costs for a \$300,000 project, do **not** report that field's share, which is \$75,000. If a \$400,000 project will have two fields with the same costs, do **not** report either field's portion, which is \$200,000 each.

If research facilities are also used for nonresearch activities, report the S&E research portion of the cost and net assignable square feet for the fields listed below if the research portion is \$250,000 or more. For example, if a facility will be used for S&E research one-fourth of the time and for instruction the rest of the time, report one-fourth of the completion costs for S&E research facilities.

For Field of S&E definitions, see [Question 2](#) or place your cursor on a field name shown below.

Research facilities

Field of S&E*(Include research animal space.)*

(1)

Completion costs

(2)

Net assignable square feet

a. Agricultural sciences\$ NASF**b. Biological and biomedical sciences**\$ NASF**c. Computer and information sciences**\$ NASF**d. Engineering**\$ NASF**e. Geosciences, atmospheric sciences, and ocean sciences**\$ NASF**f. Health sciences**\$ NASF**g. Mathematics and statistics**\$ NASF**h. Natural resources and conservation**\$ NASF**i. Physical sciences**\$ NASF**j. Psychology**\$ NASF**k. Social sciences**\$ NASF**l. Other field of S&E** *(Please describe.)*\$ NASF

Click here to calculate the total costs and NASF that you reported for this question.

\$ NASFReminder: Please see [Web Survey Instructions](#) for confidentiality of this item.10F. How much of the completion costs and NASF reported in [Question 10E](#) are for **research animal space**?**Research animal space** includes all departmental and central facilities, such as laboratories, housing, and associated support areas, that are subject to local, state, and federal government policies and regulations concerning humane care and use of laboratory animals.**Completion costs****Net assignable square feet**Research animal portion included in [Question 10E](#) *(If none, enter 0.)*\$ NASF10G. **If your institution has a medical school**, how much of the completion costs and NASF reported in [Question 10E](#) are for research facilities located in the medical school?**Medical school** is a school that awards the M.D. or D.O. degree.If your institution does **not** have a medical school, check this box and click **Save**. ☐**Completion costs****Net assignable square feet**Medical school portion included in [Question 10E](#) *(If none, enter 0.)*\$ NASF*If you have any questions about which projects to report or how to fill out the Individual Project Form, please contact the Facilities Survey Help Desk.*

Question 11: Sources of project funding

11. Please provide the completion costs by source of funding for repair and renovation and new construction of S&E research facilities that started during your FY 2018 or FY 2019 as reported in [Question 8](#) and Question 10E.

Total costs reported in column 1 should match the sum of the costs for repair and renovation of research facilities reported in [Question 8](#).

Total costs reported in column 2 should match the sum of the costs for new construction as reported in Question 10E on all Individual Project Form(s).

Source of funding	Completion costs	
	(1) For repairs and renovations reported in Question 8	(2) For new construction reported in Question 10E (all project forms)
a. Federal government	\$	\$
b. State or local government	\$	\$
c. Institutional funds and other sources Examples: operating funds, endowments, tax-exempt bonds and other debt financing, indirect costs recovered from federal grants/contracts, private donations, other sources	\$ 158,364,240	\$ 3,689,000
Total:	\$ 158,364,240	\$ 3,689,000

Question 12: Planned repairs and renovations to start in FY 2020 and FY 2021

12. Please provide the estimated completion costs planned for repair and renovation of S&E research facilities that are funded **and** scheduled to start in your FY 2020 or FY 2021. Include research animal space in the relevant fields of S&E. Include only projects whose prorated cost was estimated to be \$250,000 or more for at least one field of S&E listed below. For **multi-year projects**, report the entire completion cost even if some work will occur in future years.

[Click here to hide definitions.](#)

Start date is the date on which the physical work of the repairs or renovations is scheduled to begin.

Repairs and renovations are activities such as fixing up facilities in deteriorated condition, capital improvements on facilities, conversion of facilities, and the building out of shell space. Include any repairs or renovations to existing space that are performed in combination with new construction projects. **Do not** report building additions since they are reported in this survey under new construction.

Completion costs include planning, site preparation, construction, fixed equipment, nonfixed equipment that costs \$1 million or more, and building infrastructure such as plumbing, lighting, air exchange, and safety systems either in the building or within 5 feet of the building foundation.

If research facilities are shared by two or more fields, allocate the appropriate share of the costs to each field in order to determine which fields to report. For example, if a field will have one-fourth of the costs for a \$300,000 project, do **not** report that field's share, which is \$75,000. If a \$400,000 project will have two fields with the same costs, do **not** report either field's portion, which is \$200,000 each.

If research facilities will also be used for nonresearch activities, report the S&E research portion of the costs for the fields listed below if the research portion is \$250,000 or more. For example, if a facility will be used for S&E research one-fourth of the time and for instruction the rest of the time, report one-fourth of the completion costs for S&E research facilities.

For Field of S&E definitions, see [Question 2](#).

If your institution does **not** have planned repair or renovation projects, check this box, click **Save**, and go to Question 14.

☐

Field of S&E

(Include costs for research animal space)

Completion costs for planned repair/renovation projects to start in FY 2020 or FY 2021

a. Agricultural sciences

\$

b. Biological and biomedical sciences

\$

c. Computer and information sciences

\$

d. Engineering

\$

e. Geosciences, atmospheric sciences, and ocean sciences

\$

f. Health sciences

\$

g. Mathematics and statistics

\$

h. Natural resources and conservation

\$

i. Physical sciences

\$

j. Psychology

\$

k. Social sciences

\$

l. Other field of S&E

(Please describe.)

\$

Question 13: For medical schools only: planned repairs and renovations in FY 2020 and FY 2021

13. **If your institution has a medical school**, how much of the completion costs for planned repair and renovation of research facilities as reported in [Question 12](#) will be located in the medical school?

Medical school is a school that awards the M.D. or D.O. degree.

If your institution did **not** have a medical school, check this box and click **Save**. ☐

Medical school portion of the costs included in [Question 12](#) (If none, enter 0.) \$

Question 14: Planned new construction to start in FY 2020 and FY 2021

14. Please provide the estimated completion costs and NASF for planned new construction of S&E research facilities that are funded and scheduled to start in your FY 2020 or FY 2021. Include research animal space in the relevant fields of S&E. Include only projects whose prorated cost was estimated to be \$250,000 or more for at least one field of S&E listed below. For **multi-year projects**, report the entire completion cost even if some work will occur in future years.

[Click here to hide definitions.](#)

Project start date is defined as the first placement of permanent construction of a building or addition on site, such as the pouring of a slab or footing, the installation of piles, the construction of columns or any work beyond the stage of excavation. When determining project start date, please exclude planning, demolition, or other site preparation work.

New construction is the construction of a new building or additions to an existing building.

Completion costs include planning, site preparation, construction, fixed equipment, nonfixed equipment that costs \$1 million or more, and building infrastructure such as plumbing, lighting, air exchange, and safety systems either in the building or within 5 feet of the building foundation. Include such costs whether they occur before or after the project start date.

If research facilities are shared by two or more fields, allocate the appropriate share of the costs to each field in order to determine which fields to report. For example, if a field will have one-fourth of the costs for a \$300,000 project, do **not** report that field's share, which is \$75,000. If a \$400,000 project will have two fields with the same costs, do **not** report either field's portion, which is \$200,000 each.

If research facilities are also used for nonresearch activities, report the S&E research portion of the costs and net assignable square feet for the fields listed below if the research portion is \$250,000 or more. For example, if a facility will be used for S&E research one-fourth of the time and for instruction the rest of the time, report one-fourth of the completion costs for S&E research facilities.

For Field of S&E definitions, see [Question 2](#).

If your institution does **not** have any planned new construction projects, check this box, click **Save**, ☐ and go to Question 16.

Planned new construction scheduled to start in FY 2020 or FY 2021

Field of S&E

(Include costs for research animal space.)

	Completion costs	Net assignable square feet
a. Agricultural sciences	\$	NASF
b. Biological and biomedical sciences	\$ 11,166,667	7,500 NASF
c. Computer and information sciences	\$ 11,166,667	7,500 NASF
d. Engineering	\$ 11,166,667	7,500 NASF
e. Geosciences, atmospheric sciences, and ocean sciences	\$	NASF
f. Health sciences	\$	NASF
g. Mathematics and statistics	\$	NASF
h. Natural resources and conservation	\$	NASF
i. Physical sciences	\$ 11,166,667	7,500 NASF
j. Psychology	\$ 11,166,667	7,500 NASF
k. Social sciences	\$ 11,166,667	7,500 NASF
l. Other field of S&E	\$	NASF

(Please describe.)

Question 15: For medical schools only: planned new construction in FY 2020 and FY 2021

15. **If your institution has a medical school**, how much of the completion costs and NASF for the planned new construction of research facilities as reported in [Question 14](#) will be located in the medical school?

Medical school is a school that awards the M.D. or D.O. degree.

If your institution does **not** have a medical school, check this box and click **Save**.

☐

Completion costs

**Net assignable square
feet**

Medical school portion included in [Question 14](#) (If none, enter 0.)

\$

NASF

Question 16: Deferred repairs and renovations

16. Please provide the estimated costs for any **deferred repair and renovation** projects of S&E research facilities that are needed for current research program commitments, but are not yet funded **and** not yet scheduled to start in your FY 2020 or FY 2021. Include research animal space in the relevant fields of S&E. Include only projects whose prorated cost was estimated to be \$250,000 or more for at least one field of S&E listed below. Please estimate costs separately for projects included in your approved institutional plan and projects not included in this plan. Institutional plans usually will include goals, strategies, and budgets for fulfilling your institution's mission during a specific time period.

[Click here to hide definitions.](#)

Deferred projects are those that: (1) are not funded, and (2) are not scheduled for FY 2020 or FY 2021. Do not include projects planned for developing new programs or expanding your current programs.

Repairs and renovations are activities such as fixing up facilities in deteriorated condition, capital improvements on facilities, conversion of facilities, and the building out of shell space. Include any repairs or renovations to existing space that are performed in combination with new construction projects. **Do not** report building additions since they are reported in this survey under new construction.

Current research program commitments include current faculty and staff or those to whom offers have been made or grants awarded (whether or not research has actually begun) and programs which have been approved.

If research facilities will be shared by two or more fields, allocate the appropriate share of the costs to each field in order to determine which fields to report. For example, if a field will have one-fourth of the costs for a \$300,000 project, do **not** report that field's share, which is \$75,000. If a \$400,000 project will have two fields with the same costs, do **not** report either field's portion, which is \$200,000 each.

If research facilities will also be used for nonresearch activities, report the S&E research portion of the costs for the fields listed below if the research portion is \$250,000 or more. For example, if a facility will be used for S&E research one-fourth of the time and for instruction the rest of the time, report one-fourth of the completion costs for S&E research facilities.

For Field of S&E definitions, see [Question 2](#).

If your institution does **not** have any deferred projects for repair or renovation, check this box, click ☐ **Save**, and go to Question 18.

Estimated costs of deferred repairs and renovations

Field of S&E

(Include costs for research animal space.)

For projects included in your institutional plan

For projects **not** included in your institutional plan

a. Agricultural sciences

\$

\$

b. Biological and biomedical sciences

\$

\$

c. Computer and information sciences

\$

\$

d. Engineering

\$

\$

e. Geosciences, atmospheric sciences, and ocean sciences

\$

\$

f. Health sciences

\$

\$

g. Mathematics and statistics

\$

\$

h. Natural resources and conservation

\$

\$

i. Physical sciences

\$

\$

j. Psychology

\$

\$

k. Social sciences

\$

\$

l. Other field of S&E

\$

\$

(Please describe.)

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Question 17: For medical schools only: deferred repairs and renovations

17. **If your institution has a medical school**, how much of the estimated costs for deferred repair and renovation of research facilities as reported in [Question 16](#) would be located in the medical school?

Medical school is a school that awards the M.D. or D.O. degree.

If your institution does **not** have a medical school, check this box, click **Save**.☐

	For projects included in your institutional plan	For projects <i>not</i> included in your institutional plan
Medical school portion of the costs included in Question 16 (If none, enter 0.)	\$	\$ 25,133,009

Question 18: Deferred new construction

18. Please provide the estimated costs for any **deferred new construction** projects of S&E research facilities that are needed for current program commitments, but are not yet funded **and** not yet scheduled to start in your FY 2020 or FY 2021. Include research animal space in the relevant fields of S&E. Include only projects whose prorated cost was estimated to be \$250,000 or more for at least one field of S&E listed below. Please estimate costs separately for projects included in your approved institutional plan and projects not included in this plan. Institutional plans usually will include goals, strategies, and budgets for fulfilling your institution's mission during a specific time period.

[Click here to hide definitions.](#)

Deferred projects are those that: (1) are not funded, and (2) are not scheduled for FY 2020 or FY 2021. Do not include projects planned for developing new programs or expanding your current programs.

New construction is the construction of a new building or additions to an existing building.

Current research program commitments include current faculty and staff or those to whom offers have been made or grants awarded (whether or not research has actually begun) and programs which have been approved.

If research facilities will be shared by two or more fields, allocate the appropriate share of the costs to each field in order to determine which fields to report. For example, if a field will have one-fourth of the costs for a \$300,000 project, do **not** report that field's share, which is \$75,000. If a \$400,000 project will have two fields with the same costs, do **not** report either field's portion, which is \$200,000 each.

If research facilities will also be used for nonresearch activities, report the S&E research portion of the costs for the fields listed below if the research portion is \$250,000 or more. For example, if a facility will be used for S&E research one-fourth of the time and for instruction the rest of the time, report one-fourth of the completion costs for S&E research facilities.

For Field of S&E definitions, see [Question 2](#).

If your institution does **not** have deferred projects for new construction, check this box, click **Save**, ☒ and go to Question 20.

Field of S&E (Include costs for research animal space.)	Estimated costs of deferred new construction	
	For projects included in your institutional plan	For projects not included in your institutional plan
a. Agricultural sciences	\$	\$
b. Biological and biomedical sciences	\$	\$
c. Computer and information sciences	\$	\$
d. Engineering	\$	\$
e. Geosciences, atmospheric sciences, and ocean sciences	\$	\$
f. Health sciences	\$	\$
g. Mathematics and statistics	\$	\$
h. Natural resources and conservation	\$	\$
i. Physical sciences	\$	\$
j. Psychology	\$	\$
k. Social sciences	\$	\$
l. Other field of S&E (Please describe.)	\$	\$

Question 19: For medical schools only: deferred new construction

Note: You do not need to answer this question because you reported no deferred projects for new construction in [Question 18](#).

19. **If your institution has a medical school**, how much of the estimated costs for deferred new construction of research facilities as reported in [Question 18](#) would be located in the medical school?

Medical school is a school that awards the M.D. or D.O. degree.

If your institution does **not** have a medical school, check this box, click **Save**.☐

	For projects included in your institutional plan	For projects <i>not</i> included in your institutional plan
Medical school portion of the costs included in Question 18 (If none, enter 0.)	\$ 0	\$ 0

20. Additional comments

Enter any additional comments below. Please save your comment once you are finished.

Thanks very much for granting me the extension to get the data in.