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 2022 Planned Cost	FY 2022 Actual Cost	FY 2023 Planned Cost	FY 2024 Planned Cost
Brookhaven National Laboratory	5,578	6,715	6,863	7,014
Lawrence Berkeley National Laboratory	19,089	1,640	21,850	21,200
Oak Ridge Institute for Science and Education	—	1,159	582	—
Oak Ridge National Laboratory	28,886	32,048	33,009	34,000
Oak Ridge Office	6,410	4,869	5,376	4,229
Office of Scientific and Technical Information	397	492	569	586
Pacific Northwest National Laboratory			-	-
SLAC National Accelerator Laboratory	3,934	6,509	-	-
Thomas Jefferson National Accelerator Facility	133	95	81	83
Total, Direct-Funded Maintenance and Repair	**64,427**	**53,527**	**68,330**	**67,112**

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 1,600 operational buildings and real property trailers, with nearly 24 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 below. 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.

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

(dollars in thousands)

	FY 2022 Planned Cost	FY 2022 Actual Cost	FY 2023 Planned Cost	FY 2024 Planned Cost
Ames Laboratory	2,400	2,634	2,900	3,000
Argonne National Laboratory	51,237	53,454	57,734	58,965
Brookhaven National Laboratory	33,352	41,250	42,158	43,085
Fermi National Accelerator Laboratory	23,183	21,648	21,167	21,836
Lawrence Berkeley National Laboratory	31,051	39,327	49,904	49,498
Oak Ridge Institute for Science and Education	656	642	731	753
Oak Ridge National Laboratory and Y-12	55,925	62,482	64,356	66,287
Oak Ridge Office	2,236	1,703	2,559	2,622
Pacific Northwest National Laboratory	11,270	9,863	14,172	12,728
Princeton Plasma Physics Laboratory	6,280	6,267	7,285	7,600
SLAC National Accelerator Laboratory	14,089	17,051	21,128	22,784
Thomas Jefferson National Accelerator Facility	7,634	8,403	9,004	9,274
Total, Indirect-Funded Maintenance and Repair	**239,313**	**264,724**	**293,098**	**298,432**

Science
Report on FY 2022 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 2022 to the amount planned for FY 2022, including Congressionally directed changes.

Total Costs for Maintenance and Repair

(dollars in thousands)

	FY 2022 Planned Costs	FY 2022 Actual Costs
Ames Laboratory	2,400	2,634
Argonne National Laboratory	51,237	53,454
Brookhaven National Laboratory	38,930	47,965
Fermi National Accelerator Laboratory	23,183	21,648
Lawrence Berkeley National Laboratory	50,140	40,967
Oak Ridge Institute for Science and Education	656	1,801
Oak Ridge National Laboratory and Y-12	84,811	94,530
Oak Ridge Office	8,646	6,572
Office of Scientific and Technical Information	397	492
Pacific Northwest National Laboratory	11,270	9,863
Princeton Plasma Physics Laboratory	6,280	6,267
SLAC National Accelerator Laboratory	18,023	23,560
Thomas Jefferson National Accelerator Facility	7,767	8,498
Total, Maintenance and Repair	**303,740**	**318,251**

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 2022 Planned Cost	FY 2022 Actual Cost	FY 2023 Planned Cost	FY 2024 Planned Cost
Argonne National Laboratory	400	597	550	600
Brookhaven National Laboratory	619	689	330	1,070
Fermi National Accelerator Laboratory	20	50	1,500	1,500
Lawrence Berkeley National Laboratory	2	330	200	550
Oak Ridge National Laboratory	250	1,110	1,492	1,500
SLAC National Accelerator Laboratory	—	176	650	157
Total, Indirect-Funded Excess Facilities	**1,291**	**2,952**	**4,722**	**5,377**

Science
Research and Development

(dollars in thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request	FY 2024 Request vs FY 2023 Enacted
Basic	5,795,405	6,374,837	6,807,475	+432,638
Applied	–	–	–	–
Subtotal, R&D	5,795,405	6,374,837	6,807,475	+432,638
Equipment	258,389	251,699	207,901	-43,798
Construction	1,261,206	1,255,013	1,388,973	+133,960
Total, R&D	**7,315,000**	**7,881,549**	**8,404,349**	**+522,800**

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

(dollars in thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request	FY 2024 Request vs FY 2023 Enacted	
Office of Science					
Advanced Scientific Computing Research					
SBIR	28,194	10,112	12,093	+1,981	+19.59%
STTR	3,965	1,422	1,701	+279	+19.62%
Basic Energy Sciences					
SBIR	61,375	35,557	36,306	+749	+2.11%
STTR	8,643	5,000	5,105	+105	+2.10%
Biological and Environmental Research					
SBIR	25,184	21,327	22,278	+951	+4.46%
STTR	3,545	2,999	3,137	+138	+4.60%
Fusion Energy Sciences					
SBIR	13,457	10,921	18,765	+7,844	+71.82%
STTR	1,899	1,536	2,642	+1,106	+72.01%
High Energy Physics					
SBIR	22,179	13,911	13,073	-838	-6.02%
STTR	3,119	1,956	1,838	-118	-6.03%
Nuclear Physics					
SBIR	21,390	8,336	7,541	-795	-9.54%
STTR	3,006	1,173	1,060	-113	-9.63%
Accelerator R&D and Production					
SBIR	576	686	686	–	–
STTR	81	96	97	+1	+1.04%
Total, Office of Science SBIR	**172,355**	**100,850**	**110,742**	**+9,892**	**+9.81%**
Total, Office of Science STTR	**24,258**	**14,182**	**15,580**	**+1,398**	**+9.86%**

Note:

- *The other DOE programs SBIR/STTR funding amounts are listed in the other DOE budget volumes.*
- *Starting in FY 2023, Scientific User Facility operations funding is excluded from SBIR/STTR contribution.*