

**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)**

	<b>FY 2014 Actual Cost</b>	<b>FY 2014 Planned Cost</b>	<b>FY 2015 Planned Cost</b>	<b>FY 2016 Planned Cost</b>
Brookhaven National Laboratory	6,103	5,515	5,953	6,132
Fermi National Accelerator Laboratory	255	142	147	151
Notre Dame Radiation Laboratory	140	80	170	170
Oak Ridge National Laboratory	16,331	15,816	14,000	14,280
Oak Ridge Office	2,554	2,581	2,989	3,228
Office of Scientific and Technical Information	372	372	383	392
Pacific Northwest National Laboratory	2,070	2,358	0	0
SLAC National Accelerator Laboratory	3,323	3,545	2,774	2,871
Thomas Jefferson National Accelerator Facility	109	67	69	71
<b>Total, Direct-Funded Maintenance and Repair</b>	<b>31,257</b>	<b>30,476</b>	<b>26,485</b>	<b>27,295</b>

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)**

	<b>FY 2014 Actual Cost</b>	<b>FY 2014 Planned Cost</b>	<b>FY 2015 Planned Cost</b>	<b>FY 2016 Planned Cost</b>
Ames Laboratory	1,712	1,696	1,835	1,825
Argonne National Laboratory	50,071	43,400	46,600	47,500
Brookhaven National Laboratory	39,275	37,722	38,510	40,846
Fermi National Accelerator Laboratory	17,488	17,158	17,738	18,234
Lawrence Berkeley National Laboratory	18,164	17,000	21,859	30,948
Lawrence Livermore National Laboratory	2,828	2,828	2,885	2,943
Los Alamos National Laboratory	121	121	123	125

	<b>FY 2014 Actual Cost</b>	<b>FY 2014 Planned Cost</b>	<b>FY 2015 Planned Cost</b>	<b>FY 2016 Planned Cost</b>
Oak Ridge Institute for Science and Education	644	433	434	444
Oak Ridge National Laboratory	57,918	59,627	56,933	58,072
Oak Ridge National Laboratory facilities at Y-12	864	761	761	761
Pacific Northwest National Laboratory	2,781	1,809	4,521	4,838
Princeton Plasma Physics Laboratory	6,656	6,730	6,800	7,000
Sandia National Laboratories	2,649	2,649	2,701	2,755
SLAC National Accelerator Laboratory	7,737	8,208	8,504	9,089
Thomas Jefferson National Accelerator Facility	4,562	5,500	5,700	5,800
<b>Total, Indirect-Funded Maintenance and Repair</b>	<b>213,470</b>	<b>205,642</b>	<b>215,904</b>	<b>231,180</b>

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 is allocated to 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.

#### **Institutional General Plant Projects (\$K)**

	<b>FY 2014 Enacted</b>	<b>FY 2014 Current</b>	<b>FY 2015 Enacted</b>	<b>FY 2016 Request</b>	<b>FY 2016 vs. FY 2015</b>
Argonne National Laboratory	13,090	12,458	12,140	12,247	+107
Brookhaven National Laboratory	7,740	7,159	6,739	9,655	+2,916
Lawrence Berkeley National Laboratory	6,000	2,392	3,974	4,978	+1,004
Oak Ridge National Laboratory	14,300	10,700	16,000	12,000	-4,000
Pacific Northwest National Laboratory	16,149	9,068	11,837	11,643	-194
SLAC National Accelerator Laboratory	4,344	959	7,040	6,254	-786
<b>Total, IGPP</b>	<b>61,623</b>	<b>42,736</b>	<b>57,730</b>	<b>56,777</b>	<b>-953</b>

Institutional General Plant Projects are construction projects that are less than \$10 million and cannot be allocated to a specific program. IGPPs fulfill multi-programmatic and/or inter-disciplinary needs and are funded through site overhead. The table displays total IGPP funding across all SC laboratories by site.

#### **Report on FY 2014 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 2014 to the amount planned for FY 2014, including Congressionally directed changes.

**Science**

**Total Costs for Maintenance and Repair (\$K)**

	<b>FY 2014 Actual Costs</b>	<b>FY 2014 Planned Costs</b>
Ames Laboratory	1,712	1,696
Argonne National Laboratory	50,071	43,400
Brookhaven National Laboratory	45,378	43,237
Fermi National Accelerator Laboratory	17,743	17,300
Lawrence Berkeley National Laboratory	18,164	17,000
Lawrence Livermore National Laboratory	2,828	2,828
Los Alamos National Laboratory	121	121
Notre Dame Radiation Laboratory	140	80
Oak Ridge Institute for Science and Education	644	433
Oak Ridge National Laboratory	74,249	75,443
Oak Ridge National Laboratory facilities at Y-12	864	761
Oak Ridge Office	2,554	2,581
Office of Scientific and Technical Information	372	372
Pacific Northwest National Laboratory	4,851	4,167
Princeton Plasma Physics Laboratory	6,656	6,730
Sandia National Laboratories	2,649	2,649
SLAC National Accelerator Laboratory	11,060	11,753
Thomas Jefferson National Accelerator Facility	4,671	5,567
<b>Total, Maintenance and Repair</b>	244,727	236,118

**Science  
Research and Development (\$K)**

	<b>FY 2014 Current<sup>a</sup></b>	<b>FY 2015 Enacted</b>	<b>FY 2016 Request</b>	<b>FY 2016 vs. FY 2015</b>
Basic	4,013,904	4,045,611	4,166,560	+125,049
Applied	64,666	0	0	0
<b>Subtotal, R&amp;D</b>	<b>4,078,570</b>	<b>4,045,611</b>	<b>4,166,560</b>	<b>+125,049</b>
Equipment	160,576	157,867	180,501	+22,634
Construction	484,578	476,687	552,702	+71,915
<b>Total, R&amp;D</b>	<b>4,723,724</b>	<b>4,680,165</b>	<b>4,899,763</b>	<b>+219,598</b>

<sup>a</sup> Funding reflects the SBIR/STTR amounts transferred to the Office of Science.

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

	<b>FY 2014 Reprogrammed/ Transferred</b>	<b>FY 2015 Projected</b>	<b>FY 2016 Request</b>	<b>FY 2016 vs. FY 2015 Projected</b>
<b>Office of Science</b>				
Advanced Scientific Computing Research				
SBIR	13,291	15,457	18,450	+2,993
STTR	1,899	2,132	2,767	+635
Basic Energy Sciences				
SBIR	43,074	44,182	47,561	+3,379
STTR	6,153	6,094	7,134	+1,040
Biological and Environmental Research				
SBIR	16,943	17,034	18,238	+1,204
STTR	2,420	2,348	2,735	+387
Fusion Energy Sciences				
SBIR	7,719	8,906	7,743	-1,163
STTR	1,103	1,228	1,162	-66
High Energy Physics				
SBIR	18,901	18,273	18,381	+108
STTR	2,700	2,521	2,757	+236
Nuclear Physics				
SBIR	12,544	13,024	14,271	+1,247
STTR	1,792	1,796	2,141	+345
<b>Total, Office of Science SBIR</b>	<b>112,472</b>	<b>116,876</b>	<b>124,644</b>	<b>+7,768</b>
<b>Total, Office of Science STTR</b>	<b>16,067</b>	<b>16,119</b>	<b>18,696</b>	<b>+2,577</b>

	<b>FY 2014 Reprogrammed/ Transferred</b>	<b>FY 2015 Projected</b>	<b>FY 2016 Request</b>	<b>FY 2016 vs. FY 2015 Projected</b>
Other DOE				
Nuclear Energy				
SBIR	9,524	TBD	TBD	TBD
STTR	1,360	TBD	TBD	TBD
Electricity Delivery & Energy Reliability				
SBIR	2,657	TBD	TBD	TBD
STTR	380	TBD	TBD	TBD
Energy Efficiency & Renewable Energy				
SBIR	27,403	TBD	TBD	TBD
STTR	3,362	TBD	TBD	TBD
Environmental Management				
SBIR	619	TBD	TBD	TBD
STTR	88	TBD	TBD	TBD
Defense Nuclear Nonproliferation				
SBIR	6,975	TBD	TBD	TBD
STTR	997	TBD	TBD	TBD
Fossil Energy				
SBIR	9,888	TBD	TBD	TBD
STTR	1,413	TBD	TBD	TBD
<b>Total, Other DOE SBIR</b>	<b>57,066</b>	<b>TBD</b>	<b>TBD</b>	<b>TBD</b>
<b>Total, Other DOE STTR</b>	<b>7,600</b>	<b>TBD</b>	<b>TBD</b>	<b>TBD</b>
<b>Total, DOE SBIR</b>	<b>169,538</b>	<b>116,876</b>	<b>124,644</b>	<b>+7,768</b>
<b>Total, DOE STTR</b>	<b>23,667</b>	<b>16,119</b>	<b>18,696</b>	<b>+2,577</b>

**Science**  
**Safeguards and Security Crosscut (\$K)**

	<b>FY 2014 Current</b>	<b>FY 2015 Enacted</b>	<b>FY 2016 Request</b>	<b>FY 2016 vs. FY 2015</b>
Protective Forces	38,502	38,095	38,805	+710
Physical Security Systems	13,580	12,601	12,019	-582
Information Security	4,407	4,252	4,416	+164
Cyber Security	16,074	24,118	33,156	+9,038
Personnel Security	5,416	5,267	5,412	+145
Material Control and Accountability	2,522	2,223	2,454	+231
Program Management	6,499	6,444	6,738	+294
<b>Total, Safeguards and Security Crosscut</b>	<b>87,000</b>	<b>93,000</b>	<b>103,000</b>	<b>+10,000</b>

