Office of the Chief Financial Officer

2014 Annual Report

BERKELEY LAB

OCFO
Office of the Chief Financial Officer

Office of the Chief Financial Officer

2014 Annual Report

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University of California
Berkeley, California

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Front Cover: A sampling of science and events that shaped Berkeley Lab in FY2015.
Visit http://newscenter.lbl.gov/berkeley-labs-2014-highlights for details.

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From a financial perspective, FY2014 was a year of notable challenges and accomplishments for Lawrence Berkeley National Laboratory. The year began with an unprecedented concurrent federal government shutdown and debt ceiling crisis that threatened to suspend the Lab's operations. Working collaboratively with the Lab's research and operations units and DOE, the Lab was able to continue executing its mission during the shutdown, which was resolved by Congress on October 16, 2013. The year ended with another notable outcome, as we closed the books for the last time in our seventeen year old financial system, and prepared to Go Live with a completely re-engineered system on October 1, 2014. This project required close partnership with all of the Lab's scientific and operations divisions, and was successfully accomplished on schedule, on budget and in scope.

FY2014 financial results and challenges in many ways mirrored FY2013. Berkeley Lab received a total of $784 million in new FY2014 funding, a one percent decrease from FY2013 funding. Total FY2014 spending was $785 million, a decrease of four percent from FY2013 spending. Given level funding and continued cost pressures, balancing core research and operations needs with strategic investments remained a test. Consistent with FY2013, indirect-funded operations units took cost cuts that largely mitigated cost escalation. However, a modest increase in overhead rates was also necessary to close the gap in the indirect budget.

The Office of the Chief Financial Officer (OCFO) played an instrumental role in leading and achieving these notable outcomes. Our primary focus was on executing our financial stewardship responsibilities and delivering our services while implementing the new financial system. We also continued to provide practical and innovative solutions to the Laboratory Community, as noted below.

OCFO Vision: High-value financial stewardship, services, and strategic solutions that contribute to the scientific mission of the Laboratory.

The Financial Systems Modernization (F$M) project team successfully transitioned the Lab to the new financial management system on October 1, 2014. F$M will improve quality and access to financial information through a more robust data structure and reporting tools; support delivery of prompt, efficient, and transparent financial services; and replace an aging and customized system with a modern system, reducing the long-term cost and risk of financial system ownership. This effort involved every part of the Lab and reflected the contributions of a multi-disciplinary team from the OCFO, Information Technology, all of the scientific and operations divisions, and our systems integrator. Key FY2014 milestones included configuration and customization of the new system; a rigorous testing regimen; a comprehensive training program; and extensive Labwide stakeholder engagement, communication and change management. An independent project review validated project and organizational readiness for the launch on time and within budget. A financial system Help Desk was established and is now managed by the Business Systems Analysis team.

FY2014 was a challenging and successful year for the Procurement and Property Department. During FY2014, over $326M in procurement activity was executed, $29.2M in procurement cost savings were achieved, and socioeconomic performance goals were exceeded. The impressive multi-year transformation of the Procurement organization, founded on the department's commitment to continuous improvement and customer service, was recognized with a 2014 Laboratory Director's Award for Achievement. Other notable accomplishments included the implementation of a new customer-focused website, expansion of the Procurement Help Desk, rollout of a Customer Advocate Program, and extensive engagement on F$M.

The OCFO Budget Office supported management of the Laboratory's $784M in funding and $206M in institutional spending in FY2014. Notable achievements include the development of several innovative analytic and decision support tools including an Institutional Pricing Tool, a

Chief Financial Officer's Statement Continued

new approach to evaluate the total cost of ownership of proposed investments, and a bridge funding and risk assessment tool. Budget Office staff provided critical expertise to strategic initiatives including complex facility projects that will house Berkeley Lab research programs. The Budget Office played a lead role in the successful continuation of Laboratory operations during the government shutdown.

The Field Operations Unit provided essential budget formulation, execution, and decision analysis support to all of the Laboratory's areas and divisions. In close collaboration with divisional management, the unit supported Principal Investigators, Project Managers and Lab leadership in the financial management of thousands of projects across the Lab. Major accomplishments included real-time analysis and proactive contingency planning during the government shutdown, and technical expertise needed to design new financial processes and services for the new system. Collectively, the Field Operations unit participated in hundreds of hours of training, testing, and data validation for F$M.

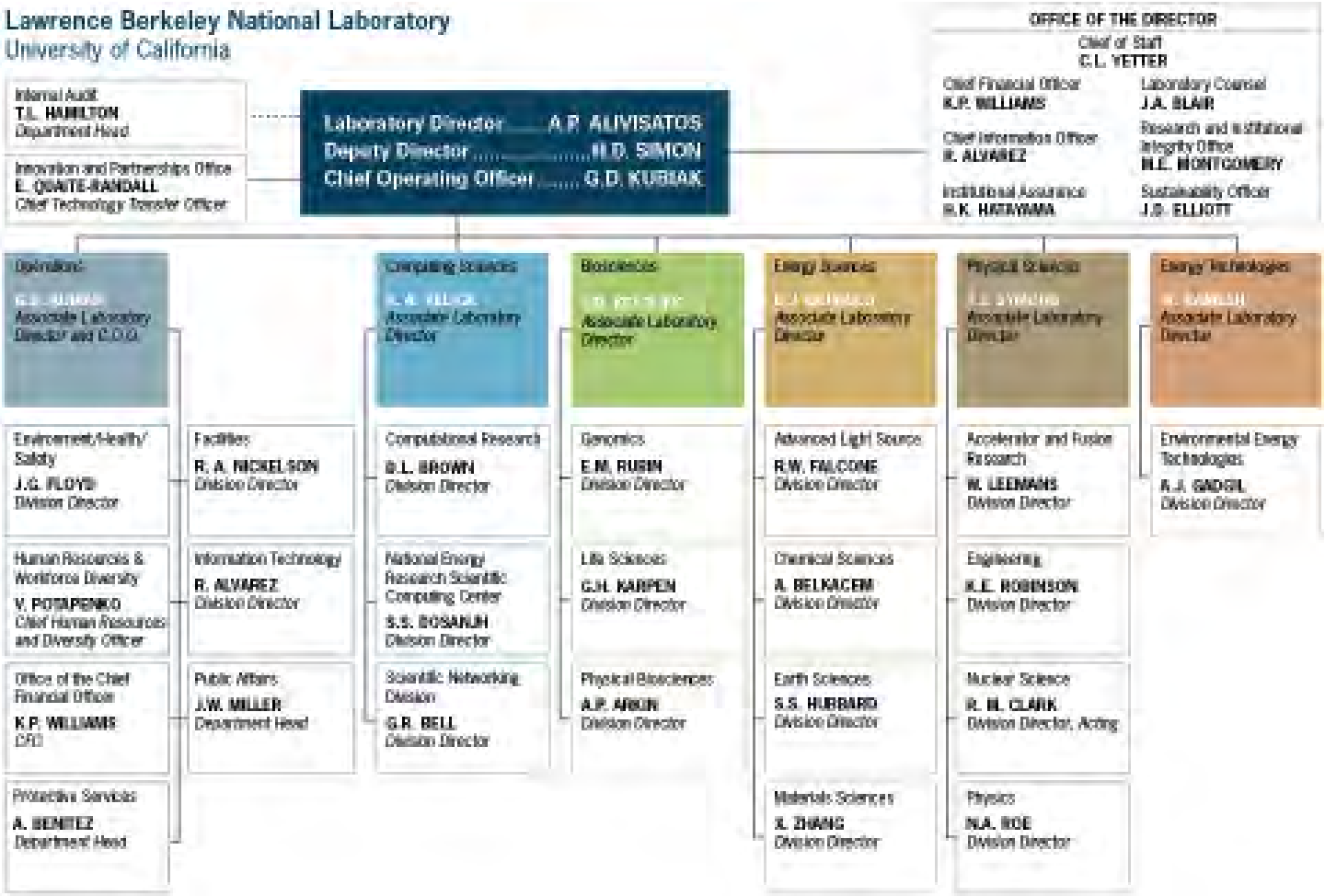
The Office of Sponsored Projects and Industry Partnerships (OSPIP) continued its partnership with the Business Systems Analysis group and Information Technology to expand the electronic Sponsored Research Administration (eSRA) system. Concurrent with the F$M Go Live, DOE and other lines of business were successfully added to eSRA on October 1, 2014. Over the course of the year, OSPIP supported scientists in securing $127 million in sponsored research funding. Consistent with a Laboratory goal to strengthen industry partnerships, plans were made to realign OSPIP functions within the Innovation and Partnerships Office (IPO) and the OCFO's Budget Office. This reorganization will also enable a more seamless proposal-to-closeout process. The Controller's Office is responsible for the Laboratory's disbursement, accounting and financial compliance functions. During FY2014, the department processed over 7,000 billings to non-DOE sponsors, 30,000 vendor invoices and 10,000 travel reimbursements. The Department was a significant contributor to the F$M project providing subject matter expertise in the areas of general ledger and DOE accounting, sponsored research and contract accounting, and accounts payable. In addition to ongoing operations responsibilities, Controller's Office staff participated in all phases of F$M with an emphasis on requirements refinement, systems testing/user acceptance testing, training, data conversion and deployment.

Building on the OCFO vision, within OCFO Operations the focus was on supporting the successful implementation of the F$M project, the well-being of our employees, and meeting new conference reporting requirements. We continued to use Townhalls and informal meetings to share context and engage OCFO employees as active participants in the many changes underway in FY2014. In particular, we supplemented our coaching on change management, resiliency and safety. The Conference Services Team directly supported 58 events and gave indirect support for 545 Berkeley Lab events. The team enhanced business processes and systems to reduce the effort needed for DOE-required reporting of over 1,500 conferences.

FY2014 was a year of significant financial challenge and achievement for the Lab, and for the OCFO. We look forward to continuing to enhance our financial stewardship, services and contributions to Berkeley Lab in FY2015.

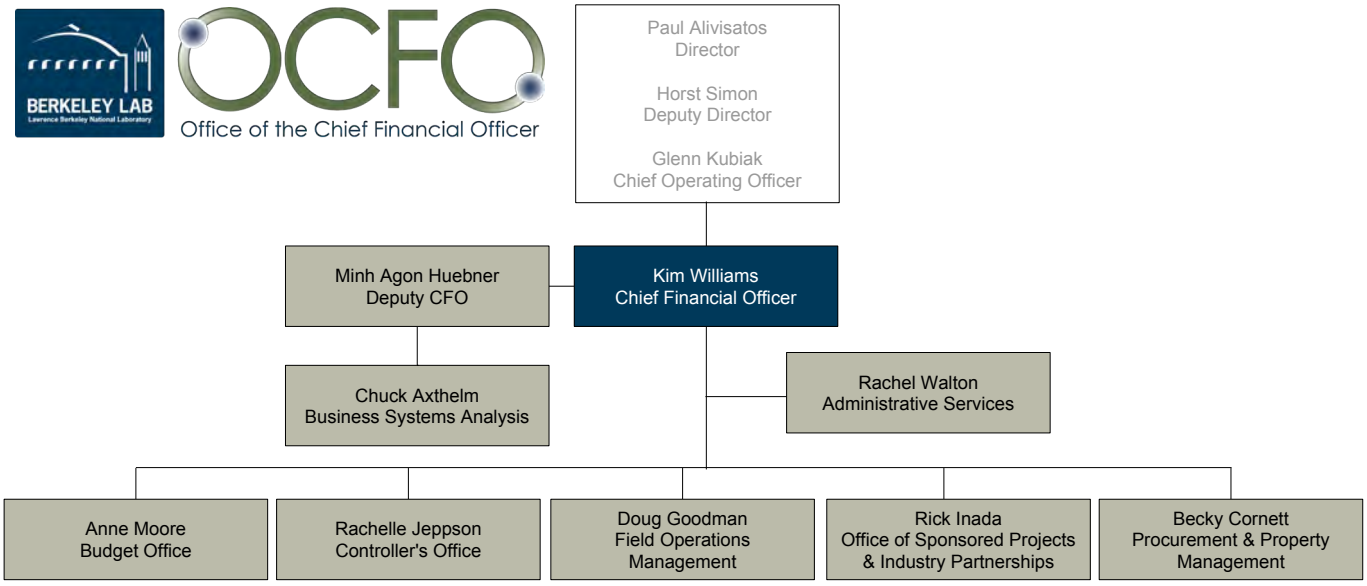
Sincerely,
Kim Williams
Chief Financial Officer

Lawrence Berkeley National Laboratory (LBNL), University of California



Organization

Office of the Chief Financial Officer



1. Institutional Information

Figure 1.1

Where Did Your Program Dollars Go in FY2014?

Expenses	DOE Operating Costs	DOE Integrated Contractors Costs	Construction and Equipment	WFO Non-DOE
DIRECT				
Direct Labor				
UC Labor (a)	$0.35	$0.36	$0.22	$0.38
Contract Labor	$0.00	$0.00	$0.00	$0.00
Organization/ALD Burden (b)	$0.05	$0.06	$0.04	$0.07
Subtotal Direct Labor	$0.40	$0.42	$0.26	$0.45
OTHER DIRECT				
Services	$0.21	$0.05	$0.23	$0.12
Materials	$0.08	$0.10	$0.39	$0.05
Utilities	$0.01	$0.00	$0.00	$0.01
Other Expenses (c)	$0.00	$0.00	$0.00	$0.02
Recharges (b,d)	$0.02	$0.20	$0.01	$0.04
Travel	$0.02	$0.01	$0.00	$0.01
Subtotal Other Direct	**$0.35**	**$0.36**	**$0.63**	**$0.25**
Total Direct	**$0.75**	**$0.78**	**$0.89**	**$0.70**
INDIRECT				
Procurement	$0.01	$0.01	$0.03	$0.01
Travel	$0.00	$0.00	$0.00	$0.00
G&A (Other Inst.)	$0.24	$0.20	$0.08	$0.29
Total Indirect	**$0.25**	**$0.22**	**$0.11**	**$0.30**
TOTAL EXPENSES	**$1.00**	**$1.00**	**$1.00**	**$1.00**

Note: Minor variances may occur due to rounding.
(a) UC Labor includes salary and benefits for Scientists/Engineers, Admin., Students/GSRAs and Campus Labor.
(b) Distributed activities used by direct funded programs. ALD Burden implemented at beginning of FY2013.
(c) Includes misc. expenses (stipends, sales tax, freight, etc.).
(d) Includes recharges credited back to direct operating accounts such as ALS and ESnet.

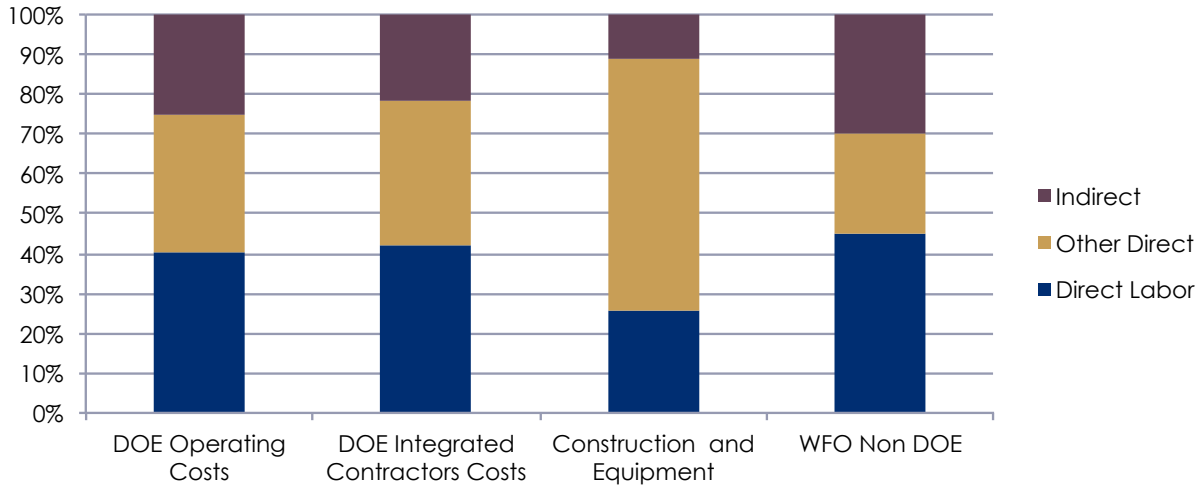


Table 1.1

Cost Trends by Expense Category, FY2010- FY2014 ($M and % of Total)

	FY2010		FY2011		FY2012		FY2013		FY2014	
Expenses	**$M**	**%**	**$M**	**%**	**$M**	**%**	**$M**	**%**	**$M**	**%**
DIRECT										
Direct Labor										
UC Labor (a)	237.2	29.2%	264.3	31.6%	271.5	33.1%	273.2	33.4%	274.8	35.0%
Contract Labor	1.4	0.2%	1.1	0.1%	0.8	0.1%	0.7	0.1%	0.4	0.0%
Organization/ALD Burden (b)	37.1	4.6%	40.0	4.8%	41.3	5.0%	42.4	5.2%	42.4	5.4%
Subtotal Direct Labor	**275.7**	**34.0%**	**305.5**	**36.5%**	**313.6**	**38.3%**	**316.4**	**38.6%**	**317.6**	**40.5%**
Other Direct										
Services	203.3	25.1%	213.6	25.5%	182.6	22.3%	183.3	22.4%	150.8	19.2%
Materials	120.6	14.9%	86.6	10.4%	88.9	10.9%	79.0	9.6%	71.1	9.1%
Utilities	8.3	1.0%	10.8	1.3%	8.4	1.0%	7.8	1.0%	9.2	1.2%
Other Expenses (c)	4.5	0.6%	5.6	0.7%	5.7	0.7%	3.4	0.4%	3.6	0.5%
Recharges (b,d)	14.3	1.8%	15.6	1.9%	20.3	2.5%	22.8	2.8%	23.4	3.0%
Travel	11.7	1.4%	12.9	1.5%	13.1	1.6%	12.5	1.5%	12.2	1.6%
Subtotal Other Direct	**362.8**	**44.7%**	**345.1**	**41.3%**	**319.0**	**38.9%**	**308.8**	**37.7%**	**270.2**	**34.4%**
Total Direct	**638.5**	**78.7%**	**650.5**	**77.8%**	**632.6**	**77.2%**	**625.2**	**76.3%**	**587.8**	**74.9%**
INDIRECT										
Procurement	8.5	1.0%	8.3	1.0%	8.6	1.1%	9.3	1.1%	8.5	1.1%
Travel	1.5	0.2%	1.6	0.2%	1.9	0.2%	1.4	0.2%	1.3	0.2%
G&A (Other Inst.)	162.5	20.0%	175.7	21.0%	176.0	21.5%	183.3	22.4%	187.3	23.9%
Total Indirect	**172.5**	**21.3%**	**185.6**	**22.2%**	**186.5**	**22.8%**	**194.1**	**23.7%**	**197.1**	**25.1%**
TOTAL EXPENSES	**811.1**	**100.0%**	**836.1**	**100.0%**	**819.1**	**100.0%**	**819.2**	**100.0%**	**784.9**	**100.0%**

Note: Minor variances may occur due to rounding.
(a) UC Labor includes salary and benefits for Scientists/Engineers, Admin., Students/GSRAs and Campus Labor.
(b) Distributed activities used by direct funded programs. ALD Burden implemented at beginning of FY2013.
(c) Includes misc. expenses (stipends, sales tax, freight, etc.).
(d) Includes recharges credited back to direct operating accounts such as ALS and ESnet.

Table 1.2

Direct Cost Trends by Division, FY2010 - FY2014 ($K)

Division	FY2010	FY2011	FY2012	FY2013	FY2014
Accelerator & Fusion Research	39,175	52,669	43,585	31,520	28,562
Advanced Light Source	57,656	63,453	70,357	74,850	69,647
Chemical Sciences	17,715	17,965	17,979	22,298	27,281
Computing Sciences	128,123	143,316	125,749	139,536	134,324
Environmental Energy Technologies	82,493	102,721	107,006	103,779	107,543
Engineering	5,929	4,014	3,524	4,934	5,151
Environment/Health/Safety	2,806	2,504	3,360	1,518	51
Earth Sciences	44,300	55,550	55,399	57,319	58,125
Facilities	64,299	36,450	37,843	36,455	11,571
Genomics - JGI	77,375	67,023	72,055	67,646	71,014
Genomics	5,994	6,360	5,951	7,419	7,036
Information Technology	3,380	3,570	2,781	2,081	2,550
Life Sciences	62,290	59,118	49,384	41,123	34,852
Materials Sciences	72,722	76,397	81,551	78,309	78,034
Nuclear Science	34,598	37,753	38,809	37,193	32,397
Physical Biosciences	66,258	65,928	61,986	62,076	62,787
Physics	44,751	40,219	40,633	48,283	48,773
Protective Services (a)	-	-	-	1,442	3,860
Lab Directorate/Other	1,112	991	1,088	1,394	1,310
Other	88	92	52	64	51
Division Total	**811,062**	**836,095**	**819,093**	**819,242**	**784,917**

Note: Minor variances may occur due to rounding.

(a) Safeguards and Security funding moved from Environment/Health/Safety (EHS) to Protective Services per DOE order within FY2013.

Table 1.2a

Costs by Direct Funding Source by Division, FY2014 ($K)

Division	FY2014						
	DOE Operating	DOE Integrated Contractors Costs	WFO Federal	WFO Non-Federal	Operating Subtotal	Capital and Equipment	Total
Accelerator & Fusion Research	16,896	3,989	-	1,068	21,954	6,608	28,562
Advanced Light Source	59,289	269	-	1,222	60,781	8,866	69,647
Chemical Sciences	23,705	-	1,722	1,854	27,281	-	27,281
Computing Sciences	121,889	3,719	3,237	457	129,303	5,020	134,324
Environmental Energy Technologies	82,580	1,768	9,001	14,194	107,543	-	107,543
Engineering	163	2,307	531	2,139	5,140	11	5,151
Environment/Health/Safety	42	7	-	-	49	2	51
Earth Sciences	42,308	2,930	2,533	10,281	58,053	72	58,125
Facilities	4,058	-	-	-	4,058	7,512	11,571
Genomics - JGI	70,474	-	-	539	71,014	-	71,014
Genomics	-	-	4,264	2,772	7,036	-	7,036
Information Technology	2,422	-	-	128	2,550	-	2,550
Life Sciences	6,235	40	24,350	4,227	34,852	-	34,852
Materials Sciences	65,954	227	2,511	9,340	78,031	3	78,034
Nuclear Science	19,424	2,547	7,069	1,541	30,582	1,816	32,397
Physical Biosciences	49,828	640	5,507	5,739	61,715	1,072	62,787
Physics	48,105	385	(0)	282	48,773	-	48,773
Protective Services	3,345	-	-	-	3,345	516	3,860
Lab Directorate/Other	1,306	4	-	-	1,310	-	1,310
Other	-	51	-	-	51	-	51
Division Total	**618,024**	**18,884**	**60,725**	**55,785**	**753,418**	**31,499**	**784,917**

Note: Minor variances may occur due to rounding.

Table 1.2b

Costs by Direct Funding Source by Division, FY2013 ($K)

Division	FY2013						
	DOE Operating	DOE Integrated Contractors Costs	WFO Federal	WFO Non-Federal	Operating Subtotal	Capital and Equipment	Total
Accelerator & Fusion Research	19,768	1,869	731	541	22,909	8,611	31,520
Advanced Light Source	61,368	91	-	963	62,422	12,428	74,850
Chemical Sciences	18,867	94	1,438	1,898	22,298	-	22,298
Computing Sciences	129,882	841	1,825	1,387	133,935	5,601	139,536
Environmental Energy Technologies	74,587	2,365	9,142	17,571	103,666	114	103,779
Engineering	128	2,232	950	1,073	4,382	552	4,934
Environment/Health/Safety	1,480	-	-	-	1,480	39	1,518
Earth Sciences	42,882	3,353	1,869	9,214	57,319	-	57,319
Facilities	938	-	-	-	938	35,517	36,455
Genomics - JGI	67,048	-	-	598	67,646	-	67,646
Genomics	1	-	4,894	2,525	7,419	-	7,419
Information Technology	1,931	-	-	150	2,081	-	2,081
Life Sciences	8,081	-	28,444	4,578	41,104	19	41,123
Materials Sciences	64,502	514	2,193	8,927	76,136	2,173	78,309
Nuclear Science	20,283	5,311	6,650	2,009	34,253	2,940	37,193
Physical Biosciences	51,280	453	3,797	5,731	61,261	815	62,076
Physics	47,155	300	604	149	48,209	74	48,283
Protective Services	1,442	-	-	-	1,442	-	1,442
Lab Directorate/Other	1,345	49	-	-	1,394	-	1,394
Other	-	64	-	-	64	-	64
Division Total	**612,968**	**17,537**	**62,538**	**57,315**	**750,359**	**68,882**	**819,242**

Note: Minor variances may occur due to rounding.

Table 1.2c

Costs by Direct Funding Source by Division, FY2012 ($K)

Division	FY2012						
	DOE Operating	DOE Integrated Contractors Costs	WFO Federal	WFO Non-Federal	Operating Subtotal	Capital and Equipment	Total
Accelerator & Fusion Research	24,493	1,115	1,768	490	27,867	15,718	43,585
Advanced Light Source	58,387	69	-	1,010	59,466	10,892	70,357
Chemical Sciences	17,302	49	312	315	17,979	-	17,979
Computing Sciences	119,388	2,142	2,724	1,232	125,485	264	125,749
Environmental Energy Technologies	74,951	2,841	10,011	18,512	106,315	691	107,006
Engineering	618	1,155	982	770	3,524	-	3,524
Environment/Health/Safety	2,501	-	-	-	2,501	859	3,360
Earth Sciences	39,490	2,005	2,740	11,164	55,399	-	55,399
Facilities	6,101	-	-	-	6,101	31,742	37,843
Genomics - JGI	70,069	-	4	676	70,749	1,306	72,055
Genomics	11	-	4,621	1,319	5,951	-	5,951
Information Technology	2,636	-	-	145	2,781	-	2,781
Life Sciences	10,581	-	33,245	4,943	48,769	616	49,384
Materials Sciences	67,192	102	3,221	8,529	79,044	2,507	81,551
Nuclear Science	26,821	2,679	5,185	1,283	35,969	2,840	38,809
Physical Biosciences	50,639	259	3,656	6,555	61,109	876	61,986
Physics	37,739	910	217	398	39,264	1,369	40,633
Lab Directorate/Other	1,030	58	-	0	1,088	-	1,088
Other	-	52	-	-	52	-	52
Division Total	**609,950**	**13,437**	**68,687**	**57,340**	**749,413**	**69,680**	**819,093**
Note: Minor variances may occur due to rounding.							

Table 1.2d

Costs by Direct Funding Source by Division, FY2011 ($K)

Division	FY2011						
	DOE Operating	DOE Integrated Contractors Costs	WFO Federal	WFO Non-Federal	Operating Subtotal	Capital and Equipment	Total
Accelerator & Fusion Research	21,528	1,055	1,781	977	25,341	27,328	52,669
Advanced Light Source	51,267	137	-	879	52,283	11,170	63,453
Chemical Sciences	15,068	120	2,042	45	17,275	691	17,965
Computing Sciences	133,114	2,236	2,593	2,365	140,308	3,007	143,316
Information Technology	2,400	-	-	154	2,554	1,016	3,570
Environmental Energy Technologies	78,124	2,940	7,202	13,763	102,029	693	102,721
Engineering	162	871	1,666	1,022	3,721	293	4,014
Environment/Health/Safety	2,504	-	-	-	2,504	-	2,504
Earth Sciences	39,342	1,962	2,754	10,565	54,622	928	55,550
Facilities	8,362	-	-	-	8,362	28,088	36,450
Genomics	134	-	4,673	1,553	6,360	-	6,360
Genomics - JGI	63,172	-	132	757	64,061	2,962	67,023
Life Sciences	10,656	-	38,878	9,110	58,644	474	59,118
Materials Sciences	59,974	72	2,775	6,441	69,261	7,137	76,397
Nuclear Science	22,392	1,826	3,680	937	28,834	8,919	37,753
Physical Biosciences	52,004	325	3,562	6,013	61,904	4,024	65,928
Physics	31,622	179	358	1,474	33,633	6,586	40,219
Lab Directorate/Other	978	13	-	0	991	-	991
Other	-	92	-	-	92	-	92
Division Total	**592,803**	**11,828**	**72,095**	**56,054**	**732,780**	**103,315**	**836,095**

Note: Minor variances may occur due to rounding.

Table 1.2e

Costs by Direct Funding Source by Division, FY2010 ($K)

Division	FY2010						
	DOE Operating	DOE Integrated Contractors Costs	WFO Federal	WFO Non-Federal	Operating Subtotal	Capital and Equipment	Total
Accelerator & Fusion Research	20,545	828	1,791	1,251	24,415	14,760	39,175
Advanced Light Source	49,856	185	0	1,659	51,700	5,955	57,656
Chemical Sciences	14,198	12	1,906	47	16,163	1,552	17,715
Computing Sciences (a)	106,470	2,545	1,502	1,250	111,768	16,355	128,123
Computational Research (a)	-	-	-	-	-	-	-
NERSC Center (a)	-	-	-	-	-	-	-
Information Technology (a)	2,687	-	-	86	2,774	606	3,380
Environmental Energy Technologies	58,187	2,489	7,382	13,390	81,448	1,045	82,493
Engineering	221	977	2,770	1,152	5,120	808	5,929
Environment/Health/Safety	2,806	0	-	-	2,806	-	2,806
Earth Sciences	30,766	1,345	3,325	8,582	44,017	283	44,300
Facilities	20,275	-	-	-	20,275	44,023	64,299
Genomics	542	-	4,183	1,270	5,994	-	5,994
Genomics - JGI	70,087	-	121	1,555	71,762	5,612	77,375
Life Sciences	10,558	-	40,663	10,151	61,372	919	62,290
Materials Sciences	53,532	191	2,288	5,871	61,882	10,840	72,722
Nuclear Science	20,564	293	3,255	2,380	26,492	8,106	34,598
Physical Biosciences	51,004	942	4,433	6,180	62,560	3,699	66,258
Physics	28,840	1,091	149	1,359	31,439	13,311	44,751
Lab Directorate/Other	1,092	19	-	-	1,111	-	1,112
Other	-	88	-	-	88	-	88
Division Total	**542,228**	**11,007**	**73,768**	**56,184**	**683,187**	**127,875**	**811,062**

Note: Minor variances may occur due to rounding.

(a) Computational Research, NERSC Center as well as the ESnet portion of Information Technology became part of Computing Sciences in FY2006.

Table 1.3

Indirect Budget Costs by Division, FY2014 ($K)

Division/ALD	Distributed Support Costs			Institutional Costs						Total (a)
	ALD/ Org. Burden	Service Centers (b)	Other (c)	LDRD	IGPP	G&A	Procurement Burden	Site Support	Travel Burden	
Accelerator & Fusion Research	1,635	-	237	1,211	-	-	-	-	-	3,084
Advanced Light Source	2,433	-	-	1,856	-	-	-	-	-	4,289
Chief Financial Officer Organization	-	72	-	-	-	19,169	10,479	-	1,406	31,126
Chemical Sciences	1,783	-	-	1,422	-	-	-	-	-	3,205
Computing Sciences	5,992	-	-	3,671	-	-	-	-	-	9,663
Environmental Energy Technologies	6,800	2,530	-	1,981	-	-	-	-	-	11,311
Engineering	5,274	1,457	-	620	-	1,031	-	1,513	-	9,895
Environment/Health/Safety	-	-	-	-	-	-	-	19,724	-	19,724
Earth Sciences	4,192	49	-	2,554	-	-	-	-	-	6,795
Facilities	3,938	13,146	-	-	2,392	-	1,827	47,039	-	68,342
Genomics	575	-	-	551	-	-	-	-	-	1,127
Genomics - JGI	-	5,010	-	763	-	-	-	-	-	5,773
Information Technology	2,714	7,036	-	-	-	24,316	56	3,974	15	38,111
Lab Directorate	-	-	-	414	-	15,712	-	-	-	16,126
Life Sciences	4,046	745	-	2,344	-	-	-	-	-	7,134
Materials Sciences	4,084	250	-	2,003	-	-	-	-	-	6,337
Nuclear Science	1,720	(0)	-	616	-	-	-	-	-	2,336
ALD for Operations	-	4,496	-	-	-	17,042	-	1,496	-	23,034
Physical Biosciences	3,272	7,418	-	1,985	-	-	-	-	-	12,676
Physics	1,861	-	-	1,566	-	-	-	-	-	3,427
Protective Services	-	-	-	-	-	-	-	9,577	-	9,577
Other (d)	-	-	-	-	-	6,549	-	-	-	6,549
Biosciences ALD	852	-	-	-	-	-	-	-	-	852
Energy Sciences ALD	517	-	-	-	-	-	-	-	-	517
Computing Sciences ALD	174	-	-	-	-	-	-	-	-	174
Energy Technologies ALD	234	-	-	-	-	-	-	-	-	234
Physical Sciences ALD	213	-	-	-	-	-	-	-	-	213
Division/ALD Total	**52,310**	**42,209**	**237**	**23,558**	**2,392**	**83,818**	**12,362**	**83,323**	**1,421**	**301,631**

Note: Minor variances may occur due to rounding.

(a) Summation of indirect budget costs provided only to show magnitude of dollars being managed and does not equate to total indirect costs since there are overlaps between indirect budgets. For example, some organization burden costs are included in G&A and Recharges.

(b) Service Centers includes recharge cost centers that default to B&R YN01 (project type OHRCH) only and GSRA pass through cost.

(c) Includes: LBNL's Office of Homeland Security (formerly known as Nuclear Non-Proliferation).

(d) Includes: UC Management Fee (General Laboratory).

Table 1.4

Average FTE Breakdown by Division, FY2014

Division	Direct Funded FTEs				Indirect Funded FTEs				Total FTEs
	DOE Operating	WFO (a)	Capital & Equipment	Direct Funded Total	Org. Burden	Service Centers (b)	Operations Overhead (c)	Indirect Funded Total	
Accelerator & Fusion Research	46.5	16.4	21.8	84.7	8.1	-	5.3	13.4	98.1
Advanced Light Source	177.1	2.5	18.6	198.2	13.0	-	6.1	19.1	217.3
Chief Financial Officer Organization	-	0.0	-	0.0	-	0.2	149.4	149.5	149.5
Chemical Sciences	88.7	9.8	-	98.5	10.1	-	8.9	19.0	117.5
Computing Sciences	191.7	8.0	-	199.7	35.6	-	13.4	49.1	248.8
Environmental Energy Technologies	215.4	73.8	-	289.2	36.5	17.1	7.7	61.2	350.4
Engineering	0.4	13.0	0.0	13.4	24.6	6.8	12.4	43.9	57.3
Environment/Health/Safety	0.0	0.0	0.0	0.1	-	-	93.8	93.8	93.9
Earth Sciences	131.1	48.2	-	179.3	20.6	0.1	9.5	30.1	209.4
Facilities	5.9	-	6.4	12.3	20.4	2.8	156.8	180.0	192.3
Genomics	-	25.3	-	25.3	3.7	-	2.5	6.2	31.5
Genomics - JGI	198.5	3.0	-	201.6	0.0	8.1	5.3	13.4	214.9
Information Technology	6.7	-	-	6.7	11.3	16.9	89.7	117.9	124.6
Lab Directorate	0.0	0.0	-	0.1	-	-	58.9	58.9	58.9
Life Sciences	21.9	95.4	-	117.3	28.2	4.8	10.8	43.8	161.0
Materials Sciences	238.1	43.5	-	281.7	19.3	1.4	7.8	28.6	310.2
Nuclear Science	63.8	36.4	2.2	102.4	11.2	0.1	3.6	14.9	117.3
ALD for Operations	2.7	-	-	2.7	-	9.3	90.3	99.6	102.3
Physical Biosciences	151.3	35.0	-	186.3	19.9	15.5	11.0	46.4	232.8
Physics	91.1	2.0	-	93.1	12.1	-	5.5	17.6	110.7
Protective Services	5.8	-	0.6	6.4	-	-	19.3	19.3	25.7
Biosciences ALD	-	-	-	-	2.6	-	-	2.6	2.6
Energy Sciences ALD	-	-	-	-	2.7	-	-	2.7	2.7
Computing Sciences ALD	-	-	-	-	1.0	-	-	1.0	1.0
Energy Technologies ALD	-	-	-	-	0.3	-	-	0.3	0.3
Physical Sciences ALD	-	-	-	-	0.8	-	-	0.8	0.8
Division Total	**1,636.9**	**412.2**	**49.7**	**2,098.8**	**282.0**	**82.9**	**768.1**	**1,133.0**	**3,231.8**

Notes:
- Minor variances may occur due to rounding.
- FTEs are calculated based on translating labor hours charged into work-months and dividing by division's PLF factor.
- FTE calculation does not include Contract Labor or Campus Labor.
- Total FTE excludes 51.8 FTEs from non-contract projects (CSR, IJE, IPA, MLA, Royalties, and UC Construction Projects).

(a) WFO includes DOE Integrated Contractors, Non-DOE Fellowships, and CRADAs.
(b) Service Centers includes recharge cost centers that default to B&R YN01 (project type OHRCH) only.
(c) Operations Overhead includes: G&A, LDRD, Site Support, Payroll Burden, Procurement, Travel, IGPP, S&S, and LBNL's Office of Homeland Security.

Table 1.5

Funds Held for Others Cost Trends, FY2010 - FY2014 ($K)

Funding Source	FY2010	FY2011	FY2012	FY2013	FY2014
Royalty	2,153	2,037	4,080	3,508	3,420
Contractor-Funded Institutional Supporting R&D & Gifts	2,894	2,615	2,948	3,164	3,381
Inter-Location Appointments (ILA)	3,233	3,033	3,689	2,198	3,215
UC Construction Projects	358	950	1,030	1,188	1,887
Other	5	58	78	79	109
Total	**8,643**	**8,693**	**11,825**	**10,137**	**12,012**

Note 1: FY2010-FY2012 figures have been restated to properly reflect cost trends by excluding gift assessment fees from Contractor-Funded Institutional Supporting R&D and Gifts, and UC question costs from Other.

Note 2: Increase of $1M in Inter-Location Appointments (ILA) spending is primarily due to the increase of UC Berkeley awards for Life Sciences of $600K and Computational Research of $300K.

2. Direct Funding — DOE & Reimbursable Work

Total Laboratory Funding

Total Laboratory Funding - $9.0M Decrease

Total funding decreased by $9.0M or 1.1% to $784M in FY2014. This change is primarily due to a $10.1M decrease of Non-ARRA Work for Other Federal Agencies and Work for Non-Federal Sponsors, offset by a $2.3M increase in DOE Direct Operating, Plant & Capital Equipment Funding. ARRA funds also contributed to the decrease with a $1.1M drop in funding for Work for Non-Federal Sponsors.

Type	FY2013 ($M)	FY2014 ($M)	Delta ($M)
Non- ARRA	$791	$783	($8)
ARRA	$2	$1	($1)
Total	**$793**	**$784**	**($9)**

DOE Direct Operating, Plant & Capital Equipment Funding – $2.3M, Increase

DOE Direct Operating, Plant & Capital Equipment funding provides for the execution of research and development (R&D) efforts, purchase of equipment, accelerator improvement projects, general plant projects and line item construction projects. Total funding remained relatively flat with a slight increase of 0.4% in FY2014. This almost flat change is due to an increase of funds in Office of Science (SC) offset by a decrease of funds in Energy Efficiency and Renewable Energy (EERE), National Nuclear Security Administration (NNSA), and Advanced Research Projects Agency – Energy (ARPA-E). No funding was received for Construction projects in FY2014.

Office of Science
Office of Science Operating, Plant & Capital Equipment funding increased $22.1M or 4.2% in FY2014. The notable changes were:

- $11.1M increase in Advanced Scientific Computing Research (ASCR) with $7.5M allocated to NERSC, ESnet, and Design Forward projects and the remaining net increase of $3.6M in the areas of Mathematical, Computational, and Computer Sciences Research
- $10.2M increase in Biological & Environmental Research (BER) with $4.6M allocated to the Joint Genome Institute (JGI) and the remaining net increase of $5.6M to projects related to Ameriflux, NGEE Tropics and others in Climate and Environmental Sciences

Energy Efficiency and Renewable Energy
Energy Efficiency and Renewable Energy (EERE) Operating, Plant & Capital Equipment funding decreased $8.9M or 11.4% in FY2014. The notable changes were:

- $5.3M decrease in Vehicle Technologies primarily in the area of Batteries and Electric Drive Technology due to completion of the Integrated Lab/Industry Research Project (ILIRP), Electrolytes research no longer receiving funds, and Advanced Battery Research (ABR) projects receiving multi-year funds in FY2013
- $3.7M decrease in Building Technologies largely in the areas of Commercial Building Integration, and Emerging Technologies projects including Lighting and Window technology

Other DOE
Funding from various other DOE programs in FY2014 decreased by $10.8M or 19.3%. The notable changes were:

- $7.2M decrease in National Nuclear Security Administration (NNSA) due to the Design Forward program receiving FY2014 funds from Office of Science rather than NNSA, and Berkeley Lab no longer receiving funds directly from NNSA for ESnet-related projects, but rather as an Integrated Contractor
- $3.1M decrease in Advanced Research Projects Agency - Energy (ARPA-E) projects

Other Direct Operating Funding – $11.3M, Decrease

Total Other Direct Operating funding decreased $11.3M or 8.1% in FY2014. The decrease was driven by a drop in funding received from Other Federal and Non-Federal sponsors.

Other Federal Sponsors
Other Federal Sponsors funding decreased by $6.7M. The notable changes were:

- $4.0M decrease in funding from Department of Defense (DOD) due to an Award for cancer research and development that was fully funded in FY2013 for a five year performance period
- $3.4M decrease in funding from the Department of Health and Human Services due to a drop in funding by National Institute of Health (NIH), and the completion of a project funded by the Biomedical Advanced Research and Development Authority (BARDA)
- $1.7M increase in funding for Department of Home-

Total Laboratory Funding Continued

land Security - Domestic Nuclear Detection Office for a new research and development project in radiation detector materials

Non-Federal Sponsors
Non-Federal Agencies funding decreased by $5.8M. The notable changes were:

- $7.5M decrease in funding from State and Local Governments and Non-Profit Organizations
- $1.2M decrease due to the majority of active ARRA projects from FY2013 reaching completion and remaining balances deobligated in FY2014
- $4.0M increase in funding from Private Industries for research and development

Work Performed for Other DOE Integrated Contractors
Work Performed for Other DOE Integrated Contractors increased $1.3M. The notable changes were:

- $3.2M increase from eight new subcontracts funded by National Nuclear Security Administration (NNSA) for ESnet projects
- $2.8M increase in a subcontract from SLAC National Accelerator Laboratory to provide engineering expertise and support for the Linac Coherent Light Source (LCLS-II) project
- $2.5M decrease in a subcontract from Brookhaven National Laboratory to collaborate on the STAR Heavy Flavor Tracker Project
- $2.0M combined decrease in subcontracts from other laboratories such as NREL, Oak Ridge National Laboratory, and Sandia National Laboratory

Data Sources for Tables in this section are as follows:

Data Type	Source
FY2014 Beginning Uncosted Obligations	Carryover Funding as provided in the LBNL final FY2013 Contract Modification
FY2014 Funds	Budget Authority as provided in the LBNL contract modification for the fiscal year
FY2014 Costs	LBNL published Year End Costs
FY2014 Ending Uncosted Obligations	DOE – Beginning Uncosted + Funds – Costs WFO – The sum of FY2014 Beginning Uncosted, FY2014 Funds and FY2014 Costs for the "Other Direct Operating" categories does not equal FY2014 Ending Uncosted Obligations due to various adjustments not reflected in the FY2014 Costs column. Examples of these adjustments include Bridge Funding, suspense items, and Federal Administrative Charge. The total of these adjustments for FY2014 is ($-1,638K).

Total Laboratory Costs

Total Laboratory Costs – $34.3M Decrease

Total costs decreased by $34.3M or 4.2% from FY2013. This change is primarily due to a $22M decrease in ARRA Direct Operating, Plant & Equipment costs. Non-ARRA costs also contributed to a $12M combined decrease between Direct Operating, Plant & Equipment costs and Other Direct Operating costs.

Type	FY2013 ($M)	FY2014 ($M)	Delta ($M)
Non-ARRA	$785	$773	($12)
ARRA	$34	$12	($22)
Total	**$819**	**$785**	**($34)**

DOE Direct Operating, Plant & Capital Equipment Costs – $32.3M Decrease

Total costs decreased by 4.7% in FY2014. This is due to a significant decrease in costs in Office of Science, mainly Construction projects, offset by a small increase in costs in Energy Efficiency and Renewable Energy (EERE), and Environmental Management.

Office of Science
Office of Science Operating, Plant & Capital Equipment costs decreased by $35M or 6.2% from FY2013. The notable changes were:

- $23.2M decrease in Construction costs primarily due to the substantial completion of Seismic Life-Safety, Modernization and Replacement of General Purpose Building, Phase 2
- $10.6M decrease in ARRA costs particularly in the Advanced Scientific Computing Research (ASCR) areas of High Performance Computing and Network Facilities
- $9.2M decrease of Plant & Capital Equipment costs primarily due to the completion of Non-ARRA projects supporting the Center for Beam Physics (CBP), and the completion of ARRA Accelerator Improvement Projects supporting the Advanced Light Source (ALS) ($3.6M)
- $4.6M increase in projects related to Chemical Sciences, Geosciences, and Energy Biosciences specifically within the Joint Center for Artificial Photosynthesis (JCAP)
- $2.7M increase in Climate and Environmental Science projects related to Ameriflux and NGEE Tropics

Office of Energy Efficiency and Renewable Energy
Energy Efficiency and Renewable Energy (EERE) Operating, Plant & Capital Equipment costs increased $1.6M or 2.1%. The notable changes were:

- $4.9M decrease in EERE ARRA-funded projects primarily due to the substantial completion of the National User Test Bed Facility/FLEXLAB
- $4.6M increase in Building Technologies, primarily in the Equipment and Building Standards and Commercial Buildings Integration projects related to Appliance Standards
- $1.2M increase in Biomass/Biofuels Energy Systems projects related to the Advanced Biofuels Process Demonstration Unit (ABPDU)

Other DOE
Other DOE Direct Operating, Plant & Capital Equipment costs increased $1.1M or 3.0%. The notable changes were:

- $3.1M increase in Non-ARRA costs in Environmental Management primarily due to the Old Town Demolition project ramping up
- $2.3M decrease in ARRA costs primarily due to the completion of projects related to ARPA-E and Fossil Energy

Other Direct Operating Costs – 2.0M Decrease

Other Direct Operating Costs decreased by $2.0M or 1.5% in FY2014. The notable changes were:

- $1.8M decrease in Other Federal Agencies
- $1.4M decrease in Work for Other Federal Sponsors
- $1.3M increase in DOE Integrated Contractor costs due to new subcontracts with National Nuclear Security Administration for ESnet

Table 2.1

LBNL Funding Trends (BA) by Funding Source ($K)

Funding Source ($K)	FY2010	FY2011	FY2012	FY2013	FY2014 (a)
DOE DIRECT OPERATING					
Administrator for National Nuclear Security Administration	7,082	6,204	7,009	14,399	7,187
Advanced Research Projects Agency - Energy	5,297	-	2,993	4,131	993
Assistant Secretary for Energy Efficiency and Renewable Energy	98,411	66,410	65,678	78,423	69,471
Assistant Secretary for Environmental Management	2,675	2,741	1,371	20,523	18,824
Assistant Secretary for Fossil Energy	13,750	7,297	8,316	5,215	6,384
Assistant Secretary for Nuclear Energy	1,545	3,104	2,877	2,930	3,040
Assistant Secretary for Policy and International Affairs	741	108	50	200	425
Loan Programs Office	-	-	-	15	(0)
Office of Civilian Radioactive Waste Management	(1)	(2)	-	-	-
Office of Electricity Delivery and Energy Reliability	10,042	7,998	8,743	8,485	7,873
Office of Energy and Threat	(65)	-	109	138	177
Office of Energy Policy & Systems Analysis	-	-	-	-	200
Office of Health Safety and Security	150	20	57	34	48
Office of Indian Energy Policy & Programs	-	-	-	-	229
Office of Legacy Management	-	-	-	150	-
Office of Management	-	1	-	-	(1)
Office of Science	448,488	475,423	497,738	506,725	527,907
Office of the Chief Information Officer	460	(137)	-	-	-
Total DOE Direct Operating	**588,576**	**569,167**	**594,941**	**641,370**	**642,758**
OTHER DIRECT OPERATING (b)					
Work for Other Federal Agencies	68,928	68,960	56,401	62,667	55,953
Work for Non-Federal Sponsors (c)	58,998	50,240	53,460	57,737	51,967
Cooperative Research and Development Agreements	482	1,220	417	1,192	1,019
Work for Other DOE Integrated Contractors (d)	11,007	11,828	13,437	17,537	18,884
Total Other Direct Operating	**139,413**	**132,249**	**123,716**	**139,132**	**127,824**
TOTAL OPERATING	**727,989**	**701,416**	**718,657**	**780,502**	**770,582**

Note: Minor variances may occur due to rounding.
Data Source: Budget Authority as provided in the Berkeley Lab final contract modification for the fiscal year.
(a) Includes funding for American Recovery and Reinvestment Act (ARRA) in FY2014:
The FY2014 ARRA funds received were categorized as: Operating ($1,468K) and Plant and Equipment ($-1K). See Table 3.1 for details.
(b) FY2010, FY2011, FY2012 and FY2013 ARRA National Institutes of Health (NIH) and National Science Foundation (NSF) awards were obligated to Berkeley Lab by DOE as work for a Non-Federal entity to accommodate OMB apportionment requirements for ARRA. For reporting consistency with prior and future years, all NIH and NSF funding and cost data is reflected under the Work for Other Federal Agencies category.
(c) Includes funding for Non-Federal Sponsors who are precluded by law from paying an advance under the WN02 program.
(d) Total funding for Work for Other Integrated Contractors is assumed to be equal to cost incurred.

continued...

Table 2.1

LBNL Funding Trends (BA) by Funding Source ($K) Continued

Funding Source ($K)	FY2010	FY2011	FY2012	FY2013	FY2014 (a)
DOE PLANT AND CAPITAL EQUIPMENT					
Basic Equipment/Major Items of Equipment					
Administrator for National Nuclear Security Administration	-	77	-	(0)	-
Assistant Secretary for Energy Efficiency and Renewable Energy	8,482	1,200	-	-	(0)
Office of Science	53,902	34,904	10,612	11,081	12,514
Total DOE Capital Equipment	**62,384**	**36,181**	**10,612**	**11,080**	**12,514**
GENERAL PLANT PROJECTS					
Office of Science	1,499	1,032	-	1,250	(13)
ACCELERATOR IMPROVEMENT PROJECTS					
Office of Science	5,320	2,300	3,000	550	1,250
LINE-ITEM CONSTRUCTION					
Assistant Secretary for Energy Efficiency and Renewable Energy	15,700	-	-	-	-
Office of Science	34,025	20,063	12,972	(2)	(8)
Total DOE Plant	**56,544**	**23,395**	**15,972**	**1,798**	**1,228**
TOTAL DOE PLANT AND CAPITAL EQUIPMENT	**118,928**	**59,576**	**26,584**	**12,878**	**13,742**
TOTAL LABORATORY	**846,917**	**760,992**	**745,241**	**793,380**	**784,324**

Note: Minor variances may occur due to rounding.
Data Source: Budget Authority as provided in the Berkeley Lab final contract modification for the fiscal year.
(a) Includes funding for American Recovery and Reinvestment Act (ARRA) in FY2014:
The FY2014 ARRA funds recieved were categorized as: Operating ($1,468K) and Plant and Equipment ($-1K).
See Table 3.1 for details.

Table 2.2

LBNL Cost Trends by Funding Source ($K)

Funding Source	FY2010	FY2011	FY2012	FY2013	FY2014 (a)
DOE DIRECTION OPERATING					
Administrator for National Nuclear Security Administration	7,232	6,105	7,026	9,310	9,886
Advanced Research Projects Agency - Energy	30	1,966	2,517	3,651	3,074
Assistant Secretary for Energy Efficiency and Renewable Energy	57,400	78,939	71,739	68,584	75,239
Assistant Secretary for Environmental Management	1,969	3,251	1,842	2,138	5,327
Assistant Secretary for Fossil Energy	6,969	11,182	9,624	9,817	6,586
Assistant Secretary for Nuclear Energy	1,485	2,733	3,091	3,072	2,574
Assistant Secretary for Policy and International Affairs	96	685	98	76	330
Loan Programs Office	-	-	-	15	-
Office of Civilian Radioactive Waste Management	39	4	-	-	-
Office of Electricity Delivery and Energy Reliability	7,353	6,676	8,470	7,479	8,517
Office of Energy and Threat	38	158	132	164	168
Office of Energy Policy & Systems Analysis	-	-	-	-	200
Office of Health Safety and Security	281	31	37	40	35
Office of Indian Energy Policy & Programs	-	-	-	-	-
Office of Legacy Management	-	-	-	-	123
Office of Management	-	-	-	-	-
Office of Science	459,035	481,048	505,375	508,623	505,965
Office of the Chief Information Officer	299	24	-	-	-
Total DOE Direct Operating	**542,228**	**592,803**	**609,950**	**612,968**	**618,024**
OTHER DIRECT OPERATING					
Work for Other Federal Agencies	73,768	72,095	68,687	62,538	60,725
Work for Non-Federal Sponsors (b)	55,399	55,558	56,360	56,111	54,690
Cooperative Research and Development Agreements	785	496	980	1,204	1,095
Work for Other DOE Integrated Contractors	11,007	11,828	13,437	17,537	18,884
Total Other Direct Operating (c)	**140,959**	**139,977**	**139,464**	**137,391**	**135,394**
TOTAL OPERATING	**683,187**	**732,780**	**749,413**	**750,359**	**753,418**

Note: Minor variances may occur due to rounding.
Data Source: Berkeley Lab published Fiscal Year End Costs.
(a) Includes costs for American Recovery and Reinvestment Act (ARRA) in FY2014:
The FY2014 ARRA costs were categorized as: Operating ($7,535K) and Plant and Equipment ($3,991K). See Table 3.2 for details.
(b) Includes costs for Non-Federal Sponsors who are precluded by law from paying an advance under the WN02 program.
(c) FY2014 costs do not include various adjustments. Examples of these adjustments include bridge funding, suspense items, and DOE's Federal Administrative Charge. The total of these adjustments for FY2014 is ($-1,638K).

continued...

Table 2.2

LBNL Cost Trends by Funding Source ($K) Continued

Funding Source	FY2010	FY2011	FY2012	FY2013	FY2014 (a)
DOE PLANT AND CAPITAL EQUIPMENT					
Basic Equipment/Major Items of Equipment					
Administrator for National Nuclear Security Administration	159	140	-	-	-
Assistant Secretary for Energy Efficiency and Renewable Energy	870	5,372	1,567	742	-
Office of Science	80,815	64,165	28,306	24,773	20,004
Total DOE Capital Equipment	**81,844**	**69,677**	**29,874**	**25,515**	**20,004**
GENERAL PLANT PROJECTS					
Office of Science	11,853	454	3,220	1,769	552
ACCELERATOR IMPROVEMENT PROJECTS					
Office of Science	1,865	5,444	6,985	6,622	3,430
LINE-ITEM CONSTRUCTION					
Assistant Secretary for Energy Efficiency and Renewable Energy	91	1,151	2,036	8,262	3,991
Office of Science	32,223	26,589	27,565	26,715	3,521
Total DOE Plant	**46,031**	**33,638**	**39,807**	**43,368**	**11,495**
TOTAL DOE PLANT AND CAPITAL EQUIPMENT	**127,875**	**103,315**	**69,680**	**68,882**	**31,499**
TOTAL LABORATORY (b) (c)	**811,062**	**836,095**	**819,093**	**819,242**	**784,917**

Note: Minor variances may occur due to rounding.
Data Source: Berkeley Lab published Fiscal Year End Costs.
(a) Includes costs for American Recovery and Reinvestment Act (ARRA) in FY2014:
The FY2014 ARRA costs were categorized as: Operating ($7,535K) and Plant and Equipment ($3,991K). See Table 3.2 for details.
(b) Includes costs for Non-Federal Sponsors who are precluded by law from paying an advance under the WN02 program.
(c) FY2014 costs do not include various adjustments. Examples of these adjustments include bridge funding, suspense items, and DOE's Federal Administrative Charge. The total of these adjustments for FY2014 is ($-1,638K).

Table 2.3

LBNL Funding and Costs by Funding Source ($K)

Funding and Cost by Source	FY2014 Beginning Uncosted Obligations	FY2014 Funds	FY2014 Costs	FY2014 Ending Uncosted Obligations
DOE DIRECT OPERATING				
Administrator for National Nuclear Security Administration	8,153	7,187	9,886	5,453
Advanced Research Projects Agency - Energy	4,272	993	3,074	2,191
Office of Electricity Delivery & Energy Reliability	12,599	7,873	8,517	11,955
Assistant Secretary for Energy Efficiency & Renewable Energy	66,291	69,471	75,239	60,523
Assistant Secretary for Environmental Management	19,164	18,824	5,327	32,662
Assistant Secretary for Fossil Energy	10,016	6,384	6,586	9,814
Assistant Secretary for Nuclear Energy	561	3,040	2,574	1,027
Assistant Secretary for Policy & International Affairs	242	425	330	337
Loan Programs Office	0	(0)	-	-
Office of Energy & Threat	54	177	168	64
Office of Energy Policy & Systems Analysis	-	200	200	0
Office of Health, Safety & Security	22	48	35	34
Office of Indian Energy Policy & Programs	-	229	-	229
Office of Legacy Management	150	-	123	27
Office of Management	1	(1)	-	-
Office of Science	223,343	527,907	505,965	245,285
Total DOE Direct Operating	**344,867**	**642,758**	**618,024**	**369,601**
OTHER DIRECT OPERATING				
Work for Other Federal Agencies	52,754	55,953	60,725	48,727
Work for Non-Federal Sponsors (a)	28,038	51,967	54,690	26,191
Cooperative Research and Development Agreements	553	1,019	1,095	495
Work for Other DOE Integrated Contractors (b)	-	18,884	18,884	-
Total Other Direct Operating (c)	**81,345**	**127,824**	**135,394**	**75,412**
TOTAL OPERATING	**426,212**	**770,582**	**753,418**	**445,013**

Note: Minor variances may occur due to rounding.
Data Source: Berkeley Lab published Fiscal Year End Costs.
(a) Includes funding for Non-Federal Sponsors who are precluded by law from paying an advance under the WN02 program.
(b) Total funding for Work for Other Integrated Contractors is assumed to be equal to cost incurred.
(c) The sum of FY2014 Beginning Uncosted Obligations, FY2014 Funds, minus, FY2014 Costs does not equal FY2014 Ending Uncosted Obligations due to various adjustments not reflected in the FY2014 Costs column. Examples of these adjustments include bridge funding, suspense items, and DOE's Federal Administrative Charge. The total of these adjustments for FY2014 is ($-1,638K).

continued...

Table 2.3

LBNL Funding and Costs by Funding Source ($K) Continued

Funding and Cost by Source	FY2014 Beginning Uncosted Obligations	FY2014 Funds	FY2014 Costs	FY2014 Ending Uncosted Obligations
DOE PLANT AND EQUIPMENT				
Basic Equipment/Major Items of Equipment				
Assistant Secretary for Energy Efficiency & Renewable Energy	0	(0)	-	0
Office of Science	25,803	12,514	20,004	18,313
Total Capital Equipment	**25,804**	**12,514**	**20,004**	**18,313**
GENERAL PLANT PROJECTS				
Office of Science	1,150	(13)	552	584
ACCELERATOR IMPROVEMENT PROJECTS				
Office of Science	4,825	1,250	3,430	2,645
LINE-ITEM CONSTRUCTION				
Assistant Secretary for Energy Efficiency & Renewable Energy	4,161	-	3,991	170
Office of Science	3,707	(8)	3,521	177
Total DOE Plant	**13,843**	**1,228**	**11,495**	**3,576**
TOTAL DOE PLANT AND CAPITAL EQUIPMENT	**39,646**	**13,742**	**31,499**	**21,889**
TOTAL LABORATORY (d)	**465,858**	**784,324**	**784,917**	**466,903**

Note: Minor variances may occur due to rounding.
Data Source: Berkeley Lab published Fiscal Year End Costs.
(d) Includes American Recovery and Reinvestment Act (ARRA) in FY2014: The FY2014 ARRA funds received were categorized as: Operating ($1,468K) and Plant and Equipment ($-1K). See Table 3.1 for details. The FY2014 ARRA costs were categorized as: Operating ($7,535K) and Plant and Equipment ($3,991K). See Table 3.2 for details.

Table 2.4

FY2014 Funding and Costs by DOE Programs ($K)

ADMINISTRATOR FOR NATIONAL NUCLEAR SECURITY ADMINISTRATION		FY2014 Beginning Uncosted Obligations	FY2014 Funds	FY2014 Costs	FY2014 Ending Uncosted Obligations
OPERATING					
DP15	Advanced Simulation and Computing Campaign	4,001	(1)	3,041	959
DP40	Nuclear Weapons Incident Response	-	25	13	12
FS21	Field Security - Cyber Security	0	(0)	-	-
MO01	Cyber Security	1,164	704	(756)	2,624
NN20	Nonproliferation And Verification Research And Development	2,736	6,004	7,213	1,527
NN40	Nonproliferation and International Security	252	454	375	332
Total Operating		**8,153**	**7,187**	**9,886**	**5,453**
TOTAL ADMINISTRATOR FOR NATIONAL NUCLEAR SECURITY ADMINISTRATION		**8,153**	**7,187**	**9,886**	**5,453**
Note: Minor variances may occur due to rounding.					

continued...

Table 2.4a

FY2014 Funding and Costs by DOE Programs ($K) Continued

OFFICE OF SCIENCE		FY2014 Beginning Uncosted Obligations	FY2014 Funds	FY2014 Costs	FY2014 Ending Uncosted Obligations
OPERATING					
AT50	FES - Science	54	1,511	885	679
FS10	Safeguards and Security - Science	1,570	5,658	5,429	1,799
KA11	Proton Accelerator-Based Physics	46	(8)	-	38
KA13	Non-Accelerator-Based Physics	2	(2)	-	-
KA14	Theoretical Physics	971	(19)	603	350
KA15	Advanced Technology R&D (prior to restructure)	6	(0)	5	1
KA21	Energy Frontier Experimental Physics	4,693	8,514	8,292	4,914
KA22	Intensity Frontier Experimental Physics	3,121	19,317	18,758	3,680
KA23	Cosmic Frontier Experimental Physics	5,405	13,370	12,785	5,990
KA24	Theoretical and Computational Physics	2,228	4,974	4,153	3,049
KA25	Advanced Technology R&D	5,835	16,611	16,683	5,763
KA26	Accelerator Stewardship	30	-	-	30
KB01	Medium Energy Physics	175	539	420	294
KB02	Heavy-Ion Physics	3,340	4,542	5,392	2,490
KB03	Nuclear Theory	1,857	2,683	2,951	1,589
KB04	Low Energy Physics	3,248	9,622	9,030	3,840
KC02	Materials Sciences and Engineering	15,316	24,816	28,538	11,594
KC03	Chemical Sciences, Geosciences, and Biosciences	32,781	40,833	45,952	27,663
KC04	Scientific User Facilities	16,054	86,289	86,115	16,228
KJ04	Mathematical, Computational, and Computer Sciences Research	30,929	29,965	25,647	35,246
KJ05	High Performance Computing and Network Facilities	49,995	111,757	93,497	68,255
KL10	Internships and Visiting Faculty Activities at DOE Labs	650	1,330	1,293	687
KL11	Fellowships	2	(2)	(1)	-
KP11	Life Sciences	3	(2)	1	-
KP12	Climate Change Research	77	(0)	9	69
KP15	Biological Research	196	(96)	59	41
KP16	Biological Systems Science	31,177	119,766	119,173	31,770
KP17	Climate and Environmental Sciences	13,583	25,941	20,296	19,229
Total Operating		**223,343**	**527,907**	**505,965**	**245,285**

continued...

Table 2.4a

FY2014 Funding and Costs by DOE Programs ($K) Continued

OFFICE OF SCIENCE		FY2014 Beginning Uncosted Obligations	FY2014 Funds	FY2014 Costs	FY2014 Ending Uncosted Obligations
CAPITAL EQIUPMENT					
AT50	FES - Science	-	750	-	750
KA11	Proton Accelerator-Based Physics	127	(0)	11	115
KA13	Non-Accelerator-Based Physics	1	(1)	-	-
KA15	Advanced Technology R&D (prior to restructure)	23	-	-	23
KA22	Intensity Frontier Experimental Physics	1,801	-	1,072	728
KA25	Advanced Technology R&D	504	3,275	3,046	733
KB04	Low Energy Physics	3,810	1,691	1,816	3,685
KC02	Materials Sciences and Engineering	1,920	(251)	1,418	251
KC03	Chemical Sciences, Geosciences, and Biosciences	500	290	72	718
KC04	Scientific User Facilities	8,011	4,846	7,548	5,309
KJ05	High Performance Computing and Network Facilities	6,409	(100)	5,020	1,289
KP16	Biological Systems Science	2,697	2,014	-	4,711
Total Capital Equipment (a)		**25,803**	**12,514**	**20,004**	**18,313**
GENERAL PLANT PROJECTS					
FS10	Safeguards and Security - Science	1,102	(0)	518	584
KA11	Proton Accelerator-Based Physics	13	(13)	-	-
KC04	Scientific User Facilities	34	-	34	0
KG09	General Plant Projects	0	(0)	-	-
Total General Plant Projects		**1,150**	**(13)**	**552**	**584**
ACCELERATOR IMPROVEMENT PROJECTS					
KB04	Low Energy Physics	0	(0)	-	-
KC02	Materials Sciences and Engineering	0	(0)	(0)	-
KC04	Scientific User Facilities	4,825	1,250	3,430	2,645
Total Accelerator Improvement Projects		**4,825**	**1,250**	**3,430**	**2,645**
LINE-ITEM CONSTRUCTION					
39KG	Science Laboratories Infrastructure	3,707	(8)	3,521	177
Total Line-item Construction		**3,707**	**(8)**	**3,521**	**177**
TOTAL DOE PLANT		**9,682**	**1,228**	**7,504**	**3,406**
TOTAL OFFICE OF SCIENCE		**258,828**	**541,649**	**533,473**	**267,004**

Note: Minor variances may occur due to rounding.
(a) Includes Institutional General Purpose Equipment activity.

continued...

Table 2.4b

FY2014 Funding and Costs by DOE Programs ($K) Continued

ASSISTANT SECRETARY FOR ENERGY EFFICIENCY AND RENEWABLE ENERGY		FY2014 Beginning Uncosted Obligations	FY2014 Funds	FY2014 Costs	FY2014 Ending Uncosted Obligations
OPERATING					
BM01	Biomass/Biofuels Energy Systems	4,566	4,564	4,478	4,652
BR01	EE Departmental Admin, Rec Act	1,608	-	564	1,045
BT01	Residential Buildings Integration	1,096	2,228	2,226	1,097
BT02	Commercial Buildings Integration	11,632	6,881	8,063	10,451
BT03	Emerging Technologies	6,119	5,438	6,816	4,741
BT04	Equipment and Buildings Standards	12,817	19,105	18,451	13,472
BT07	Technology Validation and Market Introduction	35	(0)	34	-
BT08	EE Building Systems Design Energy Innovation Hubs	-	16	-	16
EB21	Solar Energy	146	(1)	117	28
EB25	Wind Energy Systems	11	(1)	3	7
EB36	Facilities and Infrastructure	5	-	-	5
EB40	Geothermal Technologies	2,204	(6)	1,233	965
EB42	Hydrogen Research R&D	141	(2)	118	21
EB51	Energy Efficiency and Renewable Energy Program Direction	1,515	-	1,125	390
EB57	Energy Efficiency and Renewable Energy (EERE) Program Support	217	(1)	171	46
ED19	Industries Of The Future (Crosscutting)	100	(1)	70	29
ED20	Industrial Technical Assistance	782	2,610	2,044	1,348
ED27	Next Generation Manufacturing Processes	0	850	308	543
ED28	Next Generation Materials	186	-	29	157
EL17	Federal Energy Management Program	2,905	3,568	3,479	2,995
GT01	Enhanced Geothermal Systems	3,578	3,591	2,015	5,153
GT02	Low Temperature and Co-produced Rescourc	-	500	-	500
GT03	Innovative Exploration Technologies	1,111	1,160	1,279	992
HT01	Fuel Cell Systems R&D	1,556	1,270	1,914	912
HT02	Hydrogen Fuel R&D	485	1,000	599	885
HT07	Manufacturing R&D	29	250	150	129
PG03	Strategic Priorites and Impact Analysis	920	1,410	980	1,350
PG05	International	291	925	487	728
SL01	Concentrating Solar Power	232	-	211	21
SL02	Photovoltaic R&D	638	308	608	338
SL04	Market Transformation (Standards/Operability/Training)	711	1,399	1,255	855
VT02	Outreach, Deployment & Analysis	23	110	23	110
VT03	Hybrid and Electric Propulsion	0	(0)	-	-
VT05	Materials Technology	36	275	211	99
VT11	Hybrid Electric Systems	5	(1)	1	3
VT12	Batteries and Electric Drive Technology	8,371	10,397	13,695	5,073
VT13	Vehicle & Systems Simulation and Testing	-	150	3	147
WI03	State Energy Program (Grants)	973	642	852	763

continued...

Table 2.4b

FY2014 Funding and Costs by DOE Programs ($K) Continued

ASSISTANT SECRETARY FOR ENERGY EFFICIENCY AND RENEWABLE ENERGY		FY2014 Beginning Uncosted Obligations	FY2014 Funds	FY2014 Costs	FY2014 Ending Uncosted Obligations
WI04	Other State Energy Activities	60	(0)	59	1
WI05	Gateway Deployment	0	(0)	-	-
WI06	Intergovernmental Activities	151	(0)	81	70
WI07	Weatherization Assistance Program	596	200	713	83
WW02	Technology Viability	325	496	623	198
WW03	Technology Application	114	140	152	102
Total Operating		**66,291**	**69,471**	**75,239**	**60,523**
CAPITAL EQUIPMENT					
BM01	Biomass/Biofuels Energy Systems	0	-	-	0
VT12	Batteries and Electric Drive Technology	0	(0)	-	-
Total Capital Equipment		**0**	**(0)**	**0**	**0**
LINE-ITEM CONSTRUCTION					
39EB	Facilities and Infrastructure	4,161	-	3,991	170
Total Line-item Construction		**4,161**	**0**	**3,991**	**170**
TOTAL DOE PLANT		**4,161**	**(0)**	**3,991**	**170**
TOTAL ASSISTANT SECRETARY FOR ENERGY EFFICIENCY AND RENEWABLE ENERGY		**70,453**	**69,471**	**79,230**	**60,694**
Note: Minor variances may occur due to rounding.					

continued...

Table 2.4c

FY2014 Funding and Costs by DOE Programs ($K) Continued

OFFICE OF ELECTRICITY DELIVERY AND ENERGY RELIABILITY		FY2014 Beginning Uncosted Obligations	FY2014 Funds	FY2014 Costs	FY2014 Ending Uncosted Obligations
OPERATING					
TD50	Research and Development	1,527	(1)	908	618
TD54	Operations & Analysis	370	(1)	208	161
TE11	Clean Energy Transmission & Reliability	5,381	3,554	3,659	5,275
TE12	Smart Grid Research and Development	1,326	1,300	864	1,762
TE14	Energy Storage	-	267	17	250
TF00	Permitting, Siting and Analysis	3,995	2,755	2,862	3,889
Total Operating		**12,599**	**7,873**	**8,517**	**11,955**
TOTAL OFFICE OF ELECTRICITY DELIVERY AND ENERGY RELIABILITY		**12,599**	**7,873**	**8,517**	**11,955**
Note: Minor variances may occur due to rounding.					

ASSISTANT SECRETARY FOR FOSSIL ENERGY		FY2014 Beginning Uncosted Obligations	FY2014 Funds	FY2014 Costs	FY2014 Ending Uncosted Obligations
OPERATING					
AA15	Advanced Research	21	(0)	17	4
AA20	Central Systems	69	-	35	34
AA25	Fuel Cells	3	-	-	3
AA30	Sequestration	1,677	-	1,026	651
AA60	Advanced Energy Systems	0	-	-	0
AA65	Carbon Capture	379	(0)	346	33
AA70	Carbon Storage	3,969	3,055	2,305	4,718
AA90	Cross Cutting Research	3,142	2,300	2,262	3,180
AB05	Natural Gas Technologies	209	890	305	794
AC10	Oil Technology	155	-	13	142
AD20	Contractual Services And Supplies	3	140	7	136
AY05	Clean Coal Power Initiative	273	-	251	21
BD00	Unconventional Fossil Energy Technologies	93	-	-	93
CE03	Center for Zero Emissions Technology - Montana State	12	-	9	3
CE47	Innovations for Low-Cost Gasification Systems	5	-	4	1
CE54	Design and Test of an Advanced SOFC Generator in PA	6	-	6	0
Total Operating		**10,016**	**6,384**	**6,586**	**9,814**
TOTAL ASSISTANT SECRETARY FOR FOSSIL ENERGY		**10,016**	**6,384**	**6,586**	**9,814**
Note: Minor variances may occur due to rounding.					

continued...

Table 2.4d

FY2014 Funding and Costs by DOE Programs ($K) Continued

LOAN PROGRAMS OFFICE		FY2014 Beginning Uncosted Obligations	FY2014 Funds	FY2014 Costs	FY2014 Ending Uncosted Obligations
OPERATING					
LG20	Loan Guarantee Program Contract Support	0	(0)	-	-
Total Operating		**0**	**(0)**	**0**	**0**
TOTAL LOAN PROGRAMS OFFICE		**0**	**(0)**	**0**	**0**
Note: Minor variances may occur due to rounding.					
ASSISTANT SECRETARY FOR ENVIRONMENTAL MANAGEMENT		**FY2014 Beginning Uncosted Obligations**	**FY2014 Funds**	**FY2014 Costs**	**FY2014 Ending Uncosted Obligations**
OPERATING					
EY40	Defense Site Acceleration Completion - Technology Development and Deployment	218	1,209	1,159	268
EY80	Defense Environmental Cleanup - Program Support	68	(0)	67	1
EZ50	Non-Defense Environmental Cleanup - Small Sites	18,878	17,616	4,101	32,393
Total Operating		**19,164**	**18,824**	**5,327**	**32,662**
TOTAL ASSISTANT SECRETARY FOR ENVIRONMENTAL MANAGEMENT		**19,164**	**18,824**	**5,327**	**32,662**
Note: Minor variances may occur due to rounding.					
OFFICE OF HEALTH SAFETY AND SECURITY		**FY2014 Beginning Uncosted Obligations**	**FY2014 Funds**	**FY2014 Costs**	**FY2014 Ending Uncosted Obligations**
OPERATING					
HQ10	Employee Compensation	22	48	35	34
Total Operating		**22**	**48**	**35**	**34**
TOTAL OFFICE OF HEALTH SAFETY AND SECURITY		**22**	**48**	**35**	**34**
Note: Minor variances may occur due to rounding.					
ASSISTANT SECRETARY FOR NUCLEAR ENERGY		**FY2014 Beginning Uncosted Obligations**	**FY2014 Funds**	**FY2014 Costs**	**FY2014 Ending Uncosted Obligations**
OPERATING					
AF58	Fuel Cycle Research and Development (FCR&D)	528	2,990	2,510	1,008
DF01	First Repository	18	-	-	18
NT01	Crosscutting Technology Development	15	-	14	1
NT05	Nuclear Energy Adnvanced Modeling Simulation	-	50	49	1
RC04	Advanced Reactor Concepts (ARC)	0	(0)	-	-
Total Operating		561	3,040	2,574	1,027
TOTAL ASSISTANT SECRETARY FOR NUCLEAR ENERGY		**561**	**3,040**	**2,574**	**1,027**
Note: Minor variances may occur due to rounding.					

continued...

Table 2.4d

FY2014 Funding and Costs by DOE Programs ($K) Continued

OFFICE OF INDIAN ENERGY POLICY & PROGRAMS		FY2014 Beginning Uncosted Obligations	FY2014 Funds	FY2014 Costs	FY2014 Ending Uncosted Obligations
OPERATING					
IP10	Salaries & Benefits	-	229	-	229
Total Operating		-	229	0	229
TOTAL OFFICE OF INDIAN ENERGY POLICY & PROGRAMS		**-**	**229**	**0**	**229**
OFFICE OF LEGACY MANAGEMENT		**FY2014 Beginning Uncosted Obligations**	**FY2014 Funds**	**FY2014 Costs**	**FY2014 Ending Uncosted Obligations**
LM01	Legacy Management Activities - Defense	150	-	123	27
Total Operating		**150**	**0**	**123**	**27**
TOTAL OFFICE OF LEGACY MANAGEMENT		**150**	**0**	**123**	**27**
Note: Minor variances may occur due to rounding.					

Table 2.4e

FY2014 Funding and Costs by DOE Programs ($K) Continued

OFFICE OF ENERGY AND THREAT		FY2014 Beginning Uncosted Obligations	FY2014 Funds	FY2014 Costs	FY2014 Ending Uncosted Obligations
OPERATING					
GD40	Program Direction	54	(0)	54	0
GD50	Cyber	-	177	114	64
Total Operating		**0**	**177**	**114**	**64**
TOTAL OFFICE OF ENERGY AND THREAT		**0**	**177**	**114**	**64**
Note: Minor variances may occur due to rounding.					
ASSISTANT SECRETARY FOR POLICY AND INTERNATIONAL AFFAIRS		**FY2014 Beginning Uncosted Obligations**	**FY2014 Funds**	**FY2014 Costs**	**FY2014 Ending Uncosted Obligations**
OPERATING					
PE01	Policy, Planning And Analysis	-	100	61	39
PE04	Office Of Environmental Analysis	5	75	3	77
PE06	Climate Change Technology Program	230	250	259	220
WA22	Office of International Affairs - Program Direction	7	-	7	0
Total Operating		**242**	**425**	**330**	**337**
TOTAL ASSISTANT SECRETARY FOR POLICY AND INTERNATIONAL AFFAIRS		**242**	**425**	**330**	**337**
Note: Minor variances may occur due to rounding.					

continued...

Table 2.4e

FY2014 Funding and Costs by DOE Programs ($K) Continued

OFFICE OF MANAGEMENT		FY2014 Beginning Uncosted Obligations	FY2014 Funds	FY2014 Costs	FY2014 Ending Uncosted Obligations
OPERATING					
MA10	Other Related Expenses - Contractual Services	1	(1)	-	-
Total Operating		**1**	**(1)**	**-**	**0**
TOTAL OFFICE OF MANAGEMENT		**1**	**(1)**	**-**	**0**
Note: Minor variances may occur due to rounding.					
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		**FY2014 Beginning Uncosted Obligations**	**FY2014 Funds**	**FY2014 Costs**	**FY2014 Ending Uncosted Obligations**
OPERATING					
CJ01	ARPA-E Projects	4,272	993	3,074	2,191
Total Operating		**4,272**	**993**	**3,074**	**2,191**
TOTAL ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		**4,272**	**993**	**3,074**	**2,191**
Note: Minor variances may occur due to rounding.					
OFFICE OF ENERGY POLICY & SYSTEMS ANALYSIS		**FY2014 Beginning Uncosted Obligations**	**FY2014 Funds**	**FY2014 Costs**	**FY2014 Ending Uncosted Obligations**
OPERATING					
EP02	Climate Change Technology	-	200	200	0
Total Operating		**-**	**200**	**200**	**0**
TOTAL OFFICE OF ENERGY POLICY & SYSTEMS ANALYSIS		**-**	**200**	**200**	**0**
Note: Minor variances may occur due to rounding.					

Table 2.5

FY2014 Funding and Costs by Other Direct Operating Source ($K)

Funding Source	FY2014 Beginning Uncosted Obligations	FY2014 Funds	FY2014 Costs	FY2014 Ending Uncosted Obligations
REIMBURSABLE WORK FOR OTHER - AGENCIES				
Work for Other - Federal Agencies				
Department Of Agriculture	-	297	-	297
Department Of Defense	12,048	12,167	14,998	9,564
Department of Homeland Security - Borders and Transportation	520	613	747	385
Department of Homeland Security - Domestic Nuclear Detection Office	3	1,683	918	770
Department of Homeland Security - Science and Technology	1,480	2,071	2,768	783
Department Of Housing And Urban Development	215	-	221	0
Department Of State - Other	-	549	-	549
Department Of The Interior	812	843	1,002	682
Environmental Protection Agency	581	859	868	600
National Aeronautics And Space Administration	3,222	3,274	4,143	2,475
National Institutes of Health	29,435	27,138	29,736	26,867
National Science Foundation	428	(0)	210	223
Nuclear Regulatory Commission	564	477	695	389
Other Federal Agencies	3,152	5,887	4,197	4,964
Other Federal Agencies - Defense-Related Activities	96	(0)	98	0
Other Federal Agencies - Energy-Related Activities	198	96	121	177
Total Work for Other - Federal Agencies	**52,754**	**55,953**	**60,725**	**48,727**
Work for Non-Federal Agencies				
Foreign Governments	359	726	538	562
Domestic and Foreign Industry	7,753	18,197	18,083	8,389
State and Local Governments & NPO's	10,821	22,051	23,534	9,756
Universities and Institutes	2,633	12,658	11,810	3,394
Cost of Work for Other Program (WN) (a)	6,472	(1,665)	725	4,088
Total Work for Non-Federal Agencies	**28,038**	**51,967**	**54,690**	**26,191**

Note: Minor variances may occur due to rounding.
(a) Includes funding for Non-Federal Sponsors who are precluded by law from paying an advance under the WN02 program.

continued...

Table 2.5

FY2014 Funding and Costs by Other Direct Operating Source ($K) Continued

Funding Source	FY2014 Beginning Uncosted Obligations	FY2014 Funds	FY2014 Costs	FY2014 Ending Uncosted Obligations
Cooperative Research and Development Agreements				
CRADA - Other	553	463	758	265
CRADA - Small Business	-	556	337	230
Total Cooperative Research and Development Agreements	**553**	**1,019**	**1,095**	**495**
TOTAL REIMBURSABLE WORK FOR OTHER	**81,345**	**108,939**	**116,510**	**75,412**
Work for Other DOE Integrated Contractors				
Work Performed for Other DOE Locations (b)	-	18,884	18,884	-
Total Work for Other DOE Integrated Contractors	**-**	**18,884**	**18,884**	**-**
TOTAL OTHER DIRECT OPERATING (c) (d)	**81,345**	**127,824**	**135,394**	**75,412**

Note: Minor variances may occur due to rounding.

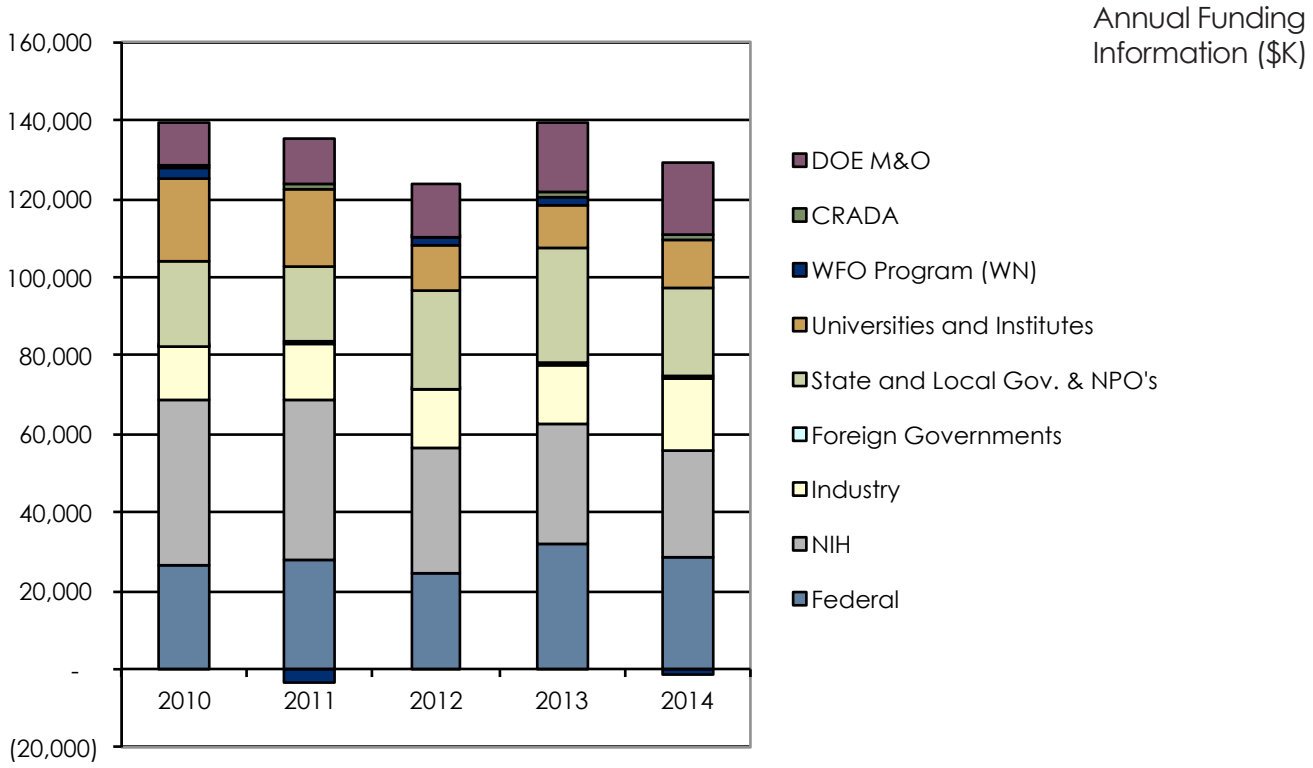
(b) Total funding for Work for Other Integrated Contractors is assumed to be equal to cost incurred.

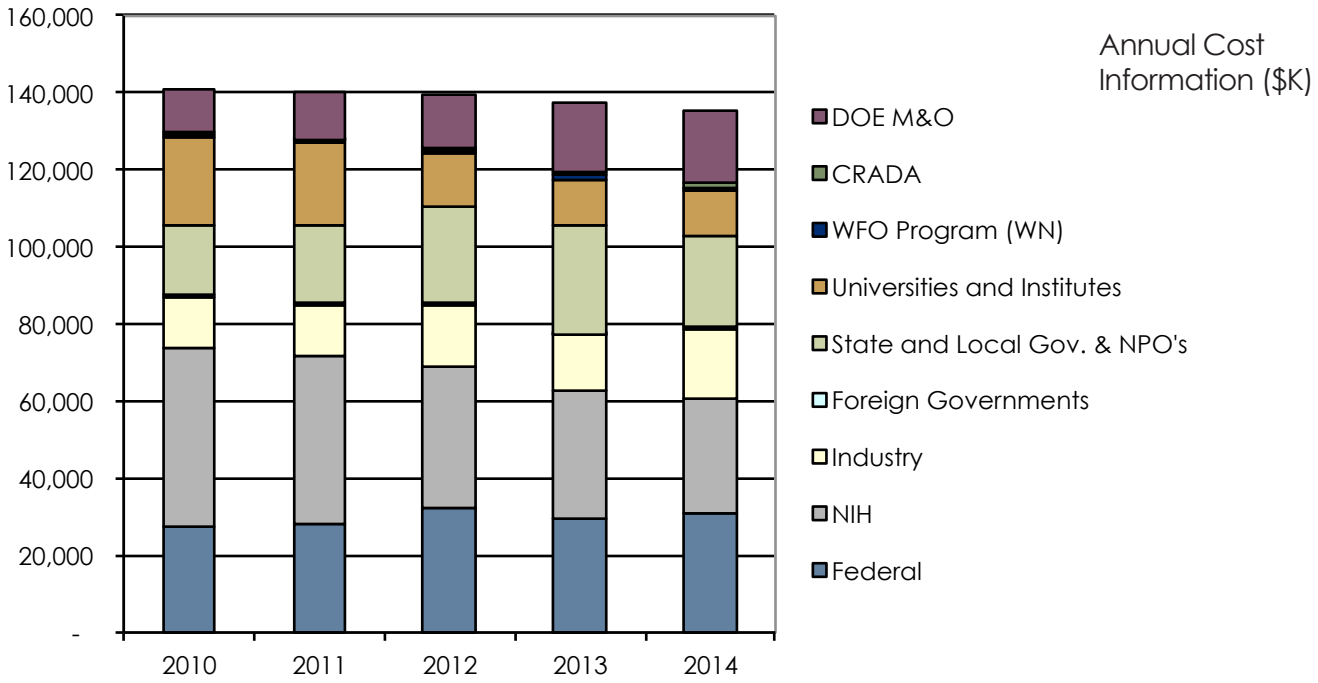
(c) The sum of FY2014 Beginning Uncosted Obligations, FY2014 Funds, minus, FY2014 Costs does not equal FY2014 Ending Uncosted Obligations due to various adjustments not reflected in the FY2014 Costs column. Examples of these adjustments include bridge funding, suspense items, and DOE's Federal Administrative Charge. The total of these adjustments for FY2014 is ($-1,638K).

(d) Includes FY2014 Beginning Uncosted Obligations, FY2014 Funds and FY2014 Costs for American Recovery and Reinvestment Act (ARRA), ($158K, $1,472K, $1,570K) see Table 3.4 for details by sponsor.

Figure 2.1

FY2014 Funding and Cost Trends by Other Direct Operating Source ($K)





3. American Recovery & Reinvestment Act of 2009 (ARRA)

Table 3.1

LBNL ARRA Funding Trends (BA) by Funding Source ($K)

LBNL Fund Trends by Funding Source ($K)	FY2010	FY2011	FY2012	FY2013	FY2014
DOE OPERATING					
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	5,297	-	-	-	-
Assistant Secretary for Energy Efficiency and Renewable Energy	37,206	2,289	(0)	(2)	(1)
Assistant Secretary for Fossil Energy	4,950	-	-	-	-
Office of Electricity Delivery and Energy Reliability	2,795	-	-	-	-
Office of Science (a)	17,717	4,948	13,074	(5)	(3)
Total Operating	**67,965**	**7,237**	**13,074**	**(7)**	**(4)**
OTHER DIRECT OPERATING					
Work for Other Federal Agencies	5,453	6,182	1,621	(12)	(57)
Work for Non Federal Sponsors (b)	1,930	3,504	1,116	1,154	130
Work for Other DOE Integrated Contractors (c) (d)	1,098	1,924	2,198	1,529	1,398
Total Other Direct Operating	**8,481**	**11,610**	**4,935**	**2,670**	**1,472**
TOTAL OPERATING	**76,446**	**18,847**	**18,009**	**2,663**	**1,468**
DOE PLANT AND CAPITAL EQUIPMENT					
Basic Equipment/Major Items of Equipment					
Assistant Secretary for Energy Efficiency and Renewable Energy	4,700	-	-	-	-
Office of Science (b)	(492)	(4,949)	(13,074)	(1)	(1)
Total DOE Capital Equipment	**4,209**	**(4,949)**	**(13,074)**	**(1)**	**(1)**
GENERAL PLANT PROJECTS					
Office of Science	-	-	-	-	(0)
ACCELERATOR IMPROVEMENT PROJECTS					
Office of Science	-	-	-	-	(0)
LINE-ITEM CONSTRUCTION					
Assistant Secretary for Energy Efficiency and Renewable Energy	15,700	-	-	-	-
Office of Science	-	-	(0)	(0)	-
Total DOE Plant	**15,700**	**-**	**(0)**	**(0)**	**(0)**
TOTAL DOE PLANT AND CAPITAL EQUIPMENT	**19,909**	**(4,949)**	**(13,074)**	**(1)**	**(1)**
TOTAL LABORATORY	**96,354**	**13,898**	**4,935**	**2,662**	**1,467**

Note: Minor variances may occur due to rounding.

(a) Portion of High Performance Network Facilities funding reobligated from Capital Equipment to Operating in FY2011 and FY2012.

(b) Total Funding for FY2010 Work for Non-Federal Sponsors as reported in the FY2010 Annual Report is different than stated herein. Difference is a result of a Work for Other DOE Integrated Contractors award changing status from Non-ARRA to ARRA. The impact to Funding for FY2010 is $33.3K. As a result of this change, FY2010 Report ARRA Funding - Work for Non-Federal Sponsors is restated as $1,930.

(c) Total funding for Work for Other Integrated Contractors is assumed to be equal to cost incurred.

(d) Total Funding for FY2010 for Work for Other DOE Integrated Contractors as reported in the FY2010 Annual Report is different than stated herein. Difference is a result of a Work for Other DOE Integrated Contractors award changing status from Non-ARRA to ARRA. The impact to Funding for FY2010 is $221.9K. As a result of this change, FY2010 Report ARRA Funding - Work for Other DOE Integrated Contracts is restated as $1,098.

Table 3.2

LBNL ARRA Cost Trends by Funding Source ($K)

LBNL Spending Trends by Funding Source ($K)	FY2010	FY2011	FY2012	FY2013	FY2014
OPERATING					
Advanced Research Projects Agency - Energy	30	1,966	1,956	1,179	109
Assistant Secretary for Energy Efficiency and Renewable Energy	11,652	11,853	8,109	4,001	3,575
Assistant Secretary for Fossil Energy	208	1,314	2,345	927	151
Office of Electricity Delivery and Energy Reliability	450	589	327	525	491
Office of Science	30,689	36,484	28,101	12,268	1,640
Total Operating	**43,029**	**52,206**	**40,838**	**18,902**	**5,965**
OTHER DIRECT OPERATING					
Work for Other Federal Agencies	6,015	7,181	1,701	13	3
Work for Non Federal Sponsors	1,195	2,927	1,904	1,613	169
Work for Other DOE Integrated Contractors (a)	1,098	1,924	2,198	1,529	1,398
Total Other Direct Operating	**8,308**	**12,032**	**5,803**	**3,154**	**1,570**
TOTAL OPERATING	**51,336**	**64,238**	**46,642**	**22,056**	**7,535**
DOE PLANT AND CAPITAL EQUIPMENT					
Basic Equipment/Major Items of Equipment					
Assistant Secretary for Energy Efficiency and Renewable Energy	-	3,195	876	628	-
Office of Science	27,277	19,781	9,339	476	-
Total Capital Equipment	**27,277**	**22,977**	**10,215**	**1,104**	**-**
General Plant Projects					
Office of Science	11,577	357	2,141	541	-
Accelerator Improvement Projects					
Office of Science	945	1,837	2,212	2,567	-
Line-Item Construction					
Assistant Secretary for Energy Efficiency and Renewable Energy	91	1,151	2,036	8,262	3,991
Office of Science	13,311	10,685	1,431	-	-
Total DOE Plant	**25,924**	**14,029**	**7,820**	**11,370**	**3,991**
TOTAL DOE PLANT AND CAPITAL EQUIPMENT	**53,201**	**37,006**	**18,035**	**12,474**	**3,991**
TOTAL LABORATORY	**104,537**	**101,244**	**64,677**	**34,530**	**11,526**

Note: Minor variances may occur due to rounding.

(a) Total Costs for FY2010 for Work for Other DOE Integrated Contractors as reported in the FY2010 Annual Report is different as tated herein. Difference is a result of a Work for Other DOE Integrated Contractors award changing status from Non ARRA to ARRA. The impact to Costs for FY2010 is $221.9K. As a result of this change FY2010 Report is restated as Funding $1,098.

Figure 3.1

Where Did Your ARRA Program Dollars Go in FY2014?

Expenses	DOE Operating Costs	DOE Integrated Contractors Costs	Construction and Equipment	WFO Non DOE
DIRECT				
Direct Labor				
UC Labor (a)	$0.22	$0.21	$0.06	$0.55
Contract Labor	$0.00	$0.00	$0.01	$0.00
Organization/ALD Burden (b)	$0.04	$0.04	$0.01	$0.10
Subtotal Direct Labor	**$0.26**	**$0.24**	**$0.08**	**$0.64**
Other Direct				
Services	$0.54	$0.55	$1.00	$0.00
Materials	$0.01	$0.01	$0.02	$0.00
Utilities	$0.00	$0.00	$0.00	$0.00
Other Expenses (c,e)	$0.00	$0.00	($0.13)	$0.00
Recharges (b,d,e)	$0.02	$0.01	$0.01	$0.00
Travel	$0.02	$0.01	$0.00	$0.01
Subtotal Other Direct	**$0.58**	**$0.58**	**$0.90**	**$0.01**
Total Direct	**$0.84**	**$0.82**	**$0.98**	**$0.65**
INDIRECT				
Procurement	$0.01	$0.03	$0.00	$0.00
Travel	$0.00	$0.00	$0.00	$0.00
G&A (Other Inst.)	$0.14	$0.15	$0.02	$0.35
Total Indirect	**$0.16**	**$0.18**	**$0.02**	**$0.35**
TOTAL EXPENSES (F)	**$1.00**	**$1.00**	**$1.00**	**$1.00**

Note: Minor variances may occur due to rounding.
(a) UC Labor includes salary and benefits for Scientists/Engineers, Admin., Students/GSRAs and Campus Labor.
(b) Distributed activities used by direct funded programs. ALD Burden implemented at beginning of FY2013.
(c) Includes miscellaneous expenses (stipends, sales tax, freight, etc.).
(d) Includes recharges credited back to direct operating accounts such as ALS and ESnet.
(e) Safeguards and Securities costs moved from Other Expenses to Recharges for FY2013 report.

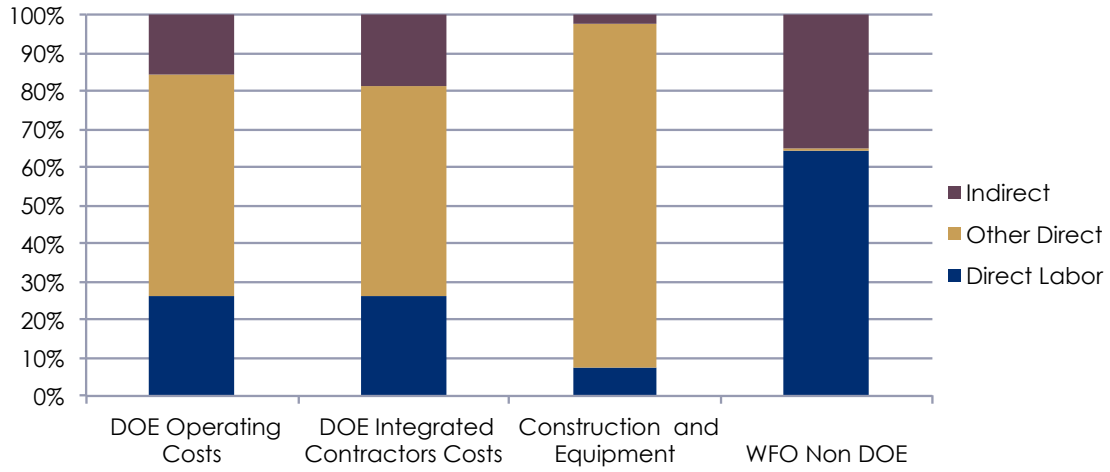


Table 3.3

FY2014 ARRA Funding and Costs by DOE Programs ($K)

Office of Science ARRA		FY2014 Beginning Uncosted Obligations	FY2014 Funds	FY2014 Costs	FY2014 Ending Uncosted Obligations
OPERATING					
KA14	Theoretical Physics	838	-	507	330
KA15	Advanced Technology R&D (prior to restructure)	5	-	5	0
KB03	Nuclear Theory	746	(1)	590	155
KB04	Low Energy Physics	0	(0)	-	-
KC02	Materials Sciences and Engineering	892	-	513	379
KJ04	Mathematical, Computational, and Computer Sciences Research	82	-	24	58
KJ05	High Performance Computing and Network Facilities	2	(2)	-	-
Total Operating		**2,566**	**(3)**	**1,640**	**923**
CAPITAL EQUIPMENT					
KA15	Advanced Technology R&D (prior to restructure)	1	-	-	1
KC02	Materials Sciences and Engineering	1	(1)	-	-
Total Capital Equipment		**1**	**(1)**	**-**	**1**
GENERAL PLANT PROJECTS					
KG09	General Plant Projects	0	(0)	-	-
Total General Plant Projects		**0**	**(0)**	**-**	**-**
ACCELERATOR IMPROVEMENT PROJECTS					
KB04	Low Energy Physics	0	(0)	-	-
KC02	Materials Sciences and Engineering	0	(0)	-	-
Total Accelerator Improvement Projects		**0**	**(0)**	**-**	**-**
LINE ITEM CONSTRUCTION					
39KG	Science Laboratories Infrastructure	-	-	-	-
Total Line Item Construction		**-**	**-**	**-**	**-**
TOTAL OFFICE OF SCIENCE ARRA		**2,567**	**(4)**	**1,640**	**924**

continued...

Table 3.3

FY2014 ARRA Funding and Costs by DOE Programs ($K) Continued

Assistant Secretary for Energy Efficiency and Renewable Energy ARRA		FY2014 Beginning Uncosted Obligations	FY2014 Funds	FY2014 Costs	FY2014 Ending Uncosted Obligations
OPERATING					
BM01	Biomass/Biofuels Energy Systems	1,833	-	709	1,124
BR01	EE Departmental Admin, Rec Act	1,608	-	564	1,045
BT02	Commercial Buildings Integration	2,512	-	1,177	1,335
EB36	Facilities and Infrastructure	5	-	-	5
EB40	Geothermal Technologies	1	(1)	-	-
EB51	Energy Efficiency and Renewable Energy Program Direction	1,515	-	1,125	390
WI07	Weatherization Assistance Program	0	-	-	0
Total Operating		**7,474**	**(1)**	**3,575**	**3,899**
CAPITAL EQUIPMENT					
BM01	Biomass/Biofuels Energy Systems	0	-	-	0
Total Capital Equipment		**0**	**-**	**-**	**0**
LINE ITEM CONSTRUCTION					
39EB	Facilities and Infrastructure	4,161	-	3,991	170
Total Line Item Construction		**4,161**	**-**	**3,991**	**170**
TOTAL ASSISTANT SECRETARY FOR ENERGY EFFICIENCY AND RENEWABLE ENERGY		**11,636**	**(1)**	**7,566**	**4,069**
Assistant Secretary for Fossil Energy ARRA		**FY2014 Beginning Uncosted Obligations**	**FY2014 Funds**	**FY2014 Costs**	**FY2014 Ending Uncosted Obligations**
OPERATING					
AA30	Sequestration	156	-	151	5
Total Operating		**156**	**-**	**151**	**5**
TOTAL ASSISTANT SECRETARY FOR FOSSIL ENERGY		**156**	**-**	**151**	**5**

continued...

Table 3.3

FY2014 ARRA Funding and Costs by DOE Programs ($K) Continued

Office of Electricity Delivery and Energy Reliability ARRA		FY2014 Beginning Uncosted Obligations	FY2014 Funds	FY2014 Costs	FY2014 Ending Uncosted Obligations
OPERATING					
TD50	Research and Development	904	-	491	413
Total Operating		**904**	**-**	**491**	**413**
TOTAL OFFICE OF ELECTRICITY DELIVERY AND ENERGY RELIABILITY		**904**	**-**	**491**	**413**

Advanced Research Projects Agency - Energy		FY2014 Beginning Uncosted Obligations	FY2014 Funds	FY2014 Costs	FY2014 Ending Uncosted Obligations
OPERATING					
CJ01	ARPA-E Projects	180	-	109	71
Total Operating		**180**	**-**	**109**	**71**
TOTAL ADVANCED RESEARCH PROJECTS AGENCY - ENERGY (a)		**180**	**-**	**109**	**71**

(a) Advanced Research Projects Agency - Energy was previously reported under Office of the Chief Financial Officer (ARPA-E Projects) in FY2009, FY2010, FY2011.

Total ARRA Funding and Costs by DOE Programs	FY2014 Beginning Uncosted Obligations	FY2014 Funds	FY2014 Costs	FY2014 Ending Uncosted Obligations
TOTAL OPERATING	**11,280**	**(4)**	**5,965**	**5,311**
TOTAL EQUIPMENT	**2**	**(1)**	**-**	**1**
TOTAL GENERAL PLANT PROJECTS	**0**	**(0)**	**-**	**-**
TOTAL ACCELERATOR IMPROVEMENT PROJECTS	**0**	**(0)**	**-**	**-**
TOTAL LINE ITEM CONSTRUCTION	**4,161**	**-**	**3,991**	**170**
TOTAL ARRA DOE PROGRAMS	**15,442**	**(5)**	**9,956**	**5,482**

Table 3.4

FY2014 ARRA Funding and Costs by Other Direct Operating Source ($K)

Funding Source	FY2014 Beginning Uncosted Obligations	FY2014 Funds	FY2014 Costs	FY2014 Ending Uncosted Obligations
REIMBURSABLE WORK FOR OTHER AGENCIES				
Work for Other - Federal Agencies				
Department of Defense	-	-	-	-
National Institutes of Health	-	-	-	-
Other Energy Related Activities	60	(57)	3	-
Total Work for Other - Federal Agencies	**60**	**(57)**	**3**	**-**
Work for Other - Non-Federal Agencies				
Industry	67	128	142	48
Universities and Institutes	20	13	27	-
Cost of Work for Others Program (WN) (a)	11	(11)	-	-
Total Work for Non-Federal Agencies	**98**	**130**	**169**	**48**
TOTAL REIMBURSABLE WORK FOR OTHER	**158**	**73**	**172**	**48**
WORK FOR OTHER DOE INTEGRATED CONTRACTORS				
Work Performed for Other DOE Locations (b)	-	1,398	1,398	-
Total Work for Other DOE Integrated Contractors	**-**	**1,398**	**1,398**	**-**
TOTAL OTHER DIRECT OPERATING (c)	**158**	**1,472**	**1,570**	**48**

Note: Minor variances may occur due to rounding.
(a) Includes funding for Non-Federal Sponsors who are precluded by law from paying an advance under the WN02 program.
(b) Total funding for Work for Other Integrated Contractors is assumed to be equal to cost incurred.
(c) The sum of FY2014 Beginning Uncosted Obligations, FY2014 Funds, minus, FY2014 Costs does not equal FY2014 Ending Uncosted Obligations due to various adjustments not reflected in the FY2014 Costs column. Examples of these adjustments include bridge funding, suspense items, and DOE's Federal Administrative Charge. The total of these adjustments for FY2014 is (-$12K).

Table 3.5

ARRA Cost Trends by Expense Category, FY2010-FY2014 ($M and % of Total)

Expenses	FY2010		FY2011		FY2012		FY2013		FY2014	
	$M	%	$M	%	$M	%	$M	%	$M	%
DIRECT										
DIRECT LABOR										
UC Labor (a)	11.0	10.5%	18.0	17.8%	12.9	19.9%	7.2	20.8%	2.0	17.0%
Contract Labor	0.1	0.1%	0.0	0.0%	0.1	0.1%	0.1	0.1%	0.0	0.2%
Organization/ALD Burden (b)	1.9	1.8%	3.0	2.9%	2.2	3.3%	1.2	3.4%	0.3	2.9%
Subtotal Direct Labor	**13.0**	**12.4%**	**21.0**	**20.7%**	**15.1**	**23.3%**	**8.4**	**24.4%**	**2.3**	**20.1%**
OTHER DIRECT										
Services	48.8	46.7%	47.5	46.9%	22.5	34.8%	15.6	45.0%	7.9	69.2%
Materials	33.4	31.9%	18.5	18.3%	16.9	26.1%	5.1	14.8%	0.1	1.2%
Utilities	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Other Expenses (c,e)	0.2	0.2%	0.2	0.2%	0.2	0.3%	0.0	0.1%	-0.5	-4.4%
Recharges (b,d,e)	0.4	0.4%	1.0	1.0%	0.8	1.2%	0.4	1.3%	0.1	1.2%
Travel	0.2	0.2%	0.6	0.6%	0.4	0.7%	0.2	0.6%	0.1	1.2%
Subtotal Other Direct	**83.0**	**79.4%**	**67.8**	**67.0%**	**40.8**	**63.1%**	**21.3**	**61.7%**	**7.8**	**68.4%**
Total Direct	**96.0**	**91.8%**	**88.8**	**87.7%**	**55.9**	**86.5%**	**29.7**	**86.1%**	**10.1**	**88.5%**
INDIRECT										
Procurement	1.5	1.4%	1.5	1.5%	1.1	1.6%	0.6	1.7%	0.1	0.9%
Travel	0.0	0.0%	0.1	0.1%	0.1	0.1%	0.0	0.1%	0.0	0.1%
G&A (Other Inst.)	7.0	6.7%	10.9	10.7%	7.6	11.8%	4.2	12.1%	1.2	10.4%
Total Indirect	**8.5**	**8.2%**	**12.4**	**12.3%**	**8.8**	**13.5%**	**4.8**	**13.9%**	**1.3**	**11.5%**
TOTAL EXPENSES (f)	**104.5**	**100.0%**	**101.2**	**100.0%**	**64.7**	**100.0%**	**34.5**	**100.0%**	**11.5**	**100.0%**

Note: Minor variances may occur due to rounding.
(a) UC Labor includes salary and benefits for Scientists/Engineers, Admin., Students/GSRAs and Campus Labor.
(b) Distributed activities used by direct funded programs.
(c) Includes miscellaneous expenses (stipends, sales tax, freight, etc.).
(d) Includes recharges credited back to direct operating accounts such as ALS and ESnet.
(e) Safeguards and Securities costs moved from Other Expenses to Recharges for FY2013 report.
(f) Total Costs for FY2010 is different than in the FY2010 Annual Report based on a Work for Other DOE Integrated Contractors award changing status from Non-ARRA to ARRA. The impact to costs for FY2010 is a $221.9K increase.

Table 3.6

ARRA Job Reporting

DOE DIRECT ARRA Projects	Life-to-Date Jobs		
	Created	Retained	Total
Total DOE Direct ARRA Projects	**346.4**	**1,533.7**	**1,880.1**
Total Other Direct Operating ARRA Projects (a)	**92.1**	**35.6**	**127.7**
LBNL TOTAL	**438.5**	**1,569.3**	**2,007.8**
DOE DIRECT ARRA PROJECTS			
ALS User Support Building	5.2	106.0	111.3
GPP, Upgrade Bldg 62	4.7	32.2	36.9
GPP, Upgrade Bldg 66	2.6	19.5	22.1
GPP, Air Handling Equipment	0.9	11.2	12.1
GPP, Upgrade Bldg 2	2.0	18.4	20.4
GPP, Modernize Transformer	4.5	8.6	13.1
Bevatron Demolition	-	22.7	22.7
Seismic Phase 2, 09-SC-72	7.5	130.3	137.8
Adv. Plasma Accel. Facility. (BELLA)	25.3	34.5	59.8
Nuclear Data Program Init.	-	4.3	4.3
Enh AIP Funding, Injector	6.9	1.0	7.9
Fed Lab Support for ARRA Trans	1.1	-	1.1
HEP-Adv Tech R&D Augmentation(Magnets)	7.1	6.0	13.1
Nanoscale Science Rsrch Centrs	0.6	25.6	26.2
Enh AIP Funding, RF Amplifier	0.9	-	0.9
Energy Frontier Research Cntrs	0.5	-	0.5
HEDLP NDCX-II	23.4	33.7	57.1
ALS Beamline Detectors	5.6	1.1	6.7
ALS Slice Beamline EPU	6.3	1.8	8.0
ALS Sextupoles Magnets	16.3	2.3	18.6
ALS High Field Vector Magnet	3.1	5.8	8.9
ARPA-E Early Harvest Solict.	0.1	-	0.1
Joint Genome Institute	-	102.5	102.5
Joint BioEnergy Institute	0.0	39.8	39.8
Advanced Networking Initiative	19.5	547.7	567.2
Comp. Partnerships (SciDAC-e)	3.2	1.1	4.4
Enhance FEMP Service Function	4.5	1.3	5.7
LBNL Magellan Cloud Computing	10.4	102.1	112.4
Climate100 - ESG to 100 Gbps	1.2	-	1.2
Petascale Initiative	18.3	-	18.3

Note: Minor variances may occur due to rounding.
(a) Other Direct Operating includes Work for Others, Federal Sponsors, Non-Federal Sponsors.

continued...

Table 3.6

ARRA Job Reporting Continued

DOE DIRECT ARRA Projects	Life-to-Date Jobs		
	Created	Retained	Total
Enhanced Geothermal Systems (EGS) with C02 as Heat Transmission Fluid	1.8	3.7	5.5
Coupled Thermal-Hydrological-Mechanical-Chemical Model and Experiments for Optimization of Enhanced Geothermal System Development and Production	4.5	0.5	5.0
Fluid Imaging of Enhanced Geothermal Systems through Joint 3D Geophysical Inverse Modeling	4.4	0.8	5.2
Integrated Approach to Use Natural Chemical and Isotopic Tracers to Estimate Fracture Spacing and Surface Area in EGS Systems	6.2	-	6.2
National Accounts Acceleration in Support of Commercial Building Initiative	11.0	8.3	19.4
Smart Grid Investment Grant Program	3.9	3.0	6.8
Hospital Energy Benchmarking SysDev	0.7	0.1	0.8
Incorporating EE into Commercial Mortgage Underwriting	1.2	4.5	5.8
Northern California CO2 Reduction Project	0.6	-	0.6
Builders Challenge and Existing Home Retrofits	7.0	7.1	14.1
Advanced Biofuels PDU-Bioenergy Research Center Collaboration	3.3	97.1	100.4
Deep Exploratory Test well for CO2 Sequestration purposes, Newark Basin- Southern New York and New Jersey	2.9	0.7	3.6
Residential Home Retrofit Support & Research	6.2	-	6.2
Home Retrofits Rating Support	7.7	0.3	8.1
Residential Building Home Retrofit Analysis	0.7	0.6	1.3
User Facility for Low Energy Integrated Buildings Systems Research (UTBF)	11.3	102.5	113.7
High Energy Physics- Early Career Research Program	10.3	-	10.3
Basic Energy Sciences- Early Career Research Program	8.5	-	8.5
Nuclear Physics-Early Career Research Program	10.2	0.5	10.7
NP-3D Gamma ray Imaging Technologies	3.7	-	3.7
ASCR-Comp Partnerships- SciDAC-e-PERC-3-Enhancing Productivity of Materials Discovery computation for Solar fuels and Next Gen. Autotuning Large Computational codes.	2.2	6.2	8.5
Visualization and Analytics Center for Enabling Technologies-VACET	3.6	-	3.6
Applied Partial Differential Equations Center for Enabling Technologies(APDEC)	3.2	1.9	5.0
Towards Optimal Petascale Simulations-TOPS-SciDAC-e	2.7	-	2.7
EE Technical Assistance	0.5	-	0.5
Development of an Integrated Microbial-ElectroCatalytic (MEC) System for Liquid Biofuel Production from CO2	8.0	1.9	10.0
High Throughput Discovery of Robust Metal Organic Frameworks for CO2 capture	11.3	2.9	14.2
ARRA Evaluation	1.6	20.0	21.5
LBNL ARRA Bridge - Evaluation Support	0.2	10.1	10.3
Industrial Carbon Capture & Storage:Joint Inversion of Monitoring Data for Early Leakage Detection	9.3	1.4	10.7
Carbon Capture Simulation initiative-Industrial Carbon Capture and Storage	6.3	-	6.3
Online Training tool-Weatherization Training and Technical Assistance	5.4	0.3	5.7
ARPA E- Hydrogen-Bromine Flow Batteries for Grid-Scale Energy Storage	4.2	-	4.2
Total DOE Direct ARRA Projects	**346.4**	**1,533.7**	**1,880.1**
Note: Minor variances may occur due to rounding.			

continued...

Table 3.6

ARRA Job Reporting Continued

Other Direct Operating ARRA Projects (a)	Life-to-Date Jobs		
	Jobs Created	Jobs Retained	Total Jobs
PHENIX FVTX Sensor Backplanes	1.2	-	1.2
PHENIX Station Disks	0.0	-	0.0
Evaluating Benefits of Advanced Metering Infrastructure, Smart Meters and Time-Varying Tariffs	0.9	-	0.9
Knowledgebase R&R Pilot Project	1.8	-	1.8
Knowledge Fusion and Data-Supported Deep Annotation for Reconstruction of Metabolism	-	1.2	1.2
Technical Support for the ARRA Technical Assistance Project (TAP)	2.1	-	2.1
Optics characterization for LCLS CXI and NIF SXI projects	0.1	-	0.1
Determining Technetium Speciation Using X-ray Absorption Fine Structure (XAFS)	0.1	-	0.1
Smart Grid Consumer Behavior Study Data Processing	0.3	-	0.3
Interregional Electricity Reliability Issue Assessment and Analysis	1.1	3.4	4.4
Area of Interest 2: New Technologies, Electricity Demand, and Utility Resource Plans	5.0	1.1	6.1
Technical Assistance to Electric Infrastructure Planners on Other Subjects	0.8	-	0.8
A Distributed Intelligence Automated Demand Response Building Management System	1.1	-	1.1
Energy-Efficient and Comfortable Buildings through Multivariate Integrated Control (ECoMIC)	1.8	-	1.8
Wireless Modular Dimming Lighting Control System	0.7	-	0.7
Development of High Rate Sequential Coatings for Low Cost Electrochromic Glass	1.2	-	1.2
ARRA Performance Tracking Metrics	1.2	0.1	1.3
IWO - Battaglia	-	-	-
Automated Continuous Commissioning of Commercial Buildings	1.4	0.2	1.6
Red Cell Band 4.1--Developmental Changes in RNA Splicing	2.6	2.0	4.6
Red Cell Band 4.1 - Developmental Changes in RNA Splicing	3.3	-	3.3
Age of Onset and Huntingtons Disease	2.6	0.3	3.0
Age of Onset and Huntingtons Disease	3.3	-	3.3
In Vivo Analysis of a Noncoding Susceptibility Region for Coronary Artery Disease	3.5	-	3.5
The Berkeley Cancer Genome Center	-	0.8	0.8
Accelerating Cancer Research with Single Cell Arrays	0.1	0.8	0.9
ARRA Development of the Cell Ontology in Support of the Gene Ontology	2.1	-	2.1

Note: Minor variances may occur due to rounding.
(a) Other Direct Operating includes Work for Others, Federal Sponsors, Non-Federal Sponsors.

continued...

Table 3.6

ARRA Job Reporting Continued

Other Direct Operating ARRA Projects (a) (Continued)	**Life-to-Date Jobs**		
	Jobs Created	**Jobs Retained**	**Total Jobs**
Self-healing Composites via Novel Biomolecular Design and Processing	2.4	-	2.4
MT Function and Dysfunction in Single Neurons in Vivo	4.7	0.2	4.9
Comprehensive characterization of the Drosophila transcriptome	0.5	2.3	2.8
Beamline Automation for Structure Determination	0.8	0.7	1.5
Bay Area Breast Cancer and the Environment Research Center	0.9	-	0.9
Mapping Anti-Cancer Drugs Using Advanced X-Ray Microanalysis	0.2	-	0.2
ARRA Gene Ontology Consortium	1.6	-	1.6
Genome-Wide Mapping of Chromosomal Proteins in Drosophilia	0.1	4.8	4.8
Generation of an In vivo Human Genome Transcriptional Enhancer Dataset	1.2	-	1.2
Matrix- Based Mineral (MBM) Enamel Biomimetics	1.0	-	1.0
Integrated nanoparticle characterization and toxicity assessment	0.1	-	0.1
Integrated nanoparticle characterization and toxicity assessment	0.1	-	0.1
Biomimetic Actinide Decorporation: Characterization and Preclinical Development	9.5	9.2	18.7
Manipulating b1 integrin to enhance radiation therapy for breast cancer	0.6	1.5	2.1
Non-B DNA Structure with Chemical Carcinogens	0.0	1.6	1.6
STCI: Middleware for Monitoring and Troubleshooting of Large-Scale Applications on National Cyberinfrastructure	3.7	-	3.7
PHENIX: new methods for automation in macromolecular crystallography	0.3	2.0	2.2
Mismatch Repair and DNA Expansion	0.8	-	0.8
Materials for Green Engineering of Urban Areas	0.0	-	0.0
Production of Advanced Coatings for Solar Cells	0.1	-	0.1
Multidimensional Electrofocusing on Gradient Monoliths	0.7	-	0.7
A metagenomic study of the Hoatzin crop microbes to reveal novel carbohydrate-active enzymes	-	-	-
National Institute for Computational Sciences (NICS) NSF Center for Remote Data Analysis and Visualization	4.2	-	4.2
Blind Geothermal System Exploration in Active Volcanic Environments; Multi-phase Geophysical and Geochemical Surveys in Overt and Subtle Volcanic Systems, Hawaii and Maui	0.5	-	0.5
In-situ protein-protein interaction network isPIN study	0.1	-	0.1
Note: Minor variances may occur due to rounding. (a) Other Direct Operating includes Work for Others, Federal Sponsors, Non-Federal Sponsors.			

continued...

Table 3.6

ARRA Job Reporting Continued

Other Direct Operating ARRA Projects (a) (Continued)	Life-to-Date Jobs		
	Jobs Created	Jobs Retained	Total Jobs
In-situ protein-protein interaction network isPIN study	0.4	-	0.4
Toward the Understanding of Induced Seismicity in Enhanced Geothermal Systems	1.1	-	1.1
Experiment-Based Model for the Chemical Interactions between Geothermal Rocks, Supercritical Carbon Dioxide and Water	2.3	-	2.3
Development of Advanced Thermal-Hydrological-Mechanical-Chemical (THMC) Modeling Capabilities for Enhanced Geothermal Systems	1.1	-	1.1
A New Analytic-adaptive model for EGS assessment, development and management support	1.2	-	1.2
Optimized Drilling and Completion of Abrasive Slurry Jet Microhole Arrays for Efficient Exploitation of Enhanced Geothermal Systems	2.0	-	2.0
Geochemistry and THMC Models for the Newberry EGS Project	1.0	-	1.0
Characterizing Fractures in Geysers Geothermal Field by Micro-seismic Data, Using Soft Computing, Fractals, and Shear Wave Anisotropy	0.5	-	0.5
THMC Modeling of EGS Reservoirs - Continuum through Discontinuum Representations	0.6	-	0.6
Modeling Li Distribution and its Effect on Anode Protection Layers	2.3	-	2.3
TCGA Data Analysis Center at Berkeley	2.4	-	2.4
Enabling Novel Cathode Electrode Design with Integrated Separator and Manufacturing Toolset for High Energy Prismatic Li-ion Battery Cells	2.9	-	2.9
Development of an 8kx8k pixel direct detection CMOS camera with single electron counting for cryoEM	-	-	-
Automated Continuous Commissioning of Commercial Buildings	0.3	-	0.3
Research Services Program - Geochemistry	0.1	-	0.1
TCGA Data Analysis Center at Berkeley	0.8	0.2	1.0
Innovative Building-Integrated Enthalpy Recovery	0.4	-	0.4
Novel Functions for Red Cell Proteins Lu and LW	0.0	3.3	3.3
Support of the SSA National Support Center Project	0.1	-	0.1
Total Other Direct Operating ARRA Projects (a)	**92.1**	**35.6**	**127.7**
Total DOE Direct ARRA Projects	**346.4**	**1,533.7**	**1,880.1**
Total Other Direct Operating ARRA Projects (a)	**92.1**	**35.6**	**127.7**
LBNL TOTAL	**438.5**	**1,569.3**	**2,007.8**

Note: Minor variances may occur due to rounding.
(a) Other Direct Operating includes Work for Others, Federal Sponsors, Non-Federal Sponsors.

4. Indirect Budgets

Figure 4.1

Indirect Budgets — FY2014 Costs ($M)

Indirect Budgets (a)	FY2014 Costs ($M)
G&A (Includes Site Support)	167.1
ALD & Organizational Burden	52.3
Service Centers (b)	42.2
LDRD	23.6
Procurement	12.4
IGPP	2.4
Travel	1.4
Other (c)	0.2
TOTAL	**301.6**

(a) Summation of indirect budget provided only to show magnitude of dollars being managed and does not equate to total indirect costs since there are overlaps between indirect budgets. For example, some organization burden costs are included in G&A and Recharges. FY2014 LDRD cost includes $7.1M G&A assessed on LDRD projects.
(b) Service Centers includes recharge cost centers that default to B&R YN01 (project type OHRCH) only.
(c) Includes: Office of Homeland Security Charge.

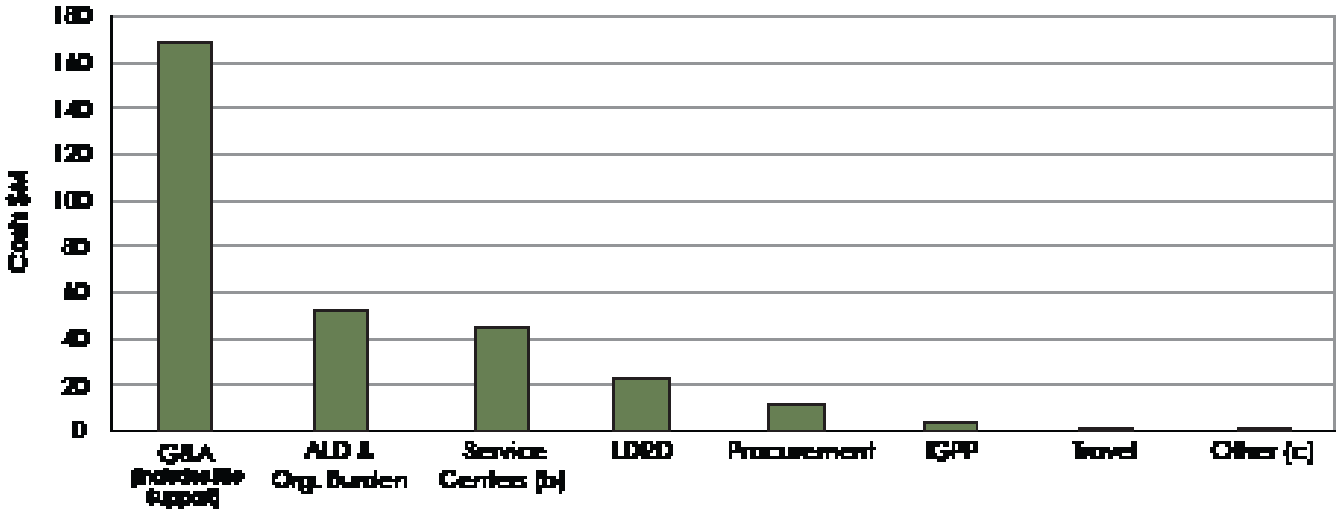
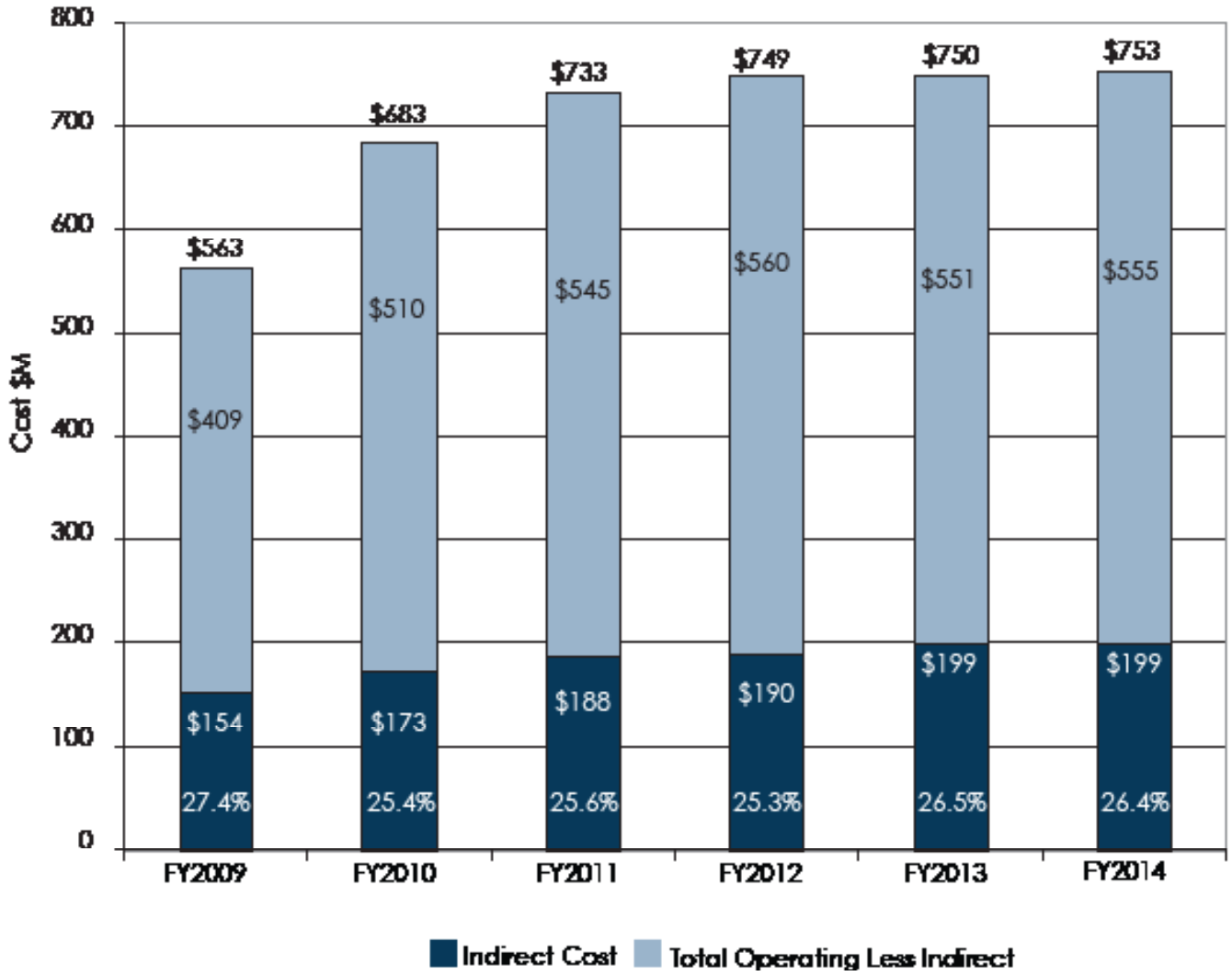


Figure 4.2

Institutional Overhead Costs as a Percent of Operating Costs, FY2010 - FY2014



Note: Chart represents the institutional overhead cost structure for each fiscal year with adjustments for indirect double count of G&A on LDRD projects (DOE mandate to apply G&A to LDRD projects beginning FY2006). Institutional overhead costs include G&A, LDRD, Site Support, Travel, Procurement, and IGPP. Percent is the percentage of indirect cost to total operating cost.

Table 4.1

Institutional Costs by Division, FY2014 ($K)

Division	G&A (a)	LDRD (b)	Procurement	Travel	IGPP	Total
Lab Directorate	15,712	-	-	-	-	15,712
LDRD	-	23,558	-	-	-	23,558
Engineering	2,543	-	-	-	-	2,543
Associate Lab Director for Operations						
ALD Office	1,938	-	-	-	-	1,938
Office of Institutional Assurance	1,813	-	-	-	-	1,813
Work Planning & Control	1,496	-	-	-	-	1,496
IGPP	-	-	-	-	2,392	2,392
Non-Cap	4,455	-	-	-	-	4,455
Work Force Diversity Office	453	-	-	-	-	453
Public Affairs	3,559	-	-	-	-	3,559
HR	7,862	-	-	-	-	7,862
Environment/Health/Safety	19,724	-	-	-	-	19,724
Protective Services	9,577	-	-	-	-	9,577
Facilities	42,584	-	1,827	-	-	44,411
OCFO	19,169	-	10,479	1,406	-	31,054
IT	28,247	-	56	15	-	28,318
General Lab	7,966	-	-	-	-	7,966
Total	**167,099**	**23,558**	**12,362**	**1,421**	**2,392**	**206,831**

Note: Minor variances may occur due to rounding.
(a) Includes Site Support & Strategic Planning Support Activities (SPSA).
(b) LDRD costs include $7.1M of G&A assessment.

Table 4.2

Institutional FTEs Charged by Division, FY2014

Division	G&A (a)	LDRD (b)	Procurement	Travel	IGPP	Total
Lab Directorate (a)	56.4	-	-	-	-	56.4
LDRD (b)	-	101.8	-	-	-	101.8
Engineering	9.7	-	-	-	-	9.7
Associate Lab Director for Operations						
ALD Office	7.9	-	-	-	-	7.9
Office of Institutional Assurance	9.6	-	-	-	-	9.6
Work Planning & Control	2.1	-	-	-	-	2.1
IGPP	-	-	-	-	2.6	2.6
Non-Cap	7.4	-	-	-	-	7.4
Work Force Diversity Office	2.4	-	-	-	-	2.4
Public Affairs	19.9	-	-	-	-	19.9
HR	45.4	-	-	-	-	45.4
Environment/Health/Safety	93.8	-	-	-	-	93.8
Protective Services	19.3	-	-	-	-	19.3
Facilities	131.8	-	15.0	-	-	146.8
OCFO	74.5	-	65.9	8.9	-	149.4
IT	89.6	-	-	-	-	89.6
General Lab	0.0	-	-	-	-	0.0
Total	**569.9**	**101.8**	**80.9**	**8.9**	**2.6**	**764.1**

Note: Minor variances may occur due to rounding.
(a) Includes Site Support & Strategic Planning Support Activities (SPSA).
(b) LDRD projects conducted by multiple divisions as reflected in Table 1.3.

Figure 4.3

Payroll Burden Summary ($M)

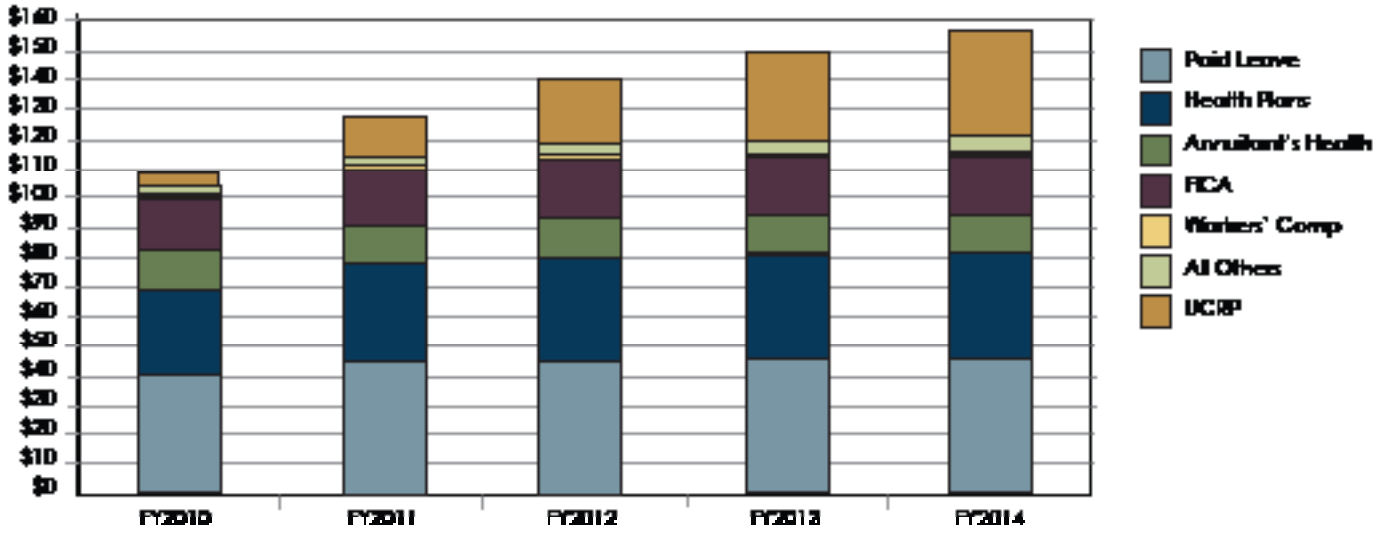


Figure 4.4

Gross Payroll Summary ($M)

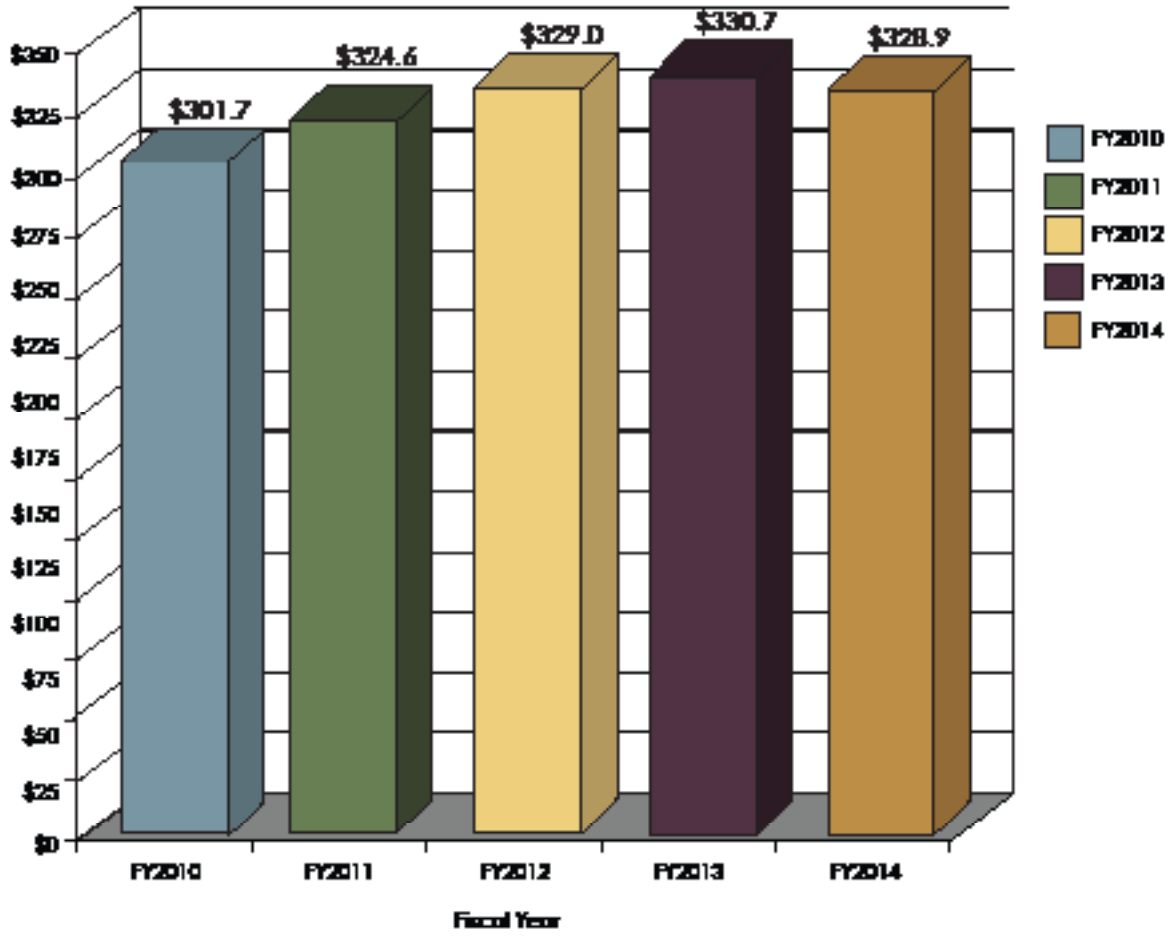


Table 4.3

Organizational Burden Costs and FTEs

Organizational burden includes costs for the management and supervision of division/department activities and is distributed over labor costs including campus and contract labor.

Division Cost Pools	FY2014	
	Cost $K	Avg FTE
Accelerator & Fusion Research	1,614	8.1
Advanced Light Source	2,433	13.0
Chemical Sciences	1,718	10.1
Computing Sciences	5,992	35.6
Environmental Energy Technology	6,799	36.5
Engineering	5,274	24.6
Earth Sciences	4,193	20.6
Facilities	3,941	20.4
Genomics - Onsite	571	3.7
Information Technology	2,651	11.3
Life Sciences	4,044	28.2
Materials Sciences	4,084	19.3
Nuclear Sciences	1,720	11.2
Physical Biosciences	3,272	19.9
Physics	1,864	12.1
Total	**50,168**	**274.7**
Note: Minor Variances may occur due to rounding.		

ALD Burden Costs and FTEs

Associate Lab Directorate burden includes costs for the management and supervision of ALD activities and is distributed over labor costs including campus and contract labor.

Division Cost Pools	FY2014	
	Cost $K	Avg FTE
Biosciences	766	2.6
Computing Sciences	173	1.0
Energy and Environmental Sciences	517	2.7
Physical Sciences	213	0.8
Energy Technologies	234	0.3
Total	**1,904**	**7.3**
Note: Minor Variances may occur due to rounding.		

Table 4.4

Service Center Costs and FTEs

Certain Laboratory services are provided by recharges that recover operational costs through various cost-allocation mechanisms; e.g., by assigning a dollar value to the work performed (a unit charge based on an hourly rate) or the products produced (unit charge per item).

Division (a)	FY2014	
	Cost $K	Avg FTE
OCFO - Property Storage Recharge	72	0.2
Environmental Energy Technology	2,559	17.1
Engineering	1,455	6.8
Earth Sciences	49	0.1
Facilities	13,146	2.8
Genomics (JGI)	5,010	8.1
Information Technology	7,036	16.9
Life Sciences	745	4.8
Materials Sciences	250	1.4
Physical Biosciences	7,418	9.3
ALD Operations (b)	4,496	15.5
Total	**42,235**	**82.9**

Note: Minor Variances may occur due to rounding.
(a) Service Centers includes recharge cost centers that default to B&R YN01 (project type OHRCH) only and GSRA pass through costs.
(b) Includes: GSRA pass through costs.

Table 4.5

Distributed Recharges by Resource Category Trends, FY2010 - FY2014 ($K)

Distributed Recharge (a, b)	FY2010	FY2011	FY2012	FY2013	FY2014
Vehicle	1,028	991	829	759	859
MSD Facility	234	246	331	259	250
Animal Care	549	744	720	665	640
Creative Services	1,582	2,010	1,511	1,507	1,233
FAM Facility Recharge	-	-	-	75	104
ESD Sample Analysis Recharge	-	-	-	131	49
Warehouse Storage Recharge	-	-	51	128	100
88-Inch Accelerator Operations	688	452	562	720	511
JBEI Non-Material Recharge	252	288	869	946	931
JBEI Material Recharge	3,642	4,034	4,095	4,845	5,162
BCSB	-	-	-	-	1,325
Telephone Services	4,687	5,064	5,637	5,318	5,406
EETD Recharge	1,495	1,784	2,132	2,149	2,524
Molecular Foundry	197	213	-	-	-
Computer/Net Recharges	2,415	2,244	2,258	1,913	1,683
Flexlab Recharge	-	-	-	-	40
Engineering Shop	932	918	878	884	729
CAD	731	731	717	794	728
ALS Proprietary Recharge	872	646	823	617	576
JGI Recharge (Capillary Sequencing) (c)	1,149	27	15	-	-
JGI WFO Administrative Charge (d)	223	260	68	-	-
ESnet Recharge	974	1,192	822	310	294
JGI Occupancy Labor Recharge (d)	-	-	948	1,152	1,188
JGI Occupancy Material Recharge (d)	-	-	2,684	3,845	3,821
Electricity	9,855	12,576	10,795	10,597	12,075
Mixed Waste Recharge/GL	2	9	2	1	-
National Center for Electron Microscopy	-	-	7	3	-
GSRA - Material Recharge	2,554	3,350	3,937	3,610	3,231
GSRA - Non-Material Recharge	1	1	0	7	19
Low Background Facility	45	45	29	48	-
Total Recharges	**34,108**	**37,824**	**40,722**	**41,283**	**43,477**

Note: Minor variances may occur due to rounding.
(a) Includes recharges credited back to direct operating accounts such as ALS, ESnet, JGI, etc.
(b) Does not include Procurement and Travel recharges.
(c) JGI Capillary Sequencing platform phased out in FY2012.
(d) JGI WFO Administrative Charge phased out in FY2012 and replaced by JGI Occupancy Labor and Material Recharges.

5. Financial Statement

Table 5.1

Balance Sheet Comparative Statement of Financial Position ($K)

	FY2014	FY2013
ASSETS:		
Current Assets		
Accounts Receivable	7,250	7,407
Inventories	419	407
Other Current Assets	191	237
Total Current Assets	**7,860**	**8,051**
Net Plant & Equipment	674,003	681,395
Total Assets	**681,863**	**689,446**
LIABILITIES AND EQUITY:		
Liabilities:		
Current Liabilities		
Drafts Payable	1,837	(188)
Accounts Payable	43,132	61,051
Accrued Expenses	58,094	54,110
Capital Lease Liability - current	6,572	-
Unearned Revenues	23,865	23,799
Other	2,749	1,500
Total Current Liabilities	**136,249**	**140,272**
Environmental Liabilities (Note 2)	686,085	640,953
ES&H Liability	300,674	305,037
Capital Lease Liability - noncurrent	12,544	-
Post-Retirement Benefits	597,938	561,707
Pension Plan Liability (Note 2)	949,463	573,279
Total Liabilities	**2,682,953**	**2,221,248**
DOE Equity:		
Beginning Equity	(1,531,802)	(1,966,615)
Change in Equity	(469,288)	434,813
Ending Equity	(2,001,090)	(1,531,802)
Total Liabilities and Equity	**681,863**	**689,446**

Note: FY2014 balances include DOE 2014 year-end adjustments for environmental, and pension plan liabilities. FY2013 balances include DOE FY2013 year-end adjustments for environmental, post-retirement benefits, and pension plan liabilities.

Note 1

Summary of Significant Accounting Policies

Basis of Presentation

These financial statements have been prepared to report the financial position and results of operations of Berkeley Lab. They have been prepared from the books and records of the Laboratory in accordance with Berkeley Lab's accounting policies.

Reporting Entity

The Laboratory is a national research facility operated by UC for DOE under the terms of Contract DE-AC02-05CH11231 (Contract 31). The Laboratory's reporting entity status is that of an integrated contractor, meaning Berkeley Lab's accounts are integrated with those of DOE through the use of reciprocal accounts. All assets and liabilities are owned by the Federal Government.

Basis of Accounting

The financial records of the Laboratory conform to generally accepted accounting principles (GAAP) and cost accounting standards (CAS) when they do not conflict with the provisions of the DOE accounting directives for Management and Operating (M&O) Contractors and are in compliance with Contract 31 between UC and DOE.

Financial Sources

The Laboratory receives funding from DOE in accordance with the provisions of Contract 31. The Laboratory receives authorizations to incur costs and conduct operations through modifications to the contract.

Reimbursable work is performed for Federal and non-Federal entities. Costs are recorded and billed to the requesting entity by the Laboratory on behalf of DOE. Cash collected from these billings is transmitted to the U.S. Department of the Treasury and deposited in the DOE account. Non-Federally funded work performed at Berkeley Lab must be funded in advance.

Letter of Credit

The Laboratory received authority for expenditures according to a checks-paid letter of credit from the U.S. Department of the Treasury; Letter of Credit Contract Number DE-AC02-05CH11231 with Wells Fargo Bank (WFB). The WFB letter of credit was renewed on November 1, 2012 for a five year term.

Inventories

The Laboratory uses a perpetual inventory system for certain inventory balances. An annual physical inventory is performed according to an inventory plan approved by DOE. Stores inventories and precious metals are valued and charged based on a moving average costing method. Special materials are valued by DOE.

Property, Plant, and Equipment

Property, plant, and equipment are purchased, constructed, or fabricated in-house and include major modifications or improvements. Berkeley Lab's capitalization threshold is $500K for items with an anticipated service life of two years or more. Property, plant and equipment items meeting these criteria are capitalized. Costs of construction and fabrication are capitalizable expenses and are recorded initially as construction/fabrication work in process. Upon completion or beneficial occupancy, the value is transferred to the appropriate fixed-assets account. Depreciation is computed using the straight-line method over the estimated useful life of the asset.

Liabilities

Liabilities represent the amount of monies that are likely to be paid by the Laboratory as a result of transactions or events that have already occurred. Liabilities cannot be incurred by Berkeley Lab without an authorized appropriation, except for approved unfunded liabilities.

Accrued Vacation and Sick Leave

Laboratory policy provides for employees' annual vacation benefits ranging from 10 to 16 hours per month, depending upon years of service. Vacation is earned and accrued on a monthly basis. Employees may accumulate vacation up to two times their annual leave. Unused earned vacation is paid 100% upon retirement or termination.

Each employee accumulates sick leave at a rate of eight hours per month. Unused sick leave accumulates until it is used. If an employee terminates before using sick leave, the benefit is forfeited without liability to the Laboratory. As such, no sick leave liability is recorded. Retiring employees are allowed to apply unused sick leave toward additional years of service.

Note 1

Summary of Significant Accounting Policies Continued

Retirement Plan

Most career employees are participants in the UC Retirement System (UCRS). UCRS consists of a 2-tier basic defined benefit plan (UCRP) and two voluntary plans composed of several investment funds that are funded with employer and employee contributions. Employees who first become eligible to participate in UCRP on or after July 1, 2013 will accrue benefits in the 2013 Tier. An employee who began accruing benefits before July 1, 2013 will continue accruing benefits under the 1976 Tier until he or she has a break in service. If an employee returns to eligible employment on or after July 1, 2013 following a break in service, he or she will accrue additional service credit under the 2013 Tier.

Note 2

Year-End Adjustments

DOE made adjustments to decrease $101M Pension Plan Liabilities and increase $2M Environmental Liabilities in the month of September 2014 for the period of FY2014. The Pension Plan Liabilities' reduction was mainly due to a decrease in net losses. The $2M increase in Environmental Liabilities was due to a $1M increase in Active Facilities Liabilities (ACF) and a $1M increase in Restructured Environmental Liabilities (REL). The adjustment is the result of coordination and approval by both DOE and UC.

The following is the adjusted balance sheet for FY2014:

Adjusted Balance Sheet ($K)			
	FY2014	**YE Adjustments**	**Adjusted FY2014**
ASSETS:			
Current Assets			
Accounts Receivable	7,250		7,250
Inventories	419		419
Other Current Assets	191		191
Total Current Assets	**7,860**	**0**	**7,860**
Net Plant & Equipment	674,003		674,003
Total Assets	**681,863**	**0**	**681,863**
LIABILITIES AND EQUITY:			
Liabilities:			
Current Liabilities			
Drafts Payable	1,837		1,837
Accounts Payable	43,132		43,132
Accrued Expenses	58,094		58,094
Capital Lease Liability-current	6,572		6,572
Unearned Revenues	23,865		23,865
Other	2,749		2,749
Total Current Liabilities	**136,249**	**0**	**136,249**
Environmental Liabilities	683,615	2,470	686,085
ES&H Liability	300,674		300,674
Capital Lease Liability	12,544		12,544
Post-Retirement Benefits	597,938		597,938
Pension Plan Liability	1,050,768	(101,305)	949,463
Total Liabilities	**2,781,788**	**(98,835)**	**2,682,953**
DOE Equity:			
Beginning Equity	(2,352,856)		(2,352,856)
Change in Equity	(252,931)	98,835	351,766
Ending Equity	**(2,099,925)**	**98,835**	**(2,001,090)**
TOTAL LIABILITIES AND EQUITY	**681,863**	**0**	**681,863**

Note 2

Year-End Adjustments Continued

DOE made adjustments to decrease $190M Post-Retirement Benefit and $150M Pension Plan Liabilities in the month of September 2013 for the period of FY2013. The reductions were a result of increased discount rates (4.75% for FY2013, up from 3.75% for FY2012), favorable asset returns, offset by additional experience expenses. DOE also made adjustments to Environmental Liabilities. The $121M reduction was primarily due to a $123M decrease in Active Facilities Liabilities (ACF), offset by a $2M increase in Restructured Environmental Liabilities (REL).

The following is the adjusted balance sheet for FY2013:

Adjusted Balance Sheet ($K)			
	FY2013	**YE Adjustments**	**Adjusted FY2013**
ASSETS:			
Current Assets			
Accounts Receivable	7,407		7,407
Inventories	407		407
Other Current Assets	237		237
Total Current Assets		**8,051**	**0**
Net Plant & Equipment	681,395		681,395
Total Assets		**689,446**	**0**
LIABILITIES AND EQUITY:			
Liabilities:			
Current Liabilities			
Drafts Payable	(188)		(188)
Accounts Payable	61,051		61,051
Accrued Expenses	54,110		54,110
Unearned Revenues	23,799		23,799
Other	1,500		1,500
Total Current Liabilities	**140,272**	**0**	**140,272**
Environmental Liabilities	762,092	(121,139)	640,953
ES&H Liability	305,037		305,037
Capital Lease Liability	0		0
Post-Retirement Benefits	751,463	(189,756)	561,707
Pension Plan Liability	1,083,438	(510,159)	573,279
Total Liabilities		**3,042,302**	**(821,054)**
DOE Equity:			
Beginning Equity	(1,966,615)		(1,966,615)
Change in Equity	(386,241)	821,054	434,813
Ending Equity	**(2,352,856)**	**821,054**	**(1,531,802)**
TOTAL LIABILITIES AND EQUITY	**689,446**	**0**	**689,446**

6. Procurement & Property Management

Table 6.1

Purchases Placed Using Purchase Orders/Subcontracts

Total POs	($K)	# Actions
$0 - $25,000	$50,089	55,813
$25,001 - $150,000	$68,368	1,164
$150,001- $1,000,000	$93,797	288
$1,000,001 +	$114,158	51

Table 6.2

Procurement Purchase Order Dollar Amount by Division

Division	PO ($K)
Accelerator & Fusion Research	3,908
Advanced Light Source	7,120
Chief Financial Officer	11,758
Chemical Sciences	8,106
Computational Research	3,700
Computing Sciences	761
Environmental Energy Technologies	26,669
Engineering	3,312
Environment/Health/Safety	3,655
Earth Sciences	15,232
Facilities	57,728
Genomics	29,034
Human Resources	1,186
Information Technology	14,055
Laboratory Directorate	2,523
Life Sciences	4,441
Material Sciences	20,331
NERSC	33,829
Nuclear Sciences	4,621
Operations	557
Public Affairs	161
Physical Biosciences	22,757
Physics	20,178
Protective Services	8,518
Scientific Networking	22,271
Total	**326,412**

Figure 6.1

Procurement Spend by Channel ($K)

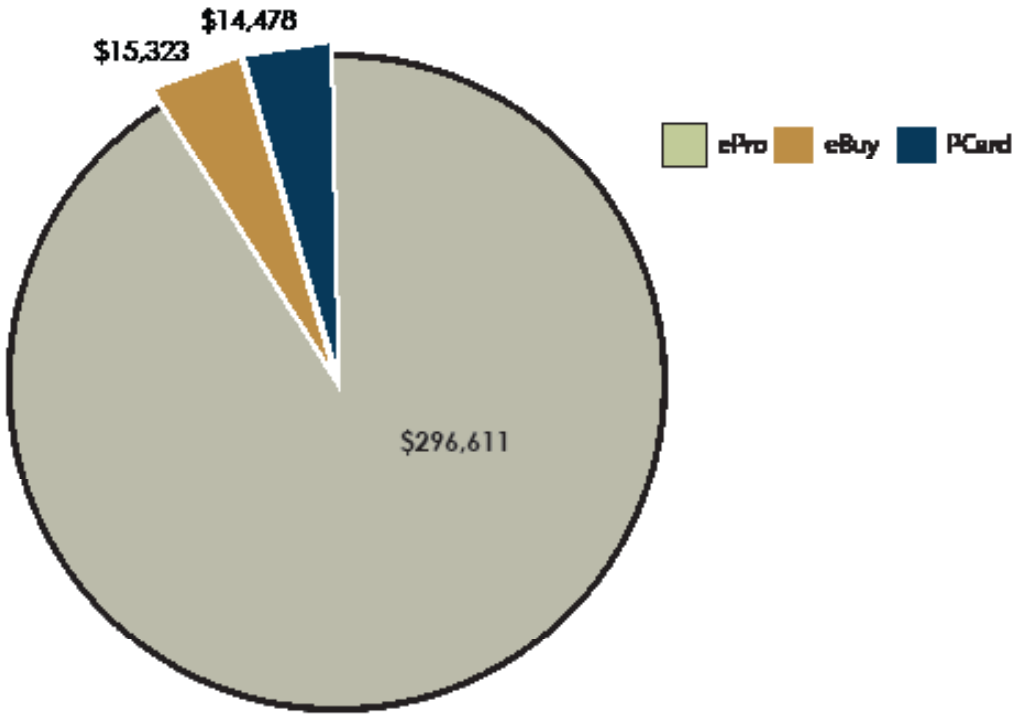


Figure 6.2

Laboratory Supplier Socioeconomic Performance

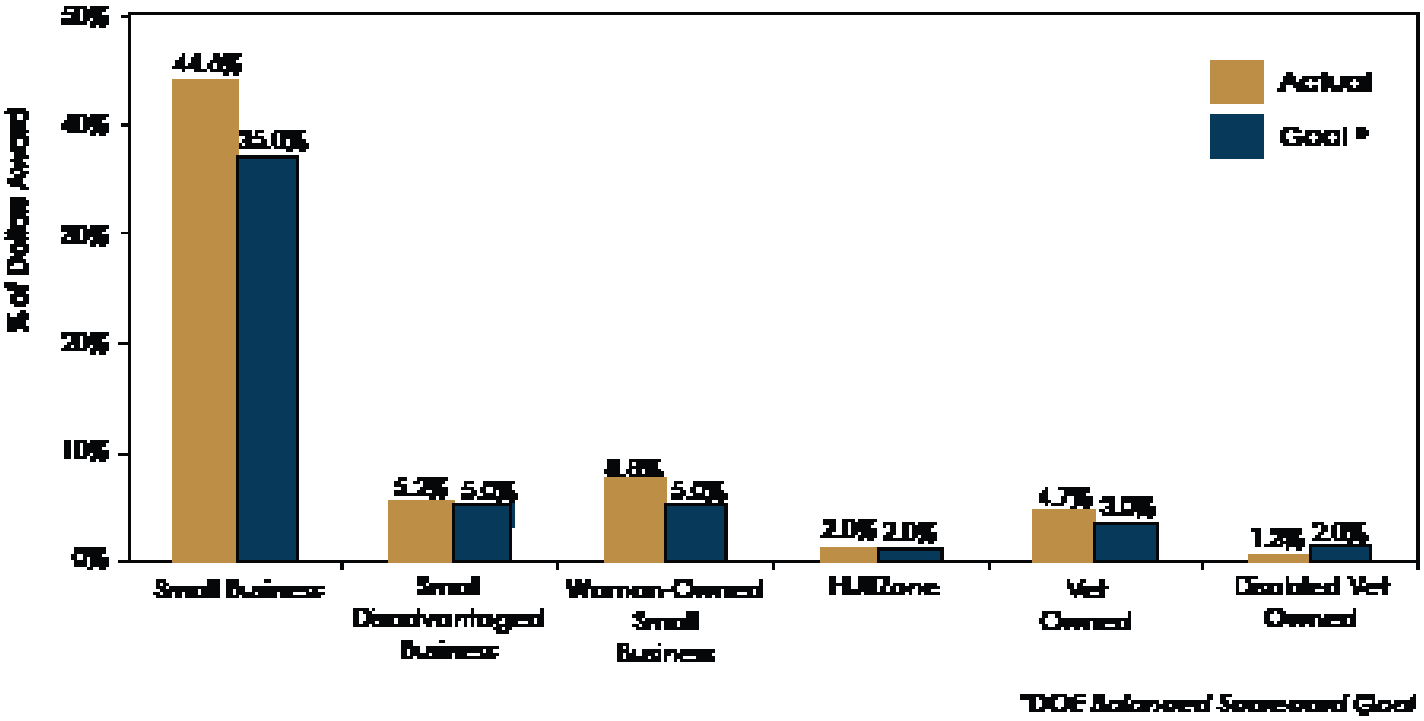


Figure 6.3

Cycle Time for Purchase Orders ≤$25k — Subcontracting Groups FY2014

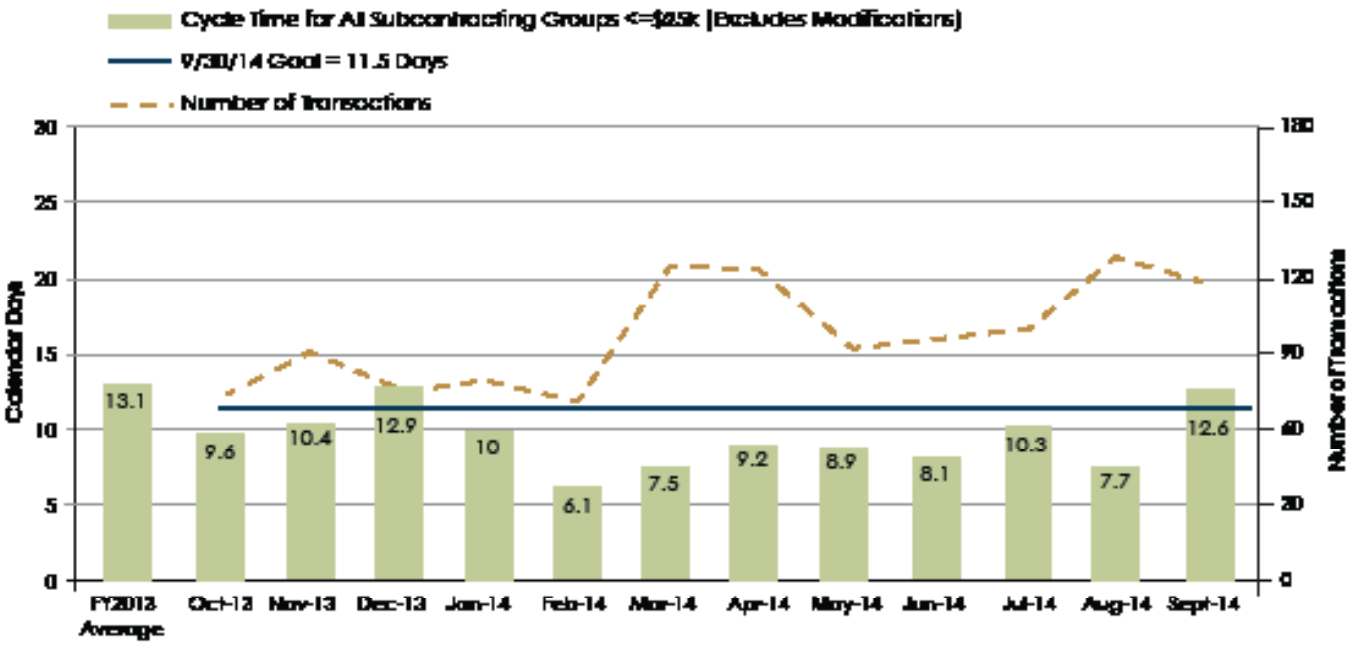


Figure 6.4

Procurement Cost Savings

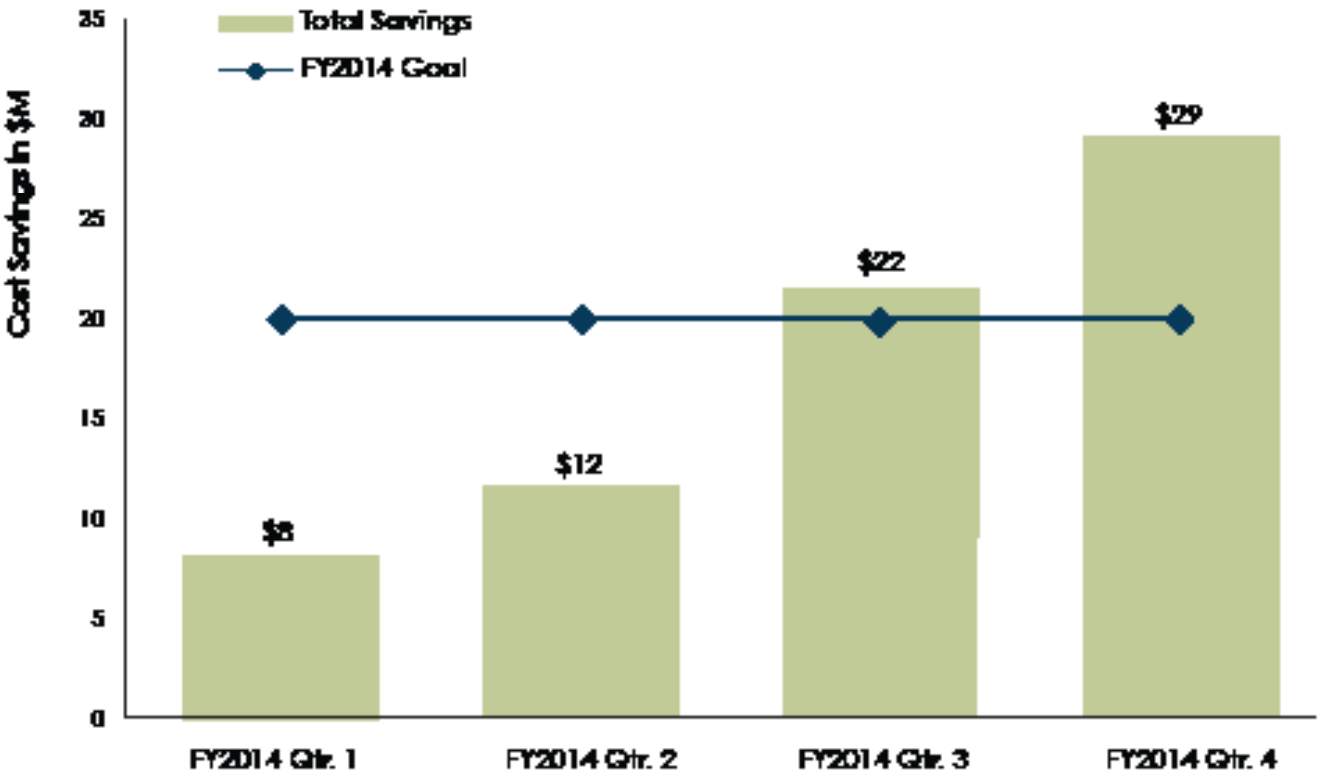


Table 6.3

Property Management Activity

	# of Assets	Acquisition Value ($K)	
Equipment*	7,550	726,202	
Attractive*	19,702	69,167	
High Risk*	13	207,461	
TOTAL ASSETS	**27,265**	**1,002,830**	
Computers Laptops	6,045	11,441	
Computer Desktops	6,700	14,014	
Tablets	880	559	
Total	**13,625**	**26,014**	
Inventory campaign	**Base**	**Positive Resolutions**	**% Positive**
Attractive	9,478	9,437	99.57%
Controlled	4,855	4,840	99.69%
High Risk	11	11	100%
Final Results	14,344	14,288	99.61%
Validation Size	57	57	100%
Assets Scanned	12,733	14,228	89.49%
Division	**Asset Count**	**Acquisiton Value ($K)**	
Accelerator & Fusion Research	1,263	95,574	
Advanced Light Source	1,457	223,439	
Chief Financial Officer	288	424	
Chemical Sciences	997	29,976	
Computational Research	958	3,313	
Computing Sciences	210	36,417	
Environmental Energy Technologies	2,182	24,811	
Engineering	923	13,839	
Environment/Health/Safety	411	2,441	
Earth Sciences	2,192	23,405	
Excess	15	1,346	
Facilities	722	7,602	
Genomics	1,398	31,198	
Human Resources	153	189	
Information Technology	2,808	19,796	
Laboratory Directorate	130	351	
Life Sciences	1,451	28,016	
Material Sciences	3,345	142,419	
NERSC	1,060	73,449	
Nuclear Science	913	63,898	
Operations	29	47	
Public Affairs	123	227	
Physical Biosciences	2,013	42,118	
Physics	899	105,178	
Protective Services	429	1,146	
Scientific Networking	896	32,212	
TOTAL ASSETS	**27,265**	**1,002,830**	

*** Equipment:** Has an acquisition cost > $10,000; Has an expected useful life of > 2 years. **Attractive:** Attractive regardless of cost (laptops, desktops, workstations, tablets and radios.) **High Risk**: Property used in the nuclear fuel cycle, firearms, ammunition and explosives, nuclear weapon components or nuclear weapon-like components that do not contain nuclear material as listed in DOE O 474.2.

7. Acronymns & Key Terms

Acronyms and Key Terms

AFRD	Accelerator and Fusion Research Division
ALD	Associate Lab Director
ALS	Advanced Light Source
ANL	Argonne National Laboratory
ARPA-E	Advanced Research Projects Agency-Energy
ARRA	American Recovery and Reinvestment Act of 2009
ASCR	Advanced Scientific Computing Research
A/S	Assistant Secretary (DOE)
B&R	Budget and Reporting
BA	Budget Authority
BES	Basic Energy Sciences
BNL	Brookhaven National Laboratory
BSC	Business Systems Committee
CAD	Computer Aided Design
CAS	Cost Accounting Standards
CFO	Chief Financial Officer
CRADA	Cooperative Research and Development Agreement
CSR	Contractor-funded Institutionally Supported Research and Development
DARHT	Dual Axis Radiographic Hydrodynamic Test
DNA	Deoxyribonucleic Acid
DOD	Department of Defense
DOE	Department of Energy
DOI	Department of Interior
EERE	Energy Efficiency and Renewable Energy
ERWM	Environmental Restoration and Waste Management
EHS	Environment/Health/Safety
ESnet	Energy Sciences Network
FNAL	Fermi National Accelerator Laboratory
FTE	Full-Time Equivalent
FY	Fiscal Year (Oct. 1 through Sept. 30)
G&A	General and Administrative
GAAP	Generally Accepted Accounting Principles
G/L	General Ledger
GSO	Goods and Services on Order
GSRA	Graduate Student Research Assistant

Acronyms and Key Terms Continued

HR	Human Resources
HWC	Hazardous Waste Charge
HZE	High-Z High-Energy
I-MANAGE	Integrated Management Navigation System
IC	Integrated Contractors
ICO	Integrated Contractor Order
IGPP	Institutional General Plant Projects
IJE	Inter-Juristictional Employee Exchange
IPA	Inter-Governmental Personnel Assignment
IT	Information Technology
JCAP	Joint Center for Artificial Photosynthesis
JGI	Joint Genome Institute
LANL	Los Alamos National Laboratory
LBF	Low Background Facilities
LBNL	Lawrence Berkeley National Laboratory
LDRD	Laboratory Directed Research and Development
LLNL	Lawrence Livermore National Laboratory
M&O	Management & Operating
MLA	Multiple Location Appointment
NASA	National Aeronautics and Space Administration
NERSC	National Energy Research Scientific Computing Center
NIH	National Institutes of Health
NNSA	National Nuclear Security Administration
NSF	National Science Foundation
O&M	Operations & Maintenance
OASDI	Old Age, Survivors and Disability Insurance
OCFO	Office of the Chief Financial Officer
OHRCH	Overhead Recharge
ORNL	Oak Ridge National Laboratory
OSPIP	Office of Sponsored Projects and Industry Partnerships
PLF	Paid Leave Factor
PNNL	Pacific Northwest National Laboratory
PPPL	Princeton Plasma Physics Laboratory

Acronyms and Key Terms Continued

R&D	Research and Development
S&S	Safeguard & Security
SLAC	Stanford Linear Accelerator Center
SNAP	SuperNova Acceleration Project
SNL	Sandia National Laboratories
SPSA	Site Support & Strategic Planning Support Activities
STARS	Standard Accounting and Reporting System
UC	University of California
UCRP	University of California Retirement Plan
WFO	Work for Others

Key Terms
Throughout this document, $K means dollars in thousands, $M means dollars in millions, and $B means dollars in billions.

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