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 goals and objectives.

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

	FY 2016 Planned Cost	FY 2016 Actual Cost	FY 2017 Planned Cost	FY 2018 Planned Cost
Argonne National Laboratory	0	0	0	11,900
Brookhaven National Laboratory	5,228	4,194	5,791	5,908
Fermi National Accelerator Laboratory	0	15	0	0
Lawrence Berkeley National Laboratory	0	0	9,000	18,500
Notre Dame Radiation Laboratory	175	123	175	175
Oak Ridge National Laboratory	14,420	13,965	14,853	15,298
Oak Ridge Office	4,075	3,388	9,079	6,324
Office of Scientific and Technical Information	392	387	402	412
SLAC National Accelerator Laboratory	3,667	3,338	3,740	4,878
Thomas Jefferson National Accelerator Facility	71	344	73	75
Total, Direct-Funded Maintenance and Repair	**28,028**	**25,754**	**43,113**	**63,470**

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 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.

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

	FY 2016 Planned Cost	FY 2016 Actual Cost	FY 2017 Planned Cost	FY 2018 Planned Cost
Ames Laboratory	2,300	2,347	2,600	2,900
Argonne National Laboratory	48,100	56,902	57,200	59,500
Brookhaven National Laboratory	39,388	38,296	44,971	45,918
Fermi National Accelerator Laboratory	18,383	15,505	19,126	19,238
Lawrence Berkeley National Laboratory	27,450	28,288	27,860	28,103
Lawrence Livermore National Laboratory	2,869	2,869	2,926	2,984
Los Alamos National Laboratory	611	611	623	635
Oak Ridge Institute for Science and Education	443	509	489	490
Oak Ridge National Laboratory and Y-12	59,103	70,032	62,376	64,202
Pacific Northwest National Laboratory	7,608	8,813	6,805	8,137
Princeton Plasma Physics Laboratory	7,000	7,731	8,000	8,200
Sandia National Laboratories	2,940	2,940	2,998	3,058
SLAC National Accelerator Laboratory	9,240	10,572	10,120	10,835
Thomas Jefferson National Accelerator Facility	5,900	6,498	6,360	6,550
Total, Indirect-Funded Maintenance and Repair	**231,335**	**251,913**	**252,454**	**260,750**

Facilities maintenance and repair activities funded indirectly through overhead charges at SC laboratories are displayed. Since this funding is allocated to all work done at each laboratory, the cost of these activities 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 expenditures across all SC laboratories.

Report on FY 2016 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 Department of Energy to provide an annual year-end report on maintenance expenditures to the Committees on Appropriations. This report compares the actual maintenance expenditures in FY 2016 to the amount planned for FY 2016, including Congressionally directed changes.

Science
Total Costs for Maintenance and Repair ($K)

	FY 2016 Planned Costs	FY 2016 Actual Costs
Ames Laboratory	2,300	2,347
Argonne National Laboratory	48,100	56,902
Brookhaven National Laboratory	44,616	42,490
Fermi National Accelerator Laboratory	18,383	15,520
Lawrence Berkeley National Laboratory	27,450	28,288
Lawrence Livermore National Laboratory	2,869	2,869
Los Alamos National Laboratory	611	611
Notre Dame Radiation Laboratory	175	123
Oak Ridge Institute for Science and Education	443	509
Oak Ridge National Laboratory and Y-12	73,523	83,997
Oak Ridge Office	4,075	3,388
Office of Scientific and Technical Information	392	387
Pacific Northwest National Laboratory	7,608	8,813
Princeton Plasma Physics Laboratory	7,000	7,731
Sandia National Laboratories	2,940	2,940
SLAC National Accelerator Laboratory	12,907	13,910
Thomas Jefferson National Accelerator Facility	5,971	6,842
Total, Maintenance and Repair	**259,363**	**277,667**

Science
Research and Development ($K)

	FY 2016 Enacted	FY 2017 Annualized CR	FY 2018 Request	FY 2018 vs. FY 2016
Basic	4,452,419	4,513,985	3,829,898	-622,521
Applied	0	0	0	0
Subtotal, R&D	4,452,419	4,513,985	3,829,898	-622,521
Equipment	222,135	177,298	96,804	-125,331
Construction	630,842	603,478	506,010	-124,832
Total, R&D	**5,305,396**	**5,294,761**	**4,432,712**	**-872,684**

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Small Business Innovative Research/Small Business Technology Transfer (SBIR/STTR) ($K)

	FY 2016 Enacted	FY 2017 Annualized CR	FY 2018 Request	FY 2018 vs. FY 2016
Office of Science				
Advanced Scientific Computing Research				
SBIR	18,450	—	22,785	+4,335
STTR	2,768	—	3,204	+436
Basic Energy Sciences				
SBIR	47,468	—	42,444	-5,024
STTR	7,120	—	5,969	-1,151
Biological and Environmental Research				
SBIR	18,135	—	11,076	-7,059
STTR	2,720	—	1,558	-1162
Fusion Energy Sciences				
SBIR	9,333	—	7,902	-1,431
STTR	1,400	—	1,111	-289
High Energy Physics				
SBIR	18,128	—	16,377	-1,751
STTR	2,719	—	2,303	-416
Nuclear Physics				
SBIR	14,040	—	12,941	-1,099
STTR	2,106	—	1,820	-286
Total, Office of Science SBIR	**125,554**	—	**113,525**	**-12,029**
Total, Office of Science STTR	**18,833**	—	**15,965**	**-2,868**
Other DOE				
Nuclear Energy				
SBIR	TBD	TBD	TBD	TBD
STTR	TBD	TBD	TBD	TBD
Electricity Delivery & Energy Reliability				
SBIR	TBD	TBD	TBD	TBD
STTR	TBD	TBD	TBD	TBD
Energy Efficiency & Renewable Energy				
SBIR	TBD	TBD	TBD	TBD
STTR	TBD	TBD	TBD	TBD
Environmental Management				
SBIR	TBD	TBD	TBD	TBD
STTR	TBD	TBD	TBD	TBD

	FY 2016 Enacted	FY 2017 Annualized CR	FY 2018 Request	FY 2018 vs. FY 2016
Defense Nuclear Nonproliferation				
SBIR	TBD	TBD	TBD	TBD
STTR	TBD	TBD	TBD	TBD
Fossil Energy				
SBIR	TBD	TBD	TBD	TBD
STTR	TBD	TBD	TBD	TBD
Total, Other DOE SBIR	**TBD**	**TBD**	**TBD**	**TBD**
Total, Other DOE STTR	**TBD[a]**	**TBD[a]**	**TBD[a]**	**TBD[a]**
Total, DOE SBIR	**125,554**	**—**	**113,525**	**-12,029**
Total, DOE STTR	**18,833**	**—**	**15,965**	**-2,868**

[a] The DOE SBIR/STTR amounts are listed in the other DOE program budget volumes.

Science
Safeguards and Security Crosscut ($K)

	FY 2016 Enacted	FY 2017 Annualized CR[a]	FY 2018 Request	FY 2018 vs. FY 2016
Protective Forces	37,899	–	40,545	+2,646
Physical Security Systems	10,097	–	10,097	0
Information Security	7,647	–	4,356	-3,291
Cyber Security	32,974	–	33,619	+645
Personnel Security	5,334	–	5,334	0
Material Control and Accountability	2,431	–	2,431	0
Program Management	6,618	–	6,618	0
Total, Safeguards and Security Crosscut	**103,000**	**102,805**	**103,000**	0

[a] FY 2017 Annualized CR amounts reflect the P.L. 114-254 continuing resolution level annualized to a full year. These amounts are shown only at the "congressional control" level and above; below that level, a dash (-) is shown.