

**Science
Facilities Maintenance and Repair**

The Department’s Facilities Maintenance and Repair activities are tied to its programmatic missions, goals, and objectives. The Facilities Maintenance and Repair activities funded by the budget and displayed below and are intended to ensure that the scientific community has the facilities required to conduct cutting edge scientific research now and in the future to meet Department of Energy (DOE) goals and objectives.

Costs for Direct-Funded Maintenance and Repair (including Deferred Maintenance Reduction)

(dollars in thousands)

	FY 2021 Planned Cost	FY 2021 Actual Cost	FY 2022 Planned Cost	FY 2023 Planned Cost
Brookhaven National Laboratory	4,917	5,678	5,578	4,876
Lawrence Berkeley National Laboratory	3,900	4,263	19,089	19,400
Notre Dame Radiation Laboratory	125	—	127	—
Oak Ridge Institute for Science and Education	—	213	—	—
Oak Ridge National Laboratory	19,564	33,255	28,886	30,349
Oak Ridge Office	6,673	4,755	6,410	4,188
Office of Scientific and Technical Information	421	522	397	427
SLAC National Accelerator Laboratory	3,407	6,028	3,934	4,003
Thomas Jefferson National Accelerator Facility	198	76	133	110
Total, Direct-Funded Maintenance and Repair	39,205	54,790	64,554	63,353

General purpose infrastructure includes multiprogram research laboratories, administrative and support buildings, as well as cafeterias, power plants, fire stations, utilities, roads, and other structures. Together, the Office of Science (SC) laboratories have over 1,400 operational buildings and real property trailers, with nearly 20 million gross square feet of space.

Generally, facilities maintenance and repair expenses are funded through an indirect overhead charge. In some cases, however, a laboratory may charge maintenance directly to a specific program. One example would be when maintenance is performed in a building used only by a single program. Such direct-funded charges are not directly budgeted.

Indirect-Funded Maintenance and Repair (including Deferred Maintenance Reduction)

Facilities maintenance and repair activities funded indirectly through overhead charges at SC laboratories are displayed in the table above. Since this funding is allocated to all work done at each laboratory, the cost of these activities is charged to funding from SC and other DOE organizations, as well as other Federal agencies and other entities doing work at SC laboratories. Maintenance reported to SC for non-SC laboratories is also shown. The figures are total projected costs across all SC laboratories.

Science
Costs for Indirect-Funded Maintenance and Repair (including Deferred Maintenance Reduction)

(dollars in thousands)

	FY 2021 Planned Cost	FY 2021 Actual Cost	FY 2022 Planned Cost	FY 2023 Planned Cost
Ames Laboratory	2,400	2,800	2,400	2,700
Argonne National Laboratory	46,768	46,862	51,237	49,231
Brookhaven National Laboratory	30,211	37,812	33,352	33,308
Fermi National Accelerator Laboratory	21,704	19,890	23,183	17,636
Lawrence Berkeley National Laboratory	29,749	39,833	31,051	27,886
Oak Ridge Institute for Science and Education	480	511	656	901
Oak Ridge National Laboratory and Y-12	73,830	66,402	55,925	65,419
Oak Ridge Office	1,537	1,603	2,236	2,474
Pacific Northwest National Laboratory	10,322	11,837	11,270	12,686
Princeton Plasma Physics Laboratory	6,843	6,994	6,280	7,200
SLAC National Accelerator Laboratory	14,195	19,467	14,089	18,409
Thomas Jefferson National Accelerator Facility	10,188	9,985	7,634	7,481
Total, Indirect-Funded Maintenance and Repair	248,227	263,996	239,313	245,331

Report on FY 2021 Expenditures for Maintenance and Repair

This report responds to the requirements established in Conference Report (H.Rep. 108-10) accompanying Public Law 108-7 (pages 886–887), which requires the DOE to provide an annual year-end report on maintenance expenditures to the Committees on Appropriations. This report compares the actual maintenance expenditures in FY 2021 to the amount planned for FY 2021, including Congressionally directed changes.

Science
Total Costs for Maintenance and Repair

(dollars in thousands)

	FY 2021 Planned Cost	FY 2021 Actual Cost
Ames Laboratory	2,400	2,800
Argonne National Laboratory	46,768	46,862
Brookhaven National Laboratory	35,128	43,490
Fermi National Accelerator Laboratory	21,704	19,890
Lawrence Berkeley National Laboratory	33,649	44,096
Notre Dame Radiation Laboratory	125	—
Oak Ridge Institute for Science and Education	480	724
Oak Ridge National Laboratory and Y-12	93,394	99,657
Oak Ridge Office	8,210	6,358
Office of Scientific and Technical Information	421	522
Pacific Northwest National Laboratory	10,322	11,837
Princeton Plasma Physics Laboratory	6,843	6,994
SLAC National Accelerator Laboratory	17,602	25,495
Thomas Jefferson National Accelerator Facility	10,386	10,061
Total, Maintenance and Repair	287,432	318,786

**Science
Excess Facilities**

Excess Facilities are facilities no longer required to support the Department’s needs, present or future missions or functions, or the discharge of its responsibilities. The table below reports the funding to deactivate and dispose of excess infrastructure, including stabilization and risk reduction activities at high-risk excess facilities. These activities result in surveillance and maintenance cost avoidance and reduced risk to workers, the public, the environment, and programs. This includes reductions in costs related to maintenance of excess facilities (including high-risk excess facilities) necessary to minimize the risk posed by those facilities prior to disposition. SC has no direct funded excess facilities costs to report.

Costs for Indirect-Funded Excess Facilities

(dollars in thousands)

	FY 2021 Planned Cost	FY 2021 Actual Cost	FY 2022 Planned Cost	FY 2023 Planned Cost
Argonne National Laboratory	400	9,652	400	550
Brookhaven National Laboratory	978	690	619	500
Fermi National Accelerator Laboratory	20	—	20	—
Lawrence Berkeley National Laboratory	16	—	2	400
Oak Ridge National Laboratory	500	2,049	250	1,250
SLAC National Accelerator Laboratory	56	—	—	158
Total, Indirect-Funded Excess Facilities	1,970	12,391	1,291	2,858

**Science
Research and Development**

(dollars in thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	FY 2023 Request vs FY 2022 Annualized CR
Basic	5,362,845	5,472,305	6,124,959	+652,654
Applied	-	-	-	-
Subtotal, R&D	5,362,845	5,472,305	6,124,959	+652,654
Equipment	238,706	239,739	248,988	+9,249
Construction	1,343,109	1,187,956	1,221,513	+33,557
Total, R&D	6,944,660	6,900,000	7,595,460	+695,460

Science
Small Business Innovative Research/Small Business Technology Transfer (SBIR/STTR)

(dollars in thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	FY 2023 Request vs FY 2021 Enacted
Office of Science				
Advanced Scientific Computing Research				
SBIR	25,736	27,495	30,775	+5,039
STTR	3,620	3,869	4,327	+707
Basic Energy Sciences				
SBIR	56,592	59,161	63,747	+7,155
STTR	7,963	8,328	8,965	+1,002
Biological and Environmental Research				
SBIR	23,850	23,738	28,054	+4,204
STTR	3,352	3,339	3,945	+593
Fusion Energy Sciences				
SBIR	12,352	13,216	14,487	+2,135
STTR	1,740	1,863	2,036	+296
High Energy Physics				
SBIR	22,325	21,080	22,769	+444
STTR	3,140	2,964	3,202	+62
Nuclear Physics				
SBIR	18,685	19,564	21,450	+2,765
STTR	2,625	2,748	3,015	+390
Accelerator R&D and Production				
SBIR	-	542	878	+878
STTR	-	75	124	+124
Total, Office of Science SBIR	159,540	164,796	182,160	+22,620
Total, Office of Science STTR	22,440	23,186	25,614	+3,174

Note:

- The other DOE programs SBIR/STTR funding amounts are listed in the other DOE budget volumes.