

NSF Research Facilities Survey

University of California-San Diego

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 2009. See [Question 2](#) 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 2009? | | | |
|---|----------------------------------|----------------------------------|-----------------------|
| <i>(Mark one for each row.)</i> | | | |
| Types of S&E research space | Yes | No | Uncertain |
| a. Laboratories, wet or dry, including computer laboratories, behavior observation laboratories, etc. | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| b. Laboratory support space, including autoclave rooms, darkrooms, equipment areas, storage areas for research equipment and supplies, etc. | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| c. Instructional laboratories that are <i>also</i> used for research | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> |
| Types of S&E research space | Yes | No | Uncertain |
| d. Core laboratories that serve other laboratories | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| e. Leased space that is used for research | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| f. Offices, to the extent they are used for research | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 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 | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| h. Research space in a medical school that awards the M.D. or D.O. degree | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 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. | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| j. Research space that is used for clinical trials | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> |

Question 2: Amount of research space

2. At the end of your FY 2009, 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.

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

Research space is equivalent to functional category 2 (Research) for facilities inventory systems based on the U.S. Department of Education classification (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. See [Question 1j](#)

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.

Click on the S&E Field List button above for the crosswalk of NSF fields of S&E and NCES CIP codes.

| Field of S&E (Include research animal space.) | Net assignable square feet of research space at end of FY 2009 |
|--|---|
| a. Agricultural sciences and natural resources sciences | |
| Agricultural economics Animal sciences Fishing and fisheries sciences Food science and technology Forestry Natural resources conservation and research (includes environmental science) Natural resources economics Plant sciences Soil sciences Wildlife and wildlands science | NASF <input checked="" type="checkbox"/> Check this box if no research space in this field at the end of FY 2009 |
| b. Biological and biomedical sciences | |
| Anatomical sciences Animal biology Biochemistry Bioinformatics Biology Biomathematics Biophysics Biotechnology Botany Cell biology Cellular biology Ecology Evolution Genetics Human nutrition Immunology Microbiological sciences Molecular biology Pathology Pharmacology Physiology Plant biology Population biology Toxicology Zoology Biological and biomedical sciences, other | 292,624 NASF <input type="checkbox"/> Check this box if no research space in this field at the end of FY 2009 |
| c. Computer and information sciences | |
| Computer science Computer software and media applications Computer systems networking and telecommunications Information science | 114,345 NASF <input type="checkbox"/> Check this box if no research space in this field at the end of FY 2009 |
| d. Engineering | |
| Aeronautical engineering Aerospace engineering Agricultural engineering Architectural engineering Astronautical engineering Bioengineering Biological engineering Biomedical engineering Ceramic sciences and engineering Chemical engineering Civil engineering Computer engineering, general Construction engineering Electrical, electronics and communications engineering Geophysical engineering Industrial engineering Manufacturing engineering Marine engineering Materials engineering Materials science Mechanical engineering Medical engineering Metallurgical engineering Mining and mineral engineering Naval architecture Nuclear engineering Ocean engineering Operations research Petroleum engineering Plastics engineering Polymer engineering | 353,010 NASF <input type="checkbox"/> Check this box if no research space in this field at the end of FY 2009 |

| | |
|-------------------------------------|-------------------------------------|
| Engineering mechanics | Surveying engineering |
| Engineering physics | Systems engineering |
| Engineering science | Textile sciences and engineering |
| Environmental engineering | Engineering, other |
| Environmental health engineering | |
| Forest engineering | |
| Geological engineering | |

e. Health and clinical sciences

| | | |
|--|---|--|
| Allied health diagnostic, intervention, and treatment | Optometry | 715,247 NASF |
| Clinical laboratory science | Oral sciences | |
| Communication disorders sciences | Osteopathic medicine | <input type="checkbox"/> Check this box if no research space in this field at the end of FY 2009 |
| Dentistry | Osteopathy | |
| Informatics | Pharmaceutical sciences | |
| Kinesiology and exercise science | Pharmacy | |
| Medical clinical sciences | Podiatric medicine | |
| Medical illustration | Podiatry | |
| Medical laboratory science | Public health | |
| Medicine | Rehabilitation and therapeutic subfields | |
| Nursing | Veterinary biomedical sciences | |
| | Veterinary medicine | |

f. Mathematics and statistics

| | |
|-----------------------------------|--|
| Applied mathematics | 18,270 NASF |
| Mathematics | |
| Statistics | |
| Mathematics and statistics, other | |
| | <input type="checkbox"/> Check this box if no research space in this field at the end of FY 2009 |

g. Physical sciences

| | |
|---|--|
| Group 1: Atmospheric, earth, and geological sciences; meteorology; and oceanography | 323,551 NASF |
| | <input type="checkbox"/> Check this box if no research space in this field at the end of FY 2009 |

| | |
|---|--|
| Group 2: Astronomy, astrophysics, chemistry, and physics | 272,789 NASF |
| | <input type="checkbox"/> Check this box if no research space in this field at the end of FY 2009 |

h. Psychology

| | | |
|---------------------------------------|---|--|
| Clinical child psychology | Health psychology | 52,229 NASF |
| Clinical psychology | Industrial and organizational psychology | |
| Cognitive psychology | Personality psychology | <input type="checkbox"/> Check this box if no research space in this field at the end of FY 2009 |
| Community psychology | Physiological psychology | |
| Comparative psychology | Psychobiology | |
| Counseling psychology | Psycholinguistics | |
| Developmental and child psychology | Psychometrics | |
| Educational psychology | Psychopharmacology | |
| Environmental psychology | Quantitative psychology | |
| Experimental psychology | School psychology | |
| Family psychology | Social psychology | |
| Forensic psychology | Psychology, other | |
| Geropsychology | | |

i. Social sciences

| | | |
|------------------------------------|--|--|
| Anthropology | Geography and cartography | 97,631 NASF |
| Archeology | International relations and affairs | |
| Criminalistics | Police science | <input type="checkbox"/> Check this box if no research space in this field at the end of FY 2009 |
| Criminal justice | Political science and government | |
| Criminal science | Population studies | |
| Criminology | Sociology | |
| Demography | Urban affairs | |
| Economics | Social sciences, other | |
| Forensic science and technology | | |

j. Other sciences

| | |
|---|--|
| Use this category when multidisciplinary, interdisciplinary, or other aspects make classification under one primary field impossible. | 133,176 NASF |
| | <input type="checkbox"/> Check this box if no research space in this field at the end of FY 2009 |

(Please describe.)



Question 3: Research animal space

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

3. At the end of your FY 2009, 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.) | 128,516 NASF

Question 4: Clinical trial research space

4. At the end of your FY 2009, 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 2009?

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: Condition of research space

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

6. At the end of your FY 2009, 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 2010 and FY 2011) |
| Satisfactory condition | Suitable for continued use over the next 2 years (your FY 2010 and FY 2011) 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 2010 and FY 2011) |
| Requires replacement | Should stop using space for current research within the next 2 years (your FY 2010 and FY 2011) |

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

| 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 and natural resources sciences | <input checked="" type="checkbox"/> | % | % | % | % | % |
| b. Biological and biomedical sciences | <input type="checkbox"/> | 71 % | 27 % | 2 % | 0 % | 100 % |
| c. Computer and information sciences | <input type="checkbox"/> | 0 % | 90 % | 10 % | 0 % | 100 % |
| d. Engineering | <input type="checkbox"/> | 49 % | 45 % | 6 % | % | 100 % |
| e. Health and clinical sciences | <input type="checkbox"/> | 75 % | 14 % | 9 % | 2 % | 100 % |
| f. Mathematics and statistics | <input type="checkbox"/> | 27 % | 73 % | 0 % | 0 % | 100 % |
| g. Physical sciences | | | | | | |
| Group 1: Atmospheric, earth, and geological sciences; meteorology, and oceanography | <input type="checkbox"/> | 7 % | 31 % | 53 % | 9 % | 100 % |
| Group 2: Astronomy, astrophysics, chemistry, and physics | <input type="checkbox"/> | 36 % | 54 % | 10 % | 0 % | 100 % |
| h. Psychology | <input type="checkbox"/> | 65 % | 25 % | 10 % | 0 % | 100 % |
| i. Social sciences | <input type="checkbox"/> | 25 % | 65 % | 10 % | 0 % | 100 % |
| j. Other sciences | <input type="checkbox"/> | 55 % | 41 % | 4 % | 0 % | 100 % |

Question 7: Condition of research animal space

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

7. At the end of your FY 2009, what percentage of the research animal space reported in [Question 3](#) fell into each of the four condition categories below?

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.

Superior condition Suitable for the most scientifically competitive research in this field over the next 2 years (your FY 2010 and FY 2011)

Satisfactory condition Suitable for continued use over the next 2 years (your FY 2010 and FY 2011) 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 2010 and FY 2011)

Requires replacement Should stop using space for current research within the next 2 years (your FY 2010 and FY 2011)

| | Check this box if no research animal space | Percent of net assignable square feet <i>(The percentages should sum to 100.)</i> | | | | Total |
|--|--|--|------------------------|---------------------|----------------------|-------|
| | | Superior condition | Satisfactory condition | Requires renovation | Requires replacement | |
| All space for research animals regardless of S&E field | <input type="checkbox"/> | 15 % | 80 % | 5 % | % | 100 % |

Question 8: Biosafety level of research animal facilities

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

8. For each type of animal listed below, please indicate which types of biosafety level (BL) facilities were available at your institution at the end of your FY 2009.

Biosafety Levels (BL)

All research animal facilities are BL-1 or higher, depending on the type of research performed.

BL-1 Involves working with defined and characterized strains of viable microorganisms not known to cause disease in healthy adult humans

BL-2 Involves working with the broad spectrum of indigenous moderate-risk agents present in the community and associated with human disease of varying severity

BL-3 Involves working with indigenous or exotic agents with a potential for respiratory transmission, and which may cause serious and potentially lethal infection

BL-4 Involves working with dangerous and exotic agents that pose a high individual risk of life-threatening disease, that may be transmitted via the aerosol route, and for which there is no available vaccine or therapy

If your institution did **not** have research animal facilities, check this box and click **Save**.

| Type of animal | Check this box if no facilities for this type of animal | Biosafety levels at end of FY 2009 (Check all that apply for each row.) | | | |
|---|---|--|-------------------------------------|--------------------------|--------------------------|
| | | BL-1 | BL-2 | BL-3 | BL-4 |
| Non-mammals | | | | | |
| a. Fish/Aquatic species | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Birds | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c. Amphibians | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Reptiles | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| e. Insects | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| f. Other non-mammals (Please specify.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Mammals | Check this box if no facilities for this type of animal | Biosafety levels at end of FY 2009 (Check all that apply for each row.) | | | |
|--|---|--|-------------------------------------|--------------------------|--------------------------|
| | | BL-1 | BL-2 | BL-3 | BL-4 |
| g. Rats, guinea pigs, or other rodents | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| h. Cats, dogs, or rabbits | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| i. Pigs, sheep, cattle, or goats | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| j. Non-human primates | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| k. Other mammals (Please specify.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: For additional information on biosafety levels, see the report Biosafety in Microbiological

and Biomedical Laboratories, 5th Edition, 2007, U.S. Department of Health and Human Services.

Question 9: Repairs and renovations started in FY 2008 and FY 2009

9. Please provide the completion costs for repair and renovation of S&E research facilities that started during your FY 2008 or FY 2009. 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.

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

If your institution had no repair or renovation projects, check this box, click **Save**, and go to Question 12.

| Field of S&E (Include costs for research animal space.) | Completion costs for projects started in FY 2008 or FY 2009 |
|---|---|
| a. Agricultural sciences and natural resources sciences | \$ 0 |
| b. Biological and biomedical sciences | \$ 0 |
| c. Computer and information sciences | \$ 3,740,000 |
| d. Engineering | \$ 3,781,000 |
| e. Health and clinical sciences | \$ 5,530,490 |
| f. Mathematics and statistics | \$ 610,000 |
| g. Physical sciences | |
| Group 1: Atmospheric, earth, and geological sciences: meteorology, and oceanography | \$ 0 |
| Group 2: Astronomy, astrophysics, chemistry, and physics | \$ 2,459,304 |
| h. Psychology | \$ 0 |
| i. Social sciences | \$ 0 |
| j. Other sciences (Please describe.) | \$ 0 |
| | \$ 16,120,794 |

Question 10: For research animal facilities only: repairs and renovations in FY 2008 and FY 2009

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

10. How much of the completion costs for repair and renovation of research facilities as reported in [Question 9](#) was for research animal facilities?

Research animal portion of the costs included in [Question 9](#) (If none, enter 0.) \$

Question 11: For medical schools only: repairs and renovations in FY 2008 and FY 2009

11. **If your institution had a medical school**, how much of the completion costs for repair and renovation of research facilities as reported in [Question 9](#) 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 9](#) (If none, enter 0.) \$ 5,530,490

Question 12: New construction started in FY 2008 and FY 2009

12. Please provide the total number of new construction projects that included S&E research facilities that started during your FY 2008 or FY 2009. 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 in the [definition of research space](#).

Start date is the date on which the physical work of the construction actually began.

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 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.

Question 13: Sources of project funding

13. 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 2008 or FY 2009 as reported in [Question 9](#) and Question 12E.

Total costs reported in column 1 should match the sum of the costs for repair and renovation of research facilities reported in [Question 9](#).

Total costs reported in column 2 should match the sum of the costs for new construction as reported in Question 12E on all Individual Project Form(s).

| Source of funding | Completion costs | |
|--|--|---|
| | (1) For repairs and renovations reported in Question 9 | (2) For new construction reported in Question 12E (all project forms) |
| a. Federal government | \$ 0 | \$ 0 |
| b. State or local government | \$ 0 | \$ 0 |
| 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 | \$ 16,120,794 | \$ 0 |
| Total: | \$ 16,120,794 | \$ 0 |

Question 14: Planned repairs and renovations to start in FY 2010 and FY 2011

14. 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 2010 or FY 2011. 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.

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

If your institution does **not** have planned repair or renovation projects, check this box, click **Save**, and go to Question 17.

| Field of S&E <i>(Include costs for research animal space.)</i> | Completion costs for planned repair/renovation projects to start in FY 2010 or FY 2011 |
|---|---|
| a. Agricultural sciences and natural resources sciences | \$ <input type="text" value="0"/> |
| b. Biological and biomedical sciences | \$ <input type="text"/> |
| c. Computer and information sciences | \$ <input type="text"/> |
| d. Engineering | \$ <input type="text" value="260,000"/> |
| e. Health and clinical sciences | \$ <input type="text"/> |
| f. Mathematics and statistics | \$ <input type="text"/> |
| g. Physical sciences | |
| Group 1: Atmospheric, earth, and geological sciences; meteorology; and oceanography | \$ <input type="text"/> |
| Group 2: Astronomy, astrophysics, chemistry, and physics | \$ <input type="text" value="1,669,000"/> |
| h. Psychology | \$ <input type="text"/> |
| i. Social sciences | \$ <input type="text"/> |
| j. Other sciences <i>(Please describe.)</i> | \$ <input type="text"/> |

Question 15: For research animal facilities only: planned repairs and renovations in FY 2010 and FY 2011

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

15. How much of the completion costs for planned repair and renovation of research facilities as reported in [Question 14](#) will be for research animal facilities?

Research animal portion of the costs included in [Question 14](#) (If none, enter 0.) \$ 0

Question 16: For medical schools only: planned repairs and renovations in FY 2010 and FY 2011

16. *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 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**.

Medical school portion of the costs included in [Question 14](#) (If none, enter 0.) \$

Question 17: Planned new construction to start in FY 2010 and FY 2011

17. 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 2010 and FY 2011. 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 construction is scheduled to begin.

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.

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](#) or place your cursor on a field name shown below.

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

Planned new construction scheduled to start in
FY 2010 or FY 2011

| Field of S&E (Include research animal space.) | Completion costs | Net assignable square feet | NASF |
|---|-------------------------|-------------------------------|----------------------|
| a. Agricultural sciences and natural resources sciences | \$ <input type="text"/> | <input type="text"/> | <input type="text"/> |
| b. Biological and biomedical sciences | \$ <input type="text"/> | <input type="text"/> | <input type="text"/> |
| c. Computer and information sciences | \$ <input type="text"/> | <input type="text"/> | <input type="text"/> |
| d. Engineering | \$ <input type="text"/> | <input type="text"/> | <input type="text"/> |
| e. Health and clinical sciences | \$ 238,926,000 | 226,145 | NASF |
| f. Mathematics and statistics | \$ <input type="text"/> | <input type="text"/> | <input type="text"/> |
| g. Physical sciences | | | |
| Group 1: Atmospheric, earth, and geological sciences: meteorology, and oceanography | \$ 25,933,000 | 19,498 | NASF |
| Group 2: Astronomy, astrophysics, chemistry, and physics | \$ <input type="text"/> | <input type="text"/> | <input type="text"/> |
| h. Psychology | \$ <input type="text"/> | <input type="text"/> | <input type="text"/> |
| i. Social sciences | \$ <input type="text"/> | <input type="text"/> | <input type="text"/> |
| j. Other sciences (Please describe.) | \$ <input type="text"/> | <input type="text"/> | <input type="text"/> |

Question 18: For research animal facilities only: planned new construction in FY 2010 and FY 2011

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

18. How much of the completion costs and NASF for the planned new construction of research facilities as reported in [Question 17](#) will be for research animal facilities?

| | Completion costs | Net assignable square feet |
|---|------------------|----------------------------|
| Research animal portion included in Question 17 (If none, enter 0.) | \$ 21,950,778 | 12,700 NASF |

Question 19: For medical schools only: planned new construction in FY 2010 and FY 2011

19. *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 17](#) 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 17 (If none, enter 0.) | \$ 215,926,000 | 181,145 NASF |

Question 20: Deferred repairs and renovations

20. 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 2010 or FY 2011. 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 2010 or FY 2011. 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](#) or place your cursor on a field name shown below.

If your institution does **not** have any deferred projects for repair or renovation, check this box, click **Save**, and go to Question 23.

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 and natural resources sciences | \$ 0 | \$ 0 |
| b. Biological and biomedical sciences | \$ 4,278,000 | \$ 0 |
| c. Computer and information sciences | \$ 0 | \$ 0 |
| d. Engineering | \$ 825,000 | \$ 0 |
| e. Health and clinical sciences | \$ 3,791,000 | \$ 0 |
| f. Mathematics and statistics | \$ 0 | \$ 0 |
| g. Physical sciences | | |
| Group 1: Atmospheric, earth, and geological sciences: meteorology, and oceanography | \$ 14,115,000 | \$ 0 |
| Group 2: Astronomy, astrophysics, chemistry, and physics | \$ 813,000 | \$ 0 |
| h. Psychology | \$ 5,137,000 | \$ 0 |
| i. Social sciences | \$ 0 | \$ 0 |
| j. Other sciences (Please describe.) | \$ 410,000 | \$ 0 |



Question 21: For research animal facilities only: deferred repairs and renovations

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

21. How much of the estimated costs for deferred repair and renovation of research facilities as reported in [Question 20](#) would be for research animal facilities?

| | For projects included in your institutional plan | For projects <i>not</i> included in your institutional plan |
|--|--|---|
| Research animal portion of the costs included in Question 20 (If none, enter 0.) | \$ 410,000 | \$ 0 |

Question 22: For medical schools only: deferred repairs and renovations

22. **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 20](#) 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 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 20 (If none, enter 0.) | \$ 3,791,000 | \$ |

Question 23: Deferred new construction

23. 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 2010 or FY 2011. 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 2010 or FY 2011. 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.

[Click here to see definitions and instructions.](#)

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

If your institution does **not** have deferred projects for new construction, check this box, click **Save**, and go to Question 26.

| Field of S&E <i>(Include costs for research animal space.)</i> | Estimated costs of deferred new construction | |
|---|--|---|
| | For projects included in your institutional plan | For projects <i>not</i> included in your institutional plan |
| a. Agricultural sciences and natural resources sciences | \$ _____ | \$ _____ |
| b. Biological and biomedical sciences | \$ 83,103,000 | \$ _____ |
| c. Computer and information sciences | \$ _____ | \$ _____ |
| d. Engineering | \$ _____ | \$ _____ |
| e. Health and clinical sciences | \$ _____ | \$ _____ |
| f. Mathematics and statistics | \$ _____ | \$ _____ |
| g. Physical sciences | | |
| Group 1: Atmospheric, earth, and geological sciences: meteorology, and oceanography | \$ _____ | \$ _____ |
| Group 2: Astronomy, astrophysics, chemistry, and physics | \$ 6,127,000 | \$ _____ |
| h. Psychology | \$ _____ | \$ _____ |
| i. Social sciences | \$ _____ | \$ _____ |
| j. Other sciences <i>(Please describe.)</i> | \$ _____ | \$ _____ |

Question 24: For research animal facilities only: deferred new construction

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

24. How much of the estimated costs for deferred new construction projects of research facilities as reported in [Question 23](#) would be for research animal facilities?

| | For projects included in your institutional plan | For projects <i>not</i> included in your institutional plan |
|---|---|--|
| Research animal portion of the costs included in Question 23 (If none, enter 0.) | \$ <input type="text" value="0"/> | \$ <input type="text" value="0"/> |

Question 25: For medical schools only: deferred new construction

25. **If your institution has a medical school**, how much of the estimated costs for deferred new construction of research facilities as reported in [Question 23](#) 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 click **Save**.

For projects
included in
your
institutional
plan

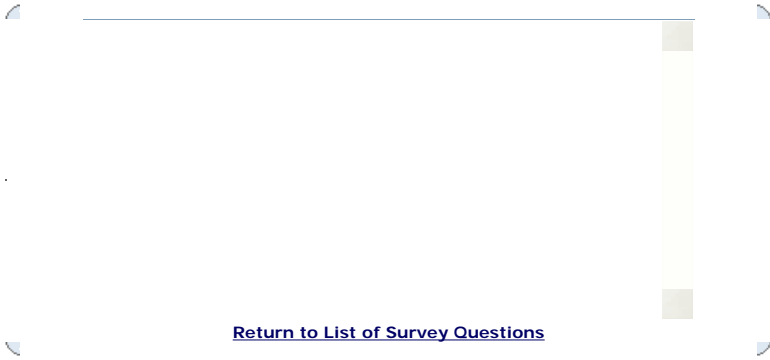
For projects
not included
in your
institutional
plan

Medical school portion of the costs included in [Question 23](#)
(If none, enter 0.)

\$

\$

Question 26: Additional comments for Part 1



[Return to List of Survey Questions](#)