

National Science Foundation

FY 2017 Survey of Science and  
Engineering Research Facilities

Your participation in this survey is voluntary. However, your institution’s response is important. The information from this survey on individual institutions can be used by your institution and other institutions for decision- and policy-making. The data also describe science and engineering research facilities at the national, regional, and state levels.

Based on information collected in the FY 2013 cycle, responding to this survey typically requires 19 hours depending on how data are maintained at your institution. If you wish to comment on the burden of completing this survey, contact Suzanne H. Plimpton, Reports Clearance Officer, NSF, via e-mail at [splimpto@nsf.gov](mailto:splimpto@nsf.gov) or call 1-703-292-7556. Or, you may write to the Office of Management and Budget, Paperwork Reduction Project (OMB Number 3145-0101), Washington, DC 20503.

Expiration date: 8/31/2018

If you have a question, please contact Diana Crudup via e-mail at [facilitiessurvey@westat.com](mailto:facilitiessurvey@westat.com) or call  
1-888-811-1838. The survey director at the National Science Foundation’s National Center for Science and Engineering Statistics is Mr. Michael Gibbons.

**Please complete and send this survey to NSF on the web (according to the instructions on page 1) or return it by mail to:**

ATTN: NSF Facilities Survey

Westat

1600 Research Boulevard

Rockville, MD 20850

Thank you for your participation.

# General information

This questionnaire is available electronically. Go to www.facilitiessurvey.org to access the survey. You will need  
to enter your institution’s ID and password.

Please report information for the **institution** named on the web survey questionnaire.

If you do not have exact figures for any part of this questionnaire, please provide estimates.

# Confidentiality

Information provided on research animal space (Questions 1 row i, 3, and 10F) and on the condition of S&E space (Question 7) will not be publicly available for individual institutions. In accordance with the National Science Foundation Act of 1950, as amended, and other applicable federal laws, your responses will not be disclosed in identifiable form to anyone other than agency employees or authorized persons. Per the Federal Cybersecurity Enhancement Act of 2015, your data are protected from cybersecurity risks through screening of the systems that transmit your data.

# Changes from previous survey cycle

* **Definition of Research** has been updated to align the definition with the NSF Higher Education R&D survey. This definition mirrors the definition provided in the Frascati Manual 2015, an international document published by the Organisation for Economic Co-operation and Development that provides guidelines for collecting and reporting data on R&D. This update is not intended to alter the definition of space to be reported.
* **Fields of science and engineering (S&E):** The disciplines of “Fishing and fisheries sciences and management” and “Forestry” have been moved from the S&E Field of Agricultural sciences to Natural resources and conservation in order to better coordinate field totals in national academic surveys.
* **Question 6:** A new question about shared research space has been added. The goal of this question is to understand whether the space reported in question 2 is shared among fields or used for other purposes in addition to research.
* **New construction project start date:** A more specific definition for start date has been provided. This is expected to make reporting of projects by fiscal year more consistent, which may help eliminate duplicate reports across cycles (Questions 10, 10B, and 14).
* **New construction completion costs:** A sentence has been added to the definition to clarify that completion costs should be reported whether they occur before or after the project start date (Questions 10, 10D, and 14).
* **A reminder note** has been added to the bottom of the “Individual Project Form for Question 10” indicating that a survey help desk is available.

# Definition of science and engineering (S&E) research and research space

Please use these definitions when answering all questions in this survey.

**Research** is all research and experimental development (R&D) activities of your institution that are separately accounted for. These R&D activities comprise creative and systematic work undertaken in order to increase the stock of knowledge—including knowledge of humankind, culture and society—and to devise new applications of available knowledge. This research can be funded by your own institution, the federal government, a state government, foundations, corporations, or other sources.

**Research space** is the net assignable square feet of space in buildings within which research activities take place.  
Research facilities are located within buildings. A **building** is a roofed structure for permanent or temporary shelter of  
persons, animals, plants, materials, or equipment. Structures should be included if they are (1) attached to a foundation,  
(2) roofed, (3) serviced by a utility, exclusive of lighting, and (4) a source of significant maintenance and repair activities.

**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.

**Science and engineering** (S&E) includes the following fields: agricultural sciences and natural resources sciences,  
biological and biomedical sciences, computer and information sciences, engineering, health and clinical sciences,  
mathematics and statistics, physical sciences, psychology, social sciences, and other science and engineering fields. See Question 2 on pages 5–7 for a detailed list of the disciplines included in each of these fields.

# Definition of science and engineering (S&E) research and research space (continued)

|  |
| --- |
| **Research space includes:**   * controlled-environment space, such as clean, cold, or white rooms * technical and laboratory support space, such as equipment areas, preparation areas, darkrooms, carpentry and machine shops, storage areas, etc. * laboratories, including computer labs, behavior observation rooms, etc. * core laboratories that serve other laboratories * laboratories and associated support areas used for research animals, including procedure rooms, bench space, animal production colonies, holding rooms, germ-free rooms, surgical facilities, recovery rooms, etc. * housing facilities for research animals and associated maintenance areas, including cage rooms, stalls, wards, isolation rooms, exercise rooms, feed storage rooms, cage-washing rooms, holding and storage areas, etc. * space for clinical trial research * offices, to the extent that they are used for research activities, including administrative activities for a specific research project * space with fixed (built-in) equipment such as fume hoods * space with nonfixed equipment costing $1 million or more each, such as MRIs * space that is leased by your institution   **Research space does not include:**   * space for the fields of law, business administration/management, humanities, history, the arts, or education * libraries, unless they are dedicated to a specific research project * animal field buildings sheltering animals that do not directly support research or that are not subject to government regulations concerning humane care and use of laboratory animals * Federally Funded Research and Development Centers (FFRDCs) * in-kind space used by your faculty, staff, or other persons but administered by other organizations, such as research facilities at non-university hospitals or Veterans Administration hospitals * space administered by your institution but leased to another organization * outdoor areas such as fish ponds or planting fields |

# 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 2017. See pages 2–3 for the definition of research space and fields of S&E.

Did your institution have this type of S&E research space at end of FY 2017?

(Mark one “X” for each row.)

#### Types of S&E research space Yes No Uncertain

1. Laboratories, wet or dry, including computer  
   laboratories, behavior observation laboratories, etc.
2. Laboratory support space, including autoclave rooms,  
   darkrooms, equipment areas, storage areas for research  
   equipment and supplies, etc.
3. Instructional laboratories that are ***also*** used for research
4. Core laboratories that serve other laboratories
5. Leased space that is used for research
6. Offices, to the extent they are used for research
7. Space used for research containing nonfixed equipment  
   costing $1 million or more each, such as MRIs
8. Research space in a medical school that awards the M.D.  
   or D.O. degree
9. Research animal space

Reminder: Please see page 1 for confidentiality of this item.

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.

1. Research space that is used for clinical trials

# Question 2: Amount of research space

2. At the end of your FY 2017, how much net assignable square feet was used for research (based on the definition  
of research space on pages 2–3) 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).

**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.  
  
***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**  *(Include research animal space.)* | | | **Net assignable square feet of research space at end of FY 2017** | | | |
| **a. Agricultural sciences** | | | | | | |
| Agricultural business and management  Agricultural economics  Agricultural production operations  Animal sciences  Applied horticulture and horticultural business services  Food science and technology | International agriculture  Plant pathology and phytopathology, agricultural  Plant sciences  Soil sciences  Agricultural sciences, other | | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_ NASF  Check this box if no research space in this field at the end of FY 2017 | | |
| **b. Biological and biomedical sciences** | | | | | | |
| Anatomical sciences  Animal biology  Biochemistry  Bioinformatics  Biomathematics  Biophysics  Biotechnology  Botany  Cell biology  Cellular biology  Computational biology  Ecology  Epidemiology  Genetics  Immunology | Microbiological sciences  Molecular biology  Molecular medicine  Neurobiology  Neuroscience  Pathology  Pharmacology  Physiology  Plant biology  Plant pathology and phytopathology, biological sciences  Population biology  Toxicology  Zoology  Biological and biomedical sciences, other | | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_ NASF  Check this box if no research space in this field at the end of FY 2017 | | |
| **c. Computer and information sciences** | | | | | | |
| Computer and information technology administration and management  Computer science  Computer software and media applications  Computer systems analysis | Computer systems networking and telecommunications  Data processing  Information science, studies  Computer and information sciences, other | | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_ NASF  Check this box if no research space in this field at the end of FY 2017 | | |
| **d. Engineering** | | | | | | |
| Aeronautical engineering  Aerospace engineering  Agricultural engineering  Astronautical engineering  Automation engineering  Bioengineering  Biomedical engineering  Chemical engineering  Civil engineering  Communications engineering  Computer engineering  Electrical engineering  Electronic engineering  Engineering chemistry  Engineering design  Engineering mechanics  Engineering physics  Engineering science  Environmental engineering | Environmental health engineering  Forest engineering  Industrial engineering  Manufacturing engineering  Marine engineering  Materials engineering  Mechanical engineering  Mechatronics  Medical engineering  Metallurgical engineering  Nanotechnology  Naval architecture  Nuclear engineering  Ocean engineering  Operations research  Paper science  Petroleum engineering  Robotics  Engineering, other | | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_ NASF  Check this box if no research space in this field at the end of FY 2017 | |
| **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 | | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_ NASF  Check this box if no research space in this field at the end of FY 2017 | |
| **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 | | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_ NASF  Check this box if no research space in this field at the end of FY 2017 | |
| **g. Mathematics and statistics** | | | | | | |
| Applied mathematics  Mathematics | Statistics  Mathematics and statistics, other | | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_ NASF  Check this box if no research space in this field at the end of FY 2017 | |

**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 2017 | |
| **i. Physical sciences** | | |
| Astronomy  Astrophysics  Chemistry | Materials science  Physics  Physical sciences, other | \_\_\_\_\_\_\_\_\_\_\_\_\_\_ NASF  Check this box if no research space in this field at the end of FY 2017 | |
| **j. Psychology** | | |
| Applied Psychology  Clinical psychology  Counseling psychology | Research and experimental psychology  Psychology, other | \_\_\_\_\_\_\_\_\_\_\_\_\_\_ NASF  Check this box if no research space in this field at the end of FY 2017 | |
| **k. Social sciences** | | |
| Anthropology  Archeology  Criminology  Demography  Economics  Geography and cartography  Gerontology, social sciences  International relations | National security studies  Political science and government  Population studies  Public policy  Sociology  Urban studies, affairs  Social sciences, other | \_\_\_\_\_\_\_\_\_\_\_\_\_\_ NASF  Check this box if no research space in this field at the end of FY 2017 | |
| **l. Other field of S&E** | | |
| Use this category when multidisciplinary, interdisciplinary, or other aspects make classification under one primary S&E field impossible. Please see pages 2–3 for the definition of S&E research and research space.  *(Please describe.)* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_ NASF  Check this box if no research space in this field at the end of FY 2017 | |

# Question 3: Research animal space

Reminder: Please see page 1 for confidentiality of this item.

3. At the end of your FY 2017, 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 2017, 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 2017?

**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 go to Question 6

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 2017.

***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.

|  |  |
| --- | --- |
| **Field of S&E**  *(Include research animal space.)* | ***Mark “X” 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 | |  |  |  |  |

For Field of S&E definitions, see Question 2 on pages 5–7.

# Question 7: Condition of research space

Reminder: Please see page 1 for confidentiality of this item.

7. At the end of your FY 2017, what percentage of the research NASF reported in Question 2 fell into each of the four condition categories below? Include research animal space.

**Superior condition** Suitable for the most scientifically competitive research in this field over the next 2 years (your FY 2018 and FY 2019)

**Satisfactory condition** Suitable for continued use over the next 2 years (your FY 2018 and FY 2019) 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 2018 and FY 2019)

**Requires replacement** Should stop using space for current research within the next 2 years (your  
FY 2018 and FY 2019)

For Field of S&E definitions, see Question 2 on pages 5–7.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Field of S&E**  *(Include research animal space.)* | ***Mark “X” if no research space in this field*** | **Percent of net assignable square feet** | | | | |
| *(The percentages should sum to 100 within each row.)* | | | | |
| Superior condition | Satisfactory condition | Requires renovation | Requires replacement | Total |
| a. Agricultural sciences | | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | 100% |
| b. Biological and biomedical sciences | | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | 100% |
| c. Computer and information sciences | | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | 100% |
| d. Engineering | | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | 100% |
| e. Geosciences, atmospheric sciences, and ocean sciences | | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | 100% |
| f. Health sciences | | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | 100% |
| g. Mathematics and statistics | | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | 100% |
| h. Natural resources and conservation | | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | 100% |
| i. Physical sciences | | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | 100% |
| j. Psychology | | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | 100% |
| k. Social sciences | | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | 100% |
| l. Other field of S&E | | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | \_\_\_\_\_\_ % | 100% |

# Question 8: Repairs and renovations started in FY 2016 and FY 2017

8. Please provide the completion costs for repair and renovation of S&E research facilities that started during your FY 2016 or FY 2017. 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.

**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.

If your institution had no repair or renovation

projects, check this box and go to Question 10

For Field of S&E definitions, see Question 2 on pages 5–7.

|  |  |
| --- | --- |
| **Field of S&E**  *(Include costs for research animal space.)* | **Completion costs for projects started in FY 2016 or FY 2017** |
| 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 9: For medical schools only: repairs and renovations in FY 2016 and FY 2017

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 go to Question 10

Medical school portion of the costs

included in Question 8 *(If none, enter “0.”)* $ \_\_\_\_\_\_\_\_\_\_\_\_\_

# Question 10: New construction started in FY 2016 and FY 2017

10. Please provide the total number of new construction projects that included S&E research facilities that started during your FY 2016 or FY 2017. 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.

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

**Research facilities** are defined on pages 2–3 of the survey questionnaire.

**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 go to Question 11

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 \_\_\_\_\_\_\_\_\_\_\_\_\_ projects

**Please make additional copies of this form as needed.**

**Individual Project Form for Question 10**

**Page 1 of 4**

Please complete this form for ***each*** new construction project that started during your FY 2016 or FY 2017. 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? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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 2016

FY 2017

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) \_\_\_\_\_\_\_\_\_\_ 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) \_\_\_\_\_\_\_\_\_\_ 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  
(defined on pages 2–3 of the survey questionnaire) \_\_\_\_\_\_\_\_\_\_ NASF

Research facilities are defined on pages 2–3 of the survey questionnaire, 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.

*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*

**Please make additional copies of this form as needed.**

**Individual Project Form for Question 10**

**Page 2 of 4**

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) $ \_\_\_\_\_\_\_\_\_\_

b. Completion costs for the ***S&E research facilities*** portion  
(defined on pages 2–3 of the survey questionnaire) $ \_\_\_\_\_\_\_\_\_\_

***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.

*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*

**Please make additional copies of this form as needed.**

**Individual Project Form for Question 10**

**Page 3 of 4**

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 on pages 5–7.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 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 | |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | |

*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.*

**Please make additional copies of this form as needed.**

**Individual Project Form for Question 10**

**Page 4 of 4**

Reminder: Please see page 1 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.”)* $ \_\_\_\_\_\_\_\_\_\_\_ | | \_\_\_\_\_\_\_\_\_\_\_ | NASF | |

10G. ***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 go to Question 11

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 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 2016 or FY 2017 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 on page 11.

***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 $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Total** $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

# Question 12: Planned repairs and renovations to start in FY 2018 and FY 2019

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 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.

**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.

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

For Field of S&E definitions, see Question 2 on pages 5–7.

|  |  |
| --- | --- |
| **Field of S&E**  *(Include costs for research animal space.)* | **Completion costs for planned repair/renovation projects to start in FY 2018 or FY 2019** |
| 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 2018 and FY 2019

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 does ***not*** have a medical

school, check this box and go to Question 14

Medical school portion of the costs

included in Question 12 *(If none, enter “0.”)* $ \_\_\_\_\_\_\_\_\_\_\_\_\_

# Question 14: Planned new construction to start in FY 2018 and FY 2019

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 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.

**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.

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

For Field of S&E definitions, see Question 2 on pages 5–7.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field of S&E**  *(Include costs for research animal space.)* | **Planned new construction scheduled to start in FY 2018 or FY 2019** | | |  |
| Completion costs | 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 | |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | |

# Question 15: For medical schools only: planned new construction in FY 2018 and FY 2019

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 go to Question 16

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **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 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. 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.

**Deferred projects** are those that: (1) are not funded, and (2) are not scheduled for FY 2018 or FY 2019. 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.

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

For Field of S&E definitions, see Question 2 on pages 5–7.

|  |  |  |
| --- | --- | --- |
| **Field of S&E**  *(Include costs for research animal space.)* | **Estimated costs of deferred repairs and renovations** | |
| 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 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 and go to Question 18

|  |  |  |  |
| --- | --- | --- | --- |
|  | **For projects** **included in your** **institutional plan** | **For projects *not*** **included in your** **institutional plan** |  |
| Medical school portion of the costs  included in Question 16 *(If none, enter “0.”)* $ \_\_\_\_\_\_\_\_\_\_\_ | | $ \_\_\_\_\_\_\_\_\_\_\_ |  |

# 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 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. 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.

**Deferred projects** are those that: (1) are not funded, and (2) are not scheduled for FY 2018 or FY 2019. 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.

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

For Field of S&E definitions, see Question 2 on pages 5–7.

|  |  |  |
| --- | --- | --- |
| **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

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 and go to Question 20

|  |  |  |  |
| --- | --- | --- | --- |
|  | **For projects** **included in your** **institutional plan** | **For projects *not*** **included in your** **institutional plan** |  |
| Medical school portion of the costs  included in Question 18 *(If none, enter “0.”)* $ \_\_\_\_\_\_\_\_\_\_\_ | | $ \_\_\_\_\_\_\_\_\_\_\_ |  |

# Question 20: Comments

20. Please add any comments below.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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***Thank you. This is the end of the survey.***