	FY 2015	FY 2015 FY 2016	FY 2017	FY 2017 vs. FY 2016		
	Enacted	Current	Enacted	Congressional		
	Approp.	Approp.	Approp.	Request	\$	%
scretionary Summary By Appropriation Energy And Water Development And Related Agencies						
Appropriation Summary:						
Energy Programs						
Energy efficiency and renewable energy	1,914,195	1,840,847	2,069,194	2,898,400	+829,206	+40.1
Electricity delivery and energy reliability		143,901	206,000	262,300	+56,300	+27.3
Nuclear energy	833,379	821,883	986,161	993,896	+7,735	+0.8
Fossil energy programs						
Clean coal technology	-6,600	-2,876				
Fossil energy research and development	560,587	548,885	632,000	360,000	-272,000	-43.0
Naval petroleum and oil shale reserves		20,640	17,500	14,950	-2,550	-14.6
Elk Hills school lands fund	,	15,580				
Strategic petroleum reserve	200,000	200,000	212,000	257,000	+45,000	+21.2
Northeast home heating oil reserve	1,600	1,600	7,600	6,500	-1,100	-14.
Total, Fossil energy programs	791,117	783,829	869,100	638,450	-230,650	-26.
Uranium enrichment D&D fund	625,000	625,000	673,749		-673,749	-100.0
Energy information administration		117,000	122,000	131,125	+9,125	+7.
Non-Defense environmental cleanup	246,000	246,030	255,000	218,400	-36,600	-14.
Science	5,067,738	5,132,813	5,347,000	5,572,069	+225,069	+4.
Advanced research projects agency - Energy	279,982	279,982	291,000	350,000	+59,000	+20.
(was Energy transformation acceleration fund)						
Departmental administration	125,043	135,686	130,971	144,866	+13,895	+10.
Office of Indian energy				22,930	+22,930	- 1
Inspector general	40,500	40,500	46,424	44,424	-2,000	-4.
Title 17 - Innovative technology						
loan guarantee program	17,000	17,000	17,000	10,000	-7,000	-41.
Advanced technology vehicles manufacturing						
loan program	4,000	4,000	6,000	5,000	-1,000	-16.7
Office of Technology Transitions				8,400	+8,400	1
Total, Energy Programs	10,207,929	10,188,471	11,019,599	11,300,260	+280,661	+2.
Atomic Energy Defense Activities						
National nuclear security administration:						
Weapons activities	8,180,359	8,180,609	8,846,948	9,243,147	+396,199	+4.
Defense nuclear nonproliferation	1,615,248	1,612,651	1,940,302	1,807,916	-132,386	-6.
Naval reactors	1,233,840	1,233,840	1,375,496	1,420,120	+44,624	+3.
Office of the administrator	413	-413				
Federal Salaries and Expenses	370,000	370,000	363,766	412,817	+49,051	+13.
Total, National nuclear security administration		11,396,687	12,526,512	12,884,000	+357,488	+2.
Environmental and other defense activities:						
Defense environmental cleanup		4,989,555	5,289,742	5,382,050	+92,308	+1.
Other defense activities		753,449	776,425	791,552	+15,127	+1.
Total, Environmental & other defense activities		5,743,004	6,066,167	6,173,602	+107,435	+1.
Total, Atomic Energy Defense Activities	17,142,500	17,139,691	18,592,679	19,057,602	+464,923	+2.
Power marketing administrations:						
Southeastern power administration						
Southwestern power administration		11,400	11,400	11,057	-343	-3.
Western area power administration (CROM)	91,740	91,740	93,372	95,581	+2,209	+2.
Falcon & Amistad operating & maintenance fund		228	228	232	+4	+1.
Colorado River Basins		-23,000	-23,000	-23,000		
Total, Power marketing administrations	80,368	80,368	82,000	83,870	+1,870	+2.
Federal energy regulatory commission						
Subtotal, Energy And Water Development and Related		07.400.500	00.004.070	20 444 700	.747 454	
Agencies	27,430,797	27,408,530	29,694,278	30,441,732	+747,454	+2.

	FY 2015 Enacted	FY 2015 Current	FY 2016 Enacted	FY 2017 Congressional	FY 2017 vs. F	Y 2016
	Approp.	Approp.	Approp.	Request	\$	%
Uranium enrichment D&D fund discretionary payments Defense EM funded	-463,000	-463,000		-155,100	-155,100	N/A
Uranium enrichment D&D fund contribution	463,000	463,000				
Excess fees and recoveries, FERC	-28,485	-17,325	-23,587	-9,426	+14,161	+60.0%
Title XVII Loan guar. prog section 1703						
negative credit subsidy receipt			-68,000	-37,000	+31,000	+45.6%
Total, Discretionary Funding	27,402,312	27,391,205	29,602,691	30,240,206	+637,515	+2.2%
Memo: Total Discretionary by budget function						
(Defense (050) function, non-add)	(17,714,000)	(17,711,191)	(18,718,840)	(19,209,478)		
(Non-Defense (250/270) function, non-add)	(9,688,312)	(9,680,014)	(10,883,851)	,		
(Science (250) function, non-add)		(5,132,813)	(5,347,000)	. , , ,		
(Energy (270) function, non-add)	(4,620,574)	(4,547,201)	(5,536,851)			
(Energy (270) function, non-add)	(4,020,374)	(4,547,201)	(5,550,651)	(5,456,659)		
New DOE Mandatory Funding						
Science University Grants				100,000	+100,000	N/A
21st Century Clean Transportation Plan Investments				1,335,000	+1,335,000	N/A
ARPA-E				150,000	+150,000	N/A
USEC Fund						
Oak Ridge				159,416	+159,416	N/A
Paducah						
Paducah				203,093	+203,093	N/A
Construction						
15-U-407 On-site waste disposal facility						
Paducah (PA-0040)				2,437	+2,437	N/A
Total, Paducah				205,530	+205,530	N/A
Portsmouth						
Portsmouth				214,682	+214,682	N/A
Construction						
15-U-408 On-site waste disposal facility						
Portsmouth (PO-0040)				41,168	+41,168	N/A
Total, Portsmouth				255,850	+255,850	N/A
Pension and community and regulatory support						
Oak Ridge	·	·		18,772	+18,772	N/A
Paducah				2,386	+2,386	N/A
Portsmouth				1,795	+1,795	N/A
Total, Pension and community& regulatory support				22,953	+22,953	N/A
				,	,	
Title X uranium/thorium reimbursement program				30,000	+30,000	N/A
Total, Usec Fund				673,749	+673,749	N/A
Total, New DOE Mandatory Funding				2,258,749	+2,258,749	N/A
Total, DOE	27,402,312	27,391,205	29,602,691	32,498,955	+2,896,264	+9.8%

	FY 2015 Enacted	FY 2015 Current	FY 2016 Enacted	FY 2017 Congressional	FY 2017 vs. FY 2016	
	Approp.	Approp.	Approp.	Request	\$	%
Energy Efficiency And Renewable Energy					•	
Energy Efficiency and Renewable Energy RDD&D						
Sustainable transportation:						
Vehicle technologies	280,000	272,526	310,000	468,500	+158,500	+51.1%
Bioenergy technologies	225,000	175,915	225,000	278,900	+53,900	+24.0%
Hydrogen and fuel cell technologies		94,830	100,950	105,500	+4,550	+4.5%
Total, Sustainable transportation	602,000	543,271	635,950	852,900	+216,950	+34.1%
Renewable energy:						
Solar energy	233,000	230,800	241,600	285,100	+43,500	+18.0%
Wind energy	107,000	105,936	95,450	156,000	+60,550	+63.4%
Water power	61,000	59,999	70,000	80,000	+10,000	+14.3%
Geothermal technologies	55,000	54,288	71,000	99,500	+28,500	+40.1%
Total, Renewable energy	456,000	451,023	478,050	620,600	+142,550	+29.8%
F						
Energy efficiency:	200 000	104 175	220 500	264 000	122 500	.14.20/
Advanced Manufacturing	200,000	194,175	228,500	261,000	+32,500	+14.2% +59.3%
Federal energy management program Building Technologies	27,000 172,000	27,000 168,153	27,000 200,500	43,000 289,000	+16,000 +88,500	+59.5%
Zalan'g 100 molegico	2,000	.00,.00	200,000	200,000	. 55,555	, 0
Weatherization & intergovernmental Program						
Weatherization assistance program						
Weatherization assistance program	189,600	189,600	211,600	225,000	+13,400	+6.3%
Training and technical assistance	3,000	3,000	3,000	5,000	+2,000	+66.7%
NREL Site-Wide Facility Support	400	400	400		-400	-100.0%
Total, Weatherization assistance program	193,000	193,000	215,000	230,000	+15,000	+7.0%
State energy program				70,000	+70,000	N/A
State energy program grants	50,000	50,000	50,000	70,000	-50,000	-100.0%
Cities, counties, & communities energy	00,000	00,000	00,000		00,000	100.070
program				26,000	+26,000	N/A
Total, Weatherization & intergovernmental				,	,	
Program	243,000	243,000	265,000	326,000	+61,000	+23.0%
Total, Energy efficiency	642,000	632,328	721,000	919,000	+198,000	+27.5%
Crosscutting Innovation Initiatives				215,000	+215,000	N/A
Orossediang innovation initiatives				213,000	1210,000	14/7
Corporate support:						
Program direction	160,000	160,750	155,000	170,900	+15,900	+10.3%
Strategic programs	21,000	21,000	21,000	28,000	+7,000	+33.3%
Total, Corporate support	181,000	181,750	176,000	198,900	+22,900	+13.0%
Subtotal, Energy Efficiency and Renew. Energy RDD&D	1,881,000	1,808,372	2,011,000	2,806,400	+795,400	+39.6%
F 375 11 (
Facilities and infrastructure (NREL O&M)						
National renewable energy laboratory (NREL)	FC 000	FC 000	CO 000	00.000	.20.000	. 40, 40/
Operation and maintenance	56,000 1,937,000	56,000 1,864,372	62,000 2.073.000	92,000 2,898,400	+30,000 +825,400	+48.4%
Subtotal, Energy Efficiency and Renewable Energy	1,937,000	1,864,372	2,073,000	2,898,400	+825,400	+39.8%
Adjustments:						
Use of prior year balances (EE)		-720				
Subtotal, Energy Efficiency and Renewable Energy	1,937,000	1,863,652	2,073,000	2,898,400	+825,400	+39.8%
Rescissions:						
Rescission of prior year balances	-13,065	-13,065				
Rescission of prior year balances (Gen. Prov.)		-9,740	-3,806		+3,806	+100.0%
Total, Rescissions		-22,805	-3,806	2 909 400	+3,806	+100.0%
Total, Energy Efficiency And Renewable Energy	1,914,195	1,840,847	2,069,194	2,898,400	+829,206	+40.1%
Electricity Delivery & Energy Reliability						
Electricity Delivery & Energy Reliability						
Clean energy transmission and reliability						
Transmission reliability	17,424	16,849	17,000	12,300	-4,700	-27.6%
Advanced modeling grid research	10,648	10,297	15,000	12,000	-3,000	-20.0%
Energy systems predictive capability	6,190	6,190	7,000	6,000	-1,000	-14.3%
Total, Clean energy transmission and reliability	34,262	33,336	39,000	30,300	-8,700	-22.3%
Smart grid receased and development	15 420	14.020	25.000	20 000	5,000	1.4.20/
Smart grid research and development Cybersecurity for energy delivery systems	15,439 45,999	14,930 44,756	35,000	30,000 45,500	-5,000 -16,500	-14.3% -26.6%
Energy storage	45,999 12,000	44,756 11,604	62,000 20,500	45,500 44,500	+24,000	-26.6% +117.1%
Transformer resilience and advanced components	12,000	11,604	5,000	15,000	+10,000	+117.1%
pointoi roomonoo ana aaranooa componente	_	_	3,000	10,000	. 10,000	. 200.070

	FY 2015 Enacted	FY 2015 Current	FY 2016 Enacted	FY 2017 Congressional	FY 2017 vs. FY 2016	
	Approp.	Approp.	Approp.	Request	\$	%
National electricity delivery State Distribution-level Reform Program	6,000	6,000	7,500 	6,500 15,000	-1,000 +15,000	-13.3% N/A
Infrastructure security & energy restoration	6,000	6,000	9,000	17,500	+8,500	+94.4%
State energy assurance	 27,606	 27,606	28,000	15,000 29,000	+15,000 +1,000	N/A +3.6%
Program directionGrid Institute	27,606	27,606	20,000	14,000	+14,000	+3.6% N/A
Subtotal, Electricity Delivery & Energy Reliability	147,306	144,232	206,000	262,300	+56,300	+27.3%
Rescission of prior year balances (Gen. Prov.)		-331				
Total, Electricity Delivery & Energy Reliability	146,975	143,901	206,000	262,300	+56,300	+27.3%
Nuclear Energy						
Research and Development						
Integrated University Program	5,000	5,000	5,000		-5,000	-100.0%
Step R&D	5,000	4,835	5,000		-5,000	-100.0%
SMR licensing technical support	54,500	54,500	62,500	89,600	+27,100	+43.4%
Nuclear Energy Enabling Technologies	101,000	97,666	111,600	89,510	-22,090	-19.8%
Reactor Concepts RD&D	133,000	128,611	141,718	108,760	-32,958	-23.3%
Fuel cycle research and development Material recovery and waste form development Material recovery and waste form						
development (270)	35,300	33,165	32,950	23,300	-9,650	-29.3%
Advanced fuels	60,100	58,070	62,100	59,000	-3,100	-5.0%
Systems analysis and integration	16,900	17,380	10,500	5,000	-5,500	-52.4%
Materials protection, accounting and						
control technology	7,600	7,142	8,050	7,000	-1,050	-13.0%
Used nuclear fuel disposition						
Used nuclear fuel disposition R&D (270) Integrated Waste Management System	49,000	47,724	62,500	74,338	+11,838	+18.9%
Storage and Transportation Storage and Transportation (270)	18,000	18,000	22,500	36,900	+14,400	+64.0%
Consent Based Siting Consent Based Siting (270)				24,140	+24,140	N/A
Consent Based Siting(050)				15,260	+15,260	N/A
Total, Consent Based Siting				39,400	+39,400	N/A
Total, Integrated Waste Management System	18,000 4,500	18,000 4,500	22,500	76,300	+53,800	+239.1%
Total, Used nuclear fuel disposition	71,500	70,224	85,000	150.638	+65,638	+77.2%
Fuel resources	5,600	5,261	5,200	5,000	-200	-3.8%
Total, Fuel cycle research and development	197,000	191,242	203,800	249,938	+46,138	+22.6%
International nuclear energy cooperation	3,000	3,000	3,000	4,500	+1,500	+50.0%
Total, Research and Development	498,500	484,854	532,618	542,308	+9,690	+1.8%
Radiological facilities management						
Space and defense infrastructure	20,000	20,000	18,000		-18,000	-100.0%
Research reactor infrastructure		5,000	6,800	7,000	+200	+2.9%
Total, Radiological facilities management	25,000	25,000	24,800	7,000	-17,800	-71.8%
Idaho facilities management						
Idaho operations and maintenance	200,631	200,631	220,582	220,585	+3	+0.0%
Construction: 16-E-200 Sample preparation laboratory			2,000	6,000	+4,000	+200.0%
13-D-905 RHLLW disposal project		5,369				
Total, Idaho facilities management	206,000	206,000	222,582	226,585	+4,003	+1.8%
Idaho sitewide safeguards and security	104,000	104,000	126,161	129,303	+3,142	+2.5%
Program direction	80,000	80,000	80,000	88,700	+8,700	+10.9%
Subtotal, Nuclear Energy	913,500	899,854	986,161	993,896	+7,735	+0.8%
Adjustments: Transfer from Department of State		2,150				
Subtotal, Nuclear Energy	913,500	902,004	986,161	993,896	+7,735	+0.8%

	FY 2015	FY 2015	FY 2016	FY 2017	FV 0047 FV 0040		
	Enacted	Current	Enacted	Congressional	FY 2017 vs.	FY 2016	
	Approp.	Approp.	Approp.	Request	\$	%	
Rescissions:		•					
Rescission of prior year balances	-80,000	-80,000					
Rescission of prior year balances (Gen. Prov.)		-121					
Total, Rescissions		-80,121					
Total, Nuclear Energy	833,379	821,883	986,161	993,896	+7,735	+0.8%	
Defense (050) function(non-add)	(108,500)	(108,500)	(126,161)	(151,876)			
Energy (270) function(non-add)	(724,879)	(713,383)	(860,000)	(842,020)			
Clean Coal Technology							
Rescission of prior year balances	-6,600	-2,876					
Fossil Energy Research And Development Fossil Energy Research and Development (OLD) Coal							
CCS and power systems							
Carbon Capture	88,000	85,269	101,000		-101,000	-100.0%	
Carbon Storage	100,000	96,896	106,000		-106,000	-100.0%	
Advanced Energy Systems	103,000	99,803	105,000		-105,000	-100.0%	
Cross Cutting Research	49,000	47,560	50,000		-50,000	-100.0%	
NETL Coal Research and Development	50,000	50,000	53,000		-53,000	-100.0%	
STEP (Supercritical CO2)		9,690	15,000		-15,000	-100.0%	
Total, CCS and Power Systems		389,218	430,000		-430,000	-100.0%	
Total, Coal	400,000	389,218	430,000		-430,000	-100.0%	
Natural Gas TechnologiesUnconventional Fossil Energy Technologies	25,121	24,341	43,000		-43,000	-100.0%	
from Petroleum - Oil technologies	4,500	4,360	20,321		-20,321	-100.0%	
Program Direction		119,000	114,202		-114,202	-100.0%	
Plant and Capital Equipment		15,782	15,782		-15,782	-100.0%	
Fossil Energy Environmental Restoration		5,897	7,995		-7,995	-100.0%	
Special Recruitment Programs		700	700		-700	-100.0%	
Subtotal, Fossil Energy Research and Development	571,000	559,298	632,000		-632,000	-100.0%	
Rescissions:							
Rescission of prior year balances (Gen. Prov.)		-10,413					
Total, Fossil Energy Research and Development (OLD)	560,587	548,885	632,000		-632,000	-100.0%	
Fossil Energy Research and Development (NEW)							
CCS and Advanced Power Systems				170.050	. 170 252	N1/A	
Carbon Storage				170,352	+170,352	N/A N/A	
Carbon Storage				90,875 47,800	+90,875 +47.800	N/A N/A	
Advanced Energy Systems Crosscutting Research and Analysis				59,350	+59,350	N/A	
Total, CCS and Advanced Power Systems				368,377	+368,377	N/A	
Fuel Supply Impact Mitigation				26,500	+26,500	N/A	
NETL Research and Operations				76,070	+76,070	N/A	
NETL Infrastructure				68,055	+68,055	N/A	
Program Direction				60,998	+60,998	N/A	
Subtotal, Fossil Energy Research and Development				600,000	+600,000	N/A	
Use of prior year balances				-240,000	-240,000	N/A	
Total, Fossil Energy Research and Development (NEW) Total, Fossil Energy Research And Development		548,885	632,000	360,000 360,000	+360,000 - 272,000	N/A -43.0%	
Petroleum Reserves:						_	
Naval Petroleum & Oil Shale Reserves 1/							
Naval petroleum & oil shale reserves		20,640	17,500	14,950	-2,550	-14.6%	
Total, Naval Petroleum & Oil Shale Reserves	19,950	20,640	17,500	14,950	-2,550	-14.6%	

^{1/} NPR includes new BA and proceeds from NPR 3 asset sale. These proceeds available during FY14 & FY 15 for purchase of replacement property. Any unused proceeds returned to Treasury as miscellaneous receipts.

	FY 2015 Enacted	FY 2015 Current	FY 2016 Enacted	FY 2017 Congressional	FY 2017 vs.	FY 2016
	Approp.	Approp.	Approp.	Request	\$	%
Elk Hills School Lands Fund California teachers' pension fund payment	15,580	15,580				
Strategic Petroleum Reserve						
Strategic petroleum reserve		200,000	212,000	257,000	+45,000	+21.2%
Total, Strategic Petroleum Reserve	200,000	200,000	212,000	257,000	+45,000	+21.2%
Northeast Home Heating Oil Reserve						
Northeast home heating oil reserve		7,600	7,600	10,500	+2,900	+38.2%
Use of prior year balances		-6,000		-4,000 	-4,000 	N/A
Total, Northeast Home Heating Oil Reserve		1,600	7,600	6,500	-1,100	-14.5%
Total, Petroleum Reserves		237,820	237,100	278,450	+41,350	+17.4%
Uranium Enrichment Decontamination And Decommissioning Fund						
Oak Ridge	167,898	170,067	194,673		-194,673	-100.0%
Paducah Paducah		198,729	198,729		-198,729	-100.0%
Construction	190,729	190,729	190,729		-190,729	-100.078
15-U-407 On-site waste disposal facility						
Paducah (PA-0040)	8,486	8,486				
16-U-401 Swmu 5&6,						
Paducah (PA-0040)			1,196		-1,196	-100.0%
Total, Paducah	207,215	207,215	199,925		-199,925	-100.0%
Portsmouth						
Portsmouth Construction 15-U-408 On-site waste disposal facility	209,524	209,524	203,417		-203,417	-100.0%
Portsmouth (PO-0040)	4,500	4,500	21,749		-21,749	-100.0%
Total, Portsmouth		214,024	225,166		-225,166	-100.0%
Pension and community and regulatory support						
Oak Ridge		19,524	16,856		-16,856	-100.0%
Paducah	,	2,375	2,375		-2,375	-100.0%
Portsmouth		1,795 23,694	1,795 21,026		-1,795 -21,026	-100.0% -100.0%
Total, Pension and community& regulatory support					-32.959	
Title X uranium/thorium reimbursement program Total, Uranium Enrichment D&D Fund		10,000 625,000	32,959 673,749		-673,749	-100.0% -100.0%
1000, 5101001 2000 10100000000000000000000000		020,000	010,140		010,140	100.070
Energy Information Administration National energy information system	117,000	117,000	122,000	131,125	+9,125	+7.5%
Total, Energy Information Administration		117,000	122,000	131,125	+9,125	+7.5%
Tour, Elongy morniation ranning and accommission		117,000	122,000	101,120	10,120	11.070
Non-Defense Environmental Cleanup	0.500	0.500	0.500	0.040	222	40.007
Fast flux test reactor facility (WA)		2,562 102,403	2,562 104,403	2,240 101,304	-322 -3,099	-12.6% -3.0%
Small sites:						
Small sites:	70,049	72,079	87,522	53,243	-34,279	-39.2%
Construction:		, 2,0,0	01,022	30,210	01,210	JJ. 2 /0
15-D-410 Ft. St. Vrain security upgrades	10,000	10,000				
Subtotal, Small sites		82,079	87,522	53,243	-34,279	-39.2%
Mercury storage facility West Valley demonstration project			1,300		-1,300	-100.0%
West Valley demonstration project	58,986	58,986	59,213	61,613	+2,400	+4.1%
Total, Non-Defense Environmental Cleanup		246,030	255,000	218,400	-36,600	-14.4%

	FY 2015 Enacted	FY 2015 Current	FY 2016 Enacted	FY 2017 Congressional	FY 2017 vs.	vs. FY 2016	
	Approp.	Approp.	Approp.	Request	\$	%	
ience	•	•		•			
Office of Science							
Advanced Scientific Computing Research Advanced scientific computing research	541,000	523,411	621,000	509,180	-111.820	-18.0%	
Construction:	541,000	323,411	021,000	509,160	-111,620	-16.07	
17-SC 20 SC Exascale Project				154,000	+154,000	N/A	
Total, Advanced scientific computing research		523,411	621,000	663,180	+42,180	+6.8%	
Basic Energy Sciences							
Research	1,594,500	1,544,224	1,648,700	1,746,730	+98,030	+5.9%	
Construction							
13-SC-10 Linac Coherent Light Source-II, SLAC		138,700	200,300	190,000	-10,300	-5.1%	
Total, Basic Energy Sciences	1,733,200	1,682,924	1,849,000	1,936,730	+87,730	+4.7%	
Biological and environmental research	592,000	572,618	609,000	661,920	+52,920	+8.7%	
Fusion energy sciences							
Research	317,500	307,366	323,000	273,178	-49,822	-15.4%	
Construction:		00.,000	020,000	2.0,0	.0,022	10117	
14-SC-60 ITER	150,000	150,000	115,000	125,000	+10,000	+8.7%	
Total, Fusion energy sciences	467,500	457,366	438,000	398,178	-39,822	-9.1%	
High energy physics							
Research	729,000	708,232	728,900	729,476	+576	+0.1%	
Construction:	,	•	,	,			
11-SC-40 Project engineering and design (PED)							
Long baseline neutrino experiment, FNAL	12,000	12,000	26,000	45,021	+19,021	+73.2%	
11-SC-41 Muon to electron conversion							
experiment, FNAL	25,000	25,000	40,100	43,500	+3,400	+8.5%	
Total, Construction	37,000	37,000	66,100	88,521	+22,421	+33.9%	
Total, High energy physics	766,000	745,232	795,000	817,997	+22,997	+2.9%	
Nuclear physics							
Operation and maintenance		474,244	509,600	535,658	+26,058	+5.1%	
Construction:		17 1,2 11	000,000	000,000	120,000	10.17	
14-SC-50 Facility for rare isotope beams							
Michigan State University	90,000	90,000	100,000	100,000			
06-SC-01 12 GeV continuous							
electron beam accelerator facility upgrade,							
Thomas Jefferson National							
Accelerator Facility Newport News, VA		16,500	7,500		-7,500	-100.0%	
Total, Construction		106,500	107,500	100,000	-7,500	-7.0%	
Total, Nuclear physics	595,500	580,744	617,100	635,658	+18,558	+3.0%	
Workforce development for teachers and scientists	19,500	19,500	19,500	20,925	+1,425	+7.3%	
violitione development for teachers and scientists	19,500	19,500	19,500	20,925	+1,425	+7.57	
Science laboratories infrastructure Infrastructure support							
Payment in lieu of taxes	1,713	1,713	1,713	1,764	+51	+3.0%	
Oak Ridge landlord		5,777	6,177	6,182	+5	+0.19	
Facilities and infrastructure		6,100	24,800	32,603	+7,803	+31.5%	
Oak Ridge nuclear operations	,		12,000	26,000	+14,000	+116.79	
Total, Infrastructure support		13,590	44,690	66,549	+21,859	+48.9%	
Construction							
17-SC-71 Integrated Engineering Research				0.500	0.500		
Center, FNAL				2,500	+2,500	N/A	
17 SC-73 Core Facility Revitalization							
(BNL)				1,800	+1,800	N/A	
4F CC 79 Integrative research building							
15-SC-78 Integrative genomics building,	12.000	12.000	20,000	10 561	-430	-2.2%	
LBNL	12,090	12,090	20,000	19,561	-439	-2.2%	
15-SC-77 Photon science laboratory building,							
SLAC	10,000	10,000	25,000	20,000	-5,000	-20.0%	
15-SC-76 Materials design laboratory,	- ^	-	22.27	40 500		40.00	
ANL	7,000	7,000	23,910	19,590	-4,320	-18.1%	

	FY 2015 Enacted	FY 2015 Current	FY 2016 Enacted	FY 2017 Congressional	FY 2017 vs. FY 2016	
	Approp.	Approp.	Approp.	Request	\$	%
15-SC-75 Infrastructure and operational		05.000				
Improvements, PPPL	25,000	25,000				
12-SC-70 Science and user support						
building, SLAC		11,920				
Total, Construction	66,010	66,010	68,910	63,451	-5,459	-7.9%
Total, Science Laboratories Infrastructure	79,600	79,600	113,600	130,000	+16,400	+14.4%
Safeguards and security	93,000	93,000	103,000	103,000		
Science program direction	183,700	183,700	185,000	204,481	+19,481	+10.5%
Small business innovation research (SBIR)		132,905				
Subtotal, Science	5,071,000	5,071,000	5,350,200	5,572,069	+221,869	+4.1%
Adjustments: SBIR/STTR (Other DOE)		65,075				
Subtotal, Science	5,071,000	5,136,075	5,350,200	5,572,069	+221,869	+4.1%
oublotal, oblicitor	3,071,000	3,130,073	3,330,200	3,372,003	1221,003	17.170
Rescissions:						
Rescission of prior year balances (Gen. Prov.)		-3,262	-3,200		+3,200	+100.0%
Total, Rescissions		-3,262	-3,200		+3,200	+100.0%
Total, Science	5,067,738	5,132,813	5,347,000	5,572,069	+225,069	+4.2%
Advanced Research Projects Agency - Energy						
(previously ENERGY TRANSFORMATION ACCELERATION FUND)						
Advanced research projects agency - Energy ARPA-E projects	252,000	252,000	261,750	318,000	+56,250	+21.5%
Program direction	,	28,000	29,250	32,000	+2,750	+9.4%
Subtotal, Advanced research projects agency - Energy	280,000	280,000	291,000	350,000	+59,000	+20.3%
Rescissions:	200,000	200,000	201,000	000,000	100,000	120.070
Rescission of prior year balances (Gen. Prov.)	-18	-18				
Total, Advanced Research Projects Agency - Energy	279,982	279,982	291,000	350,000	+59,000	+20.3%
Office Of Indian Energy						
Program direction				4,800	+4,800	N/A
Tribal energy program				18,130	+18,130	N/A
Total, Office Of Indian Energy				22,930	+22,930	N/A
Departmental Administration						
Office of the Secretary	5,008	5,008	5,008	5,300	+292	+5.8%
Chief financial officer	47,000 62,946	47,000 62,946	47,024 65,000	53,084 59,114	+6,060 -5,886	+12.9% -9.1%
Chief human capital officer	24,500	24,500	24,500	25,424	+924	+3.8%
Chief information officer	74,164	74,164	73,218	93,074	+19,856	+27.1%
Congressional & intergovernmental affairs	6,300	5,846	6,300	6,200	-100	-1.6%
Office of Indian energy policy and programs	16,000	16,000	16,000		-16,000	-100.0%
Office of Small and disadvantaged						
business utilization	2,253	2,253	3,000	3,300	+300	+10.0%
Office of the Energy jobs development				3,700	+3,700	N/A
Economic impact and diversity	9,000	8,800	10,000	11,319	+1,319	+13.2%
General counsel	33,000	32,554	33,000	33,000		
Energy policy and systems analysis	31,181	31,181	31,297	31,000	-297	-0.9%
International affairsPublic affairs	13,000	14,943	18,000	19,107	+1,107	+6.2%
Project Management Oversight and Assessments	3,431	3,231	3,431	3,431		N/A
Cost estimating and program evaluation				18,000 5,000	+18,000 +5,000	N/A N/A
Strategic partnership projects (SPP)	42,000	42,000	40,000	40,000		
Subtotal, Departmental Administration (gross)	369,783	370,426	375,778	410,053	+34,275	+9.1%
Adjustments						
Adjustments: Transfer from State (IA)		10,000				
		. 0,000				
Use of prior year balances (GC)	-2,000	-2,000	-2,000		+2,000	+100.0%
Use of prior year balances (CIO)	-2,205	-2,205				
Use of prior year balances (CI)	-1,600	-1,600				
Use of prior year balances & other adj. (SPP)			-6,800	-20,300	-13,500	-198.5%

Г	FY 2015	FY 2015		FY 2017	FY 2017 vs. FY 2016		
	Enacted	Current	Enacted	Congressional			
Funding from other defense activities (CFO/CIO)	Approp.	Approp.	Approp.	Request	\$	%	
Funding from other defense activities (CFO/CiO) Funding from other defense activities (CFO)	-46,877	-46,877	-42,618	-23,642	+18,976	+44.5%	
Funding from other defense activities (CIO)	-71,959	-71,959	-73.218	-93.074	-19,856	-27.1%	
Funding from other defense activities (MA)			-3,000		+3,000	+100.0%	
Funding from other defense activities (PMAO)				-3,000	-3,000	N/A	
Total, Funding from ODA (CFO/CIO)		-118,836	-118,836	-119,716	-880	-0.7%	
Total, Adjustments		-114,641	-127,636	-140,016	-12,380	-9.7%	
Subtotal, Departmental Administration	245,142	255,785	248,142	270,037	+21,895	+8.8%	
Rescissions. Rescission of prior year balances (SPP)	-928	-928					
Total, Departmental Administration (gross)	244,214	254,857	248.142	270,037	+21,895	+8.8%	
Miscellaneous revenues	,	-119,171	-117,171	-125,171	-8,000	-6.8%	
Total, Departmental Administration (Net)	125,043	135,686	130,971	144,866	+13,895	+10.6%	
Office Of Inspector General							
Office of inspector general	40,500	40,500	46,424	44,424	-2,000	-4.3%	
Total, Office Of Inspector General	40,500	40,500	46,424	44,424	-2,000	-4.3%	
Title 17 - Innovative Technology Loan							
Guarantee Program							
Administrative expenses	42,000	42,000	42,000	37,000	-5,000	-11.9%	
Offsetting collections Total, Title 17 - Innovative Technology	-25,000	-25,000	-25,000	-27,000	-2,000	-8.0%	
Loan Guarantee Program	17,000	17,000	17,000	10,000	-7,000	-41.2%	
A harmond Tarabana Makada Manada atau							
Advanced Technology Vehicles Manufacturing Loan Program							
Administrative expenses	4,000	4,000	6,000	5,000	-1,000	-16.7%	
Total, Advanced Technology Vehicles	1,000	1,000	0,000	0,000	1,000	10.770	
Manufacturing Loan Program	4,000	4,000	6,000	5,000	-1,000	-16.7%	
Office Of Technology Transitions							
Office of Technology Transitions				8,400	+8,400	N/A	
Weapons Activities							
Directed stockpile work							
Life extension programs and major alterations							
B61 Life extension program	643,000	644,420	643,300	616,079	-27,221	-4.2%	
W76 Life extension program	259,168	234,168	244,019	222,880	-21,139	-8.7%	
W88 Alt 370 Cruise missile warhead life extension study	165,400 9,418	204,400	220,176	281,129	+60,953	+27.7%	
W80-4 Life extension program	9,410	10,360	195,037	220,253	+25,216	+12.9%	
Total, Life extension programs and			100,007	220,200	120,210	112.070	
major alterations	1,076,986	1,093,348	1,302,532	1,340,341	+37,809	+2.9%	
Stockpile systems							
B61 Stockpile systems	109,615	114,615	52,247	57,313	+5,066	+9.7%	
W76 Stockpile systems	45,728	41,564	50,921	38,604	-12,317	-24.2%	
W78 Stockpile systems	62,703	59,833	64,092	56,413	-7,679	-12.0%	
W80 Stockpile systems	70,610	75,610	68,005	64,631	-3,374	-5.0%	
B83 Stockpile systemsW87 Stockpile systems	63,136 91,255	63,136 89,005	42,177 89,299	41,659 81,982	-518 -7,317	-1.2% -8.2%	
W88 Stockpile systems	88,060	86,625	115,685	103,074	-12,611	-10.9%	
Total, Stockpile systems	531,107	530,388	482,426	443,676	-38,750	-8.0%	
Weapons dismantlement and disposition							
Operations and maintenance	50,000	50,000	52,000	68,984	+16,984	+32.7%	
Stockpile services Production support	350,942	352,442	447,527	457,043	+9,516	+2.1%	
Research and development support	25,500	25,500	41,059	34,187	-6,872	-16.7%	
R&D certification and safety	160,000	160,000	185,000	156,481	-28,519	-15.4%	
Management, technology, and production	226,000	226,000	264,994	251,978	-13,016	-4.9%	
Distonium quatainment	220,000	220,000	204,334	201,010	15,010		
Plutonium sustainment	132,000	132,000		,	·		
Tritium readiness	132,000	,		,	,		

	FY 2015	FY 2015	FY 2016	FY 2017	EV 2017 vc. F	V 2016
	Enacted	Current	Enacted	Congressional	FY 2017 vs. F	
Objects with an attacked	Approp.	Approp.	Approp.	Request	\$	%
Strategic materials Uranium sustainment			32,916	20,988	-11,928	-36.2%
Plutonium sustainment			174,698	184,970	+10,272	+5.9%
Tritium sustainment			104,600	109,787	+5,187	+5.0%
Domestic uranium enrichment			50,000	50,000		
Strategic materials sustainment			250,040	212,092	-37,948	-15.2%
Total, Strategic materials			612,254	577,837	-34,417	-5.6%
Total, Directed stockpile work	2,692,588	2,709,731	3,387,792	3,330,527	-57,265	-1.7%
Research, development, test and evaluation (RDT&E) Science						
Advanced certification	58,747	58,747	58,747	58,000	-747	-1.3%
Primary assessment technologies	109,000	109,000	95,512	99,000	+3,488	+3.7%
Dynamic materials properties	109,000	109,000	100,400	106,000	+5,600	+5.6%
Advanced radiography	47,000	47,000	45,700	50,500	+4,800	+10.5%
Secondary assessment technologies Academic alliances and partnerships	88,344	88,344	72,900 49,800	76,000 52,484	+3,100 +2,684	+4.3% +5.4%
Total, Science	412,091	412,091	423,059	441,984	+18,925	+4.5%
. 5.2., 6.6., 6.6.	,00.	,00.	.20,000	,	7.0,020	
Engineering Enhanced surety	52,003	52,003	50,821	37,196	-13,625	-26.8%
Weenen austome engineering accessment						
Weapon systems engineering assessment technology	20,832	20,832	17,371	16,958	-413	-2.4%
Nuclear survivability	25,371	25,371	24,461	43,105	+18,644	+76.2%
Enhanced surveillance	37,799	37,799	38,724	42,228	+3,504	+9.0%
Total, Engineering	136,005	136,005	131,377	139,487	+8,110	+6.2%
Inertial confinement fusion ignition and						
high yield Ignition	77,994	77.994	76,334	75,432	-902	-1.2%
Support of other stockpile programs	23,598	23,598	22,843	23,363	+520	+2.3%
Diagnostics, cryogenics and experimental	20,000	20,000	22,010	20,000	1020	12.070
support	61,297	61,297	58,587	68,696	+10,109	+17.3%
Pulsed power inertial confinement fusion	5,024	5,024	4,963	5,616	+653	+13.2%
Joint program in high energy density						
laboratory plasmas	9,100	9,100	8,900	9,492	+592	+6.7%
Facility operations and target production	335,882	335,882	339,423	340,360	+937	+0.3%
Total, Inertial confinement fusion and high	000,002	000,002	000,120	010,000	1007	10.070
yield	512,895	512,895	511,050	522,959	+11,909	+2.3%
Advanced simulation and computing	598,000	598,000	623,006	663,184	+40,178	+6.4%
Advanced manufacturing development Additive manufacturing	12,600	12,600	12,600	12,000	-600	-4.8%
Component manufacturing development	75,000	75,000	99,656	46,583	-53.073	-53.3%
Process technology development		19,600	17,800	28,522	+10,722	+60.2%
Total, Advanced manufacturing development	107,200	107,200	130,056	87,105	-42,951	-33.0%
Total, RDT&E	1,766,191	1,766,191	1,818,548	1,854,719	+36,171	+2.0%
Infrastructure and operations (formerly RTBF)						
Operating						
Operations of facilities						
Kansas City Plant			100,250	101,000	+750	+0.7%
Lawrence Livermore National Laboratory			70,671	70,500	-171	-0.2%
Los Alamos National Laboratory			196,460	196,500	+40	+0.0%
Nevada Test Site			89,000	92,500	+3,500	+3.9%
Pantex			58,021	55,000	-3,021	-5.2%
Sandia National Laboratory			115,300	118,000	+2,700	+2.3%
Y-12 National security complex			80,463 120,625	83,500 107,000	+3,037 -13,625	+3.8% -11.3%
Total, Operations of facilities			830,790	824,000	-6,790	-0.8%
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Safety and environmental operations			107,701	110,000	+2,299	+2.1%

	FY 2015 Enacted	FY 2015 Current	FY 2016 Enacted	FY 2017 Congressional	FY 2017 vs.	FY 2016
	Approp.	Approp.	Approp.	Request	\$	%
Maintenance and repair of facilities				•		
Maintenance and repair of facilities				294,000	+294,000	N/A
Site maintenance			252,000		-252,000	-100.0%
High- risk excess facilities			25,000		-25,000	-100.0%
Total, Maintenance and repair of facilities			277,000	294,000	+17,000	+6.1%
Recapitalization			050 704	554040	000.040	440.004
Infrastructure and safety			253,724	554,643	+300,919	+118.6%
Capability based investment			98,800	112,639 667,282	+13,839	+14.0% +89.3%
Total, Recapitalization Total, Operating			352,524 1,568,015	1,895,282	+314,758 +327,267	+09.3%
Construction:						
17-D-640, U1a Complex Enhancements Project, NNSS				11,500	+11,500	N/A
17-D-630 Electrical Infrastructure Upgrades, LLNL				25,000	+25,000	N/A
16-D-621 TA-3 substation replacement, LANL			25,000		-25,000	-100.0%
16-D-515 Albuquerque complex upgrades project			8,000	15,047	+7,047	+88.1%
15-D-613 Emergency Operations Center, Y-12			17,919	2,000	-15,919	-88.8%
15-D-302, TA-55 Reinvestment project,			40.405	04.455	. 0. 000	. 47.00/
Phase 3, LANL			18,195	21,455	+3,260	+17.9%
11-D-801 TA-55 Reinvestment project Phase 2, LANL			3,903		-3,903	-100.0%
07-D-220 Radioactive liquid waste						
treatment facility upgrade project, LANL			11,533		-11,533	-100.0%
07-D-220-04 Transuranic liquid waste facility, LANL			40,949	17,053	-23,896	-58.4%
Uranium processing facility (UPF) 06-D-141 PED/Construction, UPF						
Y-12, Oak Ridge, TN			289,128	575,000	+285,872	+98.9%
06-D-141 - 02 Site preparation, UPF						
Y-12, Oak Ridge, TN Total, Uranium processing facility (UPF)			140,872 430.000	575,000	-140,872 +145,000	-100.0% +33.7%
Total, Oranium processing facility (OFF)			430,000	373,000	+145,000	+33.7 /0
Chemistry and metallurgy replacement (CMRR) 04-D-125 - 04 RLUOB equipment installation			117,000	159,615	+42,615	+36.4%
04-D-125 - 05 PF -4 equipment installation			38,610		-38,610	-100.0%
Total, Chemistry & metallurgy replacement (CMRR)			155,610	159,615	+4,005	+2.6%
Total, Construction			711,109	826,670	+115,561	+16.3%
Total, Infrastructure and operations			2,279,124	2,721,952	+442,828	+19.4%
Readiness in technical base and facilities (RTBF) Operating						
Operations of facilities						
Kansas City Plant	125,000	125,000				
Lawrence Livermore National Laboratory		71,000				
Los Alamos National Laboratory		198,000				
Nevada National Security Site	89,000 75,000	89,000 72,353				
PantexSandia National Laboratory		72,353 106,000				
Savannah River Site		81,000				
Y-12 National security complex		149,917				
Total, Operations of facilities		892,270				
Program readiness		71,892				
Material recycle and recovery		126,000				
Containers	26,000	26,000				
Storage	40,800	40,800				

	FY 2015 Enacted	FY 2015 Current	FY 2016 Enacted	FY 2017 Congressional	FY 2017 vs. F	-Y 2016
	Approp.	Approp.	Approp.	Request	\$	%
Maintenance and repair of facilities	227,000	227,000				
Recapitalization		224,600				
Total, Operating	1,608,400	1,608,562				
Construction:						
15-D-613 Emergency Operations Center, Y-12	2,000	2,000				
15-D-301 HE Science & Engineering						
Facility, PX	11,800	11,800				
15-D-302, TA-55 Reinvestment project,						
Phase 3, LANL	16,062	16,062				
12-D-301 TRU waste facilities, LANL	6,938	6,938				
11-D-801 TA-55 Reinvestment project						
Phase 2, LANL	10,000	10,000				
07-D-220-04 Transuranic liquid waste facility,						
LANL	7,500	7,500				
06-D-141 Uranium processing facility						
Y-12, Oak Ridge, TN	335,000	335,000				
04-D-125 Chemistry and metallurgy research						
facility replacement project, LANL	35,700	35,700				
Total, Construction	425,000	425,000				
Total, Readiness in technical base and facilities	2,033,400	2,033,562				
Secure transportation asset						
Operations and equipment	121,882	122,806	140,000	179,132	+39,132	+28.0%
Program direction	97,118	97,118	97,118	103,600	+6,482	+6.79
Total, Secure transportation asset	219,000	219,924	237,118	282,732	+45,614	+19.29
Nuclear counterterrorism incident response	177,940	178,190				
Counterterrorism and Counterproliferation Programs	46,093	46,093				
Site stewardship						
Environmental projects and operations	48,700	48,700				
Nuclear materials integration	13,300	13,300				
Minority serving institution partnerships						
program	14,531	14,531				
Total, Site stewardship	76,531	76,531				
Defense nuclear security						
Operations and maintenance	636,123	636,123	639,891	657,133	+17,242	+2.7%
Security improvements program			30,000		-30,000	-100.09
Construction:						
14-D-710 Device assembly facility argus installation project, NV			13,000	13,000		
Total, Defense nuclear security	636,123	636,123	682,891	670,133	-12,758	-1.9%
•	•					
Information technology and cybersecurity	179,646	179,646	157,588	176,592	+19,004	+12.19
Safeguards and security Defense nuclear security						
Legacy contractor pensions	307,058	307,058	283,887	248,492	-35,395	-12.5%
Domestic uranium enrichment research,	67.005	07.000				
development, and demonstration		97,200	0.040.040	0.005.147	. 400 400	
ubtotal, Weapons activitiesAdjustments	8,231,770	8,250,249	8,846,948	9,285,147	+438,199	+5.0%
		-18,229				
·		10,443		0.005.447	+438,199	. F 00
Use of prior year balances		8,232,020	8,846,948	9,285,147	T430,133	+5.07
Use of prior year balancesubtotal, Weapons activities		8,232,020	8,846,948	9,285,147	+436,199	+5.07
Use of prior year balances	8,231,770 -45,113	-45,113		-42,000	-42,000	
Use of prior year balancesubtotal, Weapons activities	8,231,770 -45,113		· · ·			+5.0% N/A N/A

	FY 2015 Enacted	FY 2015 Current	FY 2016 Enacted	FY 2017 Congressional	FY 2017 vs. FY 2016	
	Approp.	Approp.	Approp.	Request	\$	%
Defense Nuclear Nonproliferation			FF		Ŧ .	
Defense Nuclear Nonproliferation Programs Global material security						
Global material security				337,108	+337,108	N/A
International nuclear security			130,527		-130,527	-100.0%
Radiological security			153,749		-153,749	-100.0%
Nuclear smuggling detection			142,475		-142,475	-100.0%
Total, Global material security			426,751	337,108	-89,643	-21.0%
Material management and minimization						
Material management and minimization				341,094	+341,094	N/A
HEU reactor conversion			115,000		-115,000	-100.0%
Nuclear material removal			115,000		-115,000	-100.0%
Material disposition			86,584		-86,584	-100.0%
Total, Material management and minimization			316,584	341,094	+24,510	+7.7%
Nonproliferation and arms control			130,203	124,703	-5,500	-4.2%
Defense nuclear nonproliferation R&D	000.404		440.000		05.444	0.40/
Defense Nuclear Nonproliferation R&D	393,401	386,308	419,333	393,922	-25,411	-6.1%
Nonproliferation construction U. S. Construction:						
99-D-143 Mixed Oxide (MOX) Fuel Fabrication Facility, SRS			340,000	270,000	-70,000	-20.6%
Total, Nonproliferation construction			340,000	270,000	-70,000	-20.6%
Global threat reduction initiative						
Global threat reduction initiative		2,200				
HEU reactor conversion		119,383				
latera effected and an effect of all						
International nuclear and radiological material removal and protection	117,737	120,337				
Domestic radiological material removal	00.000	00.000				
and protection Total, Global threat reduction initiative		88,632 330,552				
Total, Global tilleat Teduction Illitiative	323,732	330,332				
Nonproliferation and international security	141,359	141,359				
International material protection						
and cooperation	270,911	270,607				
Fissile materials disposition						
U.S. surplus fissile materials disposition						
Operations and maintenance						
U.S. plutonium disposition	60,000	60,000				
U.S. uranium disposition		35,000				
Total, Operations and maintenance	85,000	95,000				
Construction:						
99-D-143 Mixed oxide fuel fabrication						
facility, Savannah River, SC		345,000				
Total, Construction		345,000				
Total, Fissile materials disposition		440,000				
Total, Defense Nuclear Nonproliferation Programs	1,561,423	1,568,826	1,632,871	1,466,827	-166,044	-10.2%
Legacy contractor pensions	102,909	102,909	94,617	83,208	-11,409	-12.1%
Nuclear counterterrorism and incident response			004000	071.001	07.404	10.00/
programSubtotal, Defense Nuclear Nonproliferation		1,671,735	234,390 1,961,878	271,881 1,821,916	+37,491	+16.0%
Adjustments		,,3	,,	,,	,	70
Use of prior year balances	00.000	-32,963	-21,576		+21,576	+100.0%
	-22,963	•				
Rescissions:	-22,963	,				
Rescissions: Rescission of prior year balances		-24,731		-14,000	-14,000	N/A
	-24,731 -1,390	-1,390				
Rescission of prior year balances	-24,731 -1,390 -26,121				-14,000 -14,000 -132,386	N/A N/A -6.8%

	FY 2015	FY 2015	FY 2016	FY 2017	FY 2017 vs. FY 2016	
	Enacted Approp.	Current Approp.	Enacted Approp.	Congressional Request	\$	%
Naval Reactors					•	
Naval reactors operations and infrastructure	390,000	390,000	445,196	449,682	+4,486	+1.0%
Naval reactors development	411,180	411,180	446,896	437,338	-9,558	-2.1%
Ohio replacement reactor systems development	156,100	156,100	186,800	213,700	+26,900	+14.4%
S8G Prototype refueling	126,400	126,400	133,000	124,000	-9,000	-6.8%
Program direction	41,500	41,500	42,504	47,100	+4,596	+10.8%
Construction:						
17-D-911, BL Fire System Upgrade				1,400	+1,400	N/A
15-D-904 NRF Overpack Storage Expansion 3	400	400	900	700	-200	-22.2%
15-D-903 KL Fire System Upgrade	600	600	600		-600	-100.0%
15-D-902 KS Engineroom team trainer facility			3,100	33,300	+30,200	+974.2%
14-D-902 KL Materials characterization laboratory expansion, KAPL			30,000		-30,000	-100.0%
14-D-901 Spent fuel handling recapitalization						
project, NRF	70,000	70,000	86,000	100,000	+14,000	+16.3%
13-D-905 Remote-handled low-level waste						
disposal project, INL	14,420	14,420				
13-D-904 KS Radiological work and storage						
building, KSObuilding, KSO	20,100	20,100				
10-D-903, Security upgrades, KAPL	7,400	7,400	500	12,900	+12,400	+2,480.0%
00 D 400 Funes and Core Feelite M 200						
08-D-190 Expended Core Facility M-290						
receiving/discharge station,	400	400				
Naval Reactor Facility, ID		400	101 100	440,200		. 22 50/
Total, Construction	113,320 1,238,500	113,320	121,100 1,375,496	148,300	+27,200	+22.5%
Subtotal, Naval Reactors	1,238,500	1,238,500	1,375,496	1,420,120	+44,624	+3.2%
Rescissions:						
Rescission of prior year balances	-4,500	-4,500				
Rescission of prior year balances (Gen. Prov.)	-160	-160				
Total, Rescissions		-4,660				
Total, Naval Reactors	1,233,840	1,233,840	1,375,496	1,420,120	+44,624	+3.2%
Office Of The Administrator						
Office Of The Administrator	-413	-413				
Rescission of prior year balances (Gen. Prov.) Total, Office Of The Administrator		-413 -413				
Total, Office of the Administrator	-413	-413				
Federal Salaries And Expenses						
Program direction	370,000	370,000	383,666	412,817	+29,151	+7.6%
Rescission Total, Federal Salaries And Expenses	370,000	370,000	-19,900 363,766	412,817	+19,900 + 49,051	+100.0% +13.5%
Total, Federal Salaries And Expenses	370,000	370,000	303,700	412,017	+49,031	+13.5 /6
Defense Environmental Cleanup						
Closure sites:						
Closure sites administration	4,889	4,889	4,889	9,389	+4,500	+92.0%
Hanford site:						
River corridor and other cleanup operations:						
River corridor and other cleanup operations	377,788	377,788	270,710	69,755	-200,955	-74.2%
Central plateau remediation:						
Central plateau remediation	497,456	497,456	555,163	620,869	+65,706	+11.8%
Total, Central plateau remediation	497,456	497,456	555,163	620,869	+65,706	+11.8%
Richland community and regulatory support	19,701	19,701	19,701	14,701	-5,000	-25.4%
Construction		.0,.01		,	5,000	20
15-D-401 Containerized sludge removal						
annex, RL	46,055	46,055	77,016	11,486	-65,530	-85.1%
Total, Hanford site	941,000	941,000	922,590	716,811	-205,779	-22.3%

	FY 2015	FY 2015	FY 2016	FY 2017	FY ZU11 / VS FY	
	Enacted Approp.	Current Approp.	Enacted Approp.	Congressional Request	\$	%
Idaho National Laboratory:						
Idaho cleanup and waste disposition	377,293	377,293	393,000	359,088	-33,912	-8.6%
Idaho community and regulatory support Total, Idaho National Laboratory	2,910 380,203	2,910 380,203	3,000 396,000	3,000 362,088	-33.912	-8.6%
Total, Idano National Laboratory	360,203	360,203	390,000	302,088	-33,912	-0.0 /0
Los Alamos National Laboratory						
EMLA cleanup activities				185,606	+185,606	N/A
EMLA community and regulatory support Total, Los Alamos National Laboratory				3,394 189.000	+3,394	N/A N/A
Total, Los Alamos National Eaboratory				103,000	1100,000	14/74
NNSA sites and Nevada off-sites						
Lawrence Livermore National Laboratory	1,366	1,366	1,366	1,396	+30	+2.2%
Nuclear facility D & D				0.005	.0.005	N1/A
Separations Process Research Unit Nevada	64,851	64,851	62,385	3,685 62,176	+3,685 -209	N/A -0.3%
Sandia National Laboratories	2,801	2,801	2,500	4,130	+1,630	+65.2%
	,	,	,	,	,	
Los Alamos National Laboratory						
Los Alamos National Laboratory	185,000	185,000	185,000		-185,000	-100.0%
Construction: 15-D-406 Hexavalent chromium D & D						
(VI-Lani-0030)	4,600	4,600				
Total, Los Alamos National Laboratory		189,600	185,000		-185,000	-100.0%
Total, NNSA sites and Nevada off-sites	258,618	258,618	251,251	71,387	-179,864	-71.6%
Oals Bidge Becometions						
Oak Ridge Reservation: OR Nuclear facility D & D						
OR Nuclear facility D & D	73,155	73,155	111,958	93,851	-18,107	-16.2%
Construction	,	,	,	,	,	
14-D-403 Outfall 200 Mercury Treatment						
Facility		9,400	9,400	5,100	-4,300	-45.7%
Total, OR Nuclear facility D & D	82,555	82,555	121,358	98,951	-22,407	-18.5%
U233 Disposition Program			35,895	37,311	+1,416	+3.9%
OR cleanup and disposition			,	,	,	
OR cleanup and disposition	131,930	131,930	74,597	54,557	-20,040	-26.9%
Construction:						
15-D-405 - Sludge Buildout	4,200 136,130	4,200 136,130	74,597	54,557	-20,040	-26.9%
Total, ON clearup and disposition	130,130	130,130	74,557	34,337	-20,040	-20.976
OR community & regulatory support	4,365	4,365	4,400	4,400		
Solid waste stabilization and disposition						
Oak Ridge technology development			2,800	3,000	+200	+7.1%
Total, Oak Ridge Reservation	223,050	223,050	239,050	198,219	-40,831	-17.1%
Office of River Protection:						
Waste treatment and immobilization plant						
WTP operations				3,000	+3,000	N/A
Construction:						
15-D-409 Low activity waste pretreatment system, ORP	23,000	23,000	75,000	73,000	-2,000	-2.7%
System, C.V. IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	20,000	20,000	. 0,000	. 0,000	2,000	2 /0
01-D-416 A-D/ORP-0060 / Major construction	667,000	667,000	690,000	690,000		
Total, Waste treatment & immobilization plant	690,000	690,000	765,000	766,000	+1,000	+0.1%
Tank farm activities						
Rad liquid tank waste stabilization						
and disposition	522,000	522,000	649,000	721,456	+72,456	+11.2%
Total, Office of River protection	1,212,000	1,212,000	1,414,000	1,487,456	+73,456	+5.2%
Savannah River Sites:						
Savannah River risk management operations:						
Nuclear material stabilization and disposition	259,910	249,507	254,655		-254,655	-100.0%
SNF stabilization and disposition	24,407 66,069	42,266 61,659	41,407 66,044		-41,407 -66,044	-100.0% -100.0%
Solid waste stabilization and disposition	47,590	44,544	51,546		-50,044 -51,546	-100.0%
Total, Savannah River risk management operations	397,976	397,976	413,652		-413,652	-100.0%
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	FY 2015 Enacted	FY 2015 Current	FY 2016 Enacted	FY 2017 Congressional	FY 2017 vs.	FY 2016
	Approp.	Approp.	Approp.	Request	\$	%
Nuclear Material Management Nuclear Material Management				311,062	+311,062	N/A
Environmental Cleanup Environmental Cleanup				152,504	+152,504	N/A
SR community and regulatory support	11,013	11,013	11,249	11,249		
Radioactive liquid tank waste: Radioactive liquid tank waste stabilization						
and disposition	547,318	547,318	554,878	645,332	+90,454	+16.3%
Construction: 15-D-402 - Saltstone Disposal Unit #6, SRS	30,000	30,000	34,642	7,577	-27,065	-78.1%
15-D-404 - Saltstone Disposal Unit #7				9,729	+9,729	N/A
05-D-405 Salt waste processing facility,		125 000	104.000	160,000	24.000	17 50/
Savannah River Site Total, Construction		135,000 165,000	194,000 228,642	160,000 177,306	-34,000 -51,336	-17.5% -22.5%
Total, Radioactive liquid tank waste		712,318	783,520	822,638	+39,118	+5.0%
Total, Savannah River Site		1,121,307	1,208,421	1,297,453	+89,032	+7.4%
Waste Isolation Pilot Plant						
Operations and maintenance	304,000	304,000	269,260	257,188	-12,072	-4.5%
15-D-411 Safety significant confinement						
ventilation system, WIPP	12,000	12,000	23,218	2,532	-20,686	-89.1%
15-D-412 Exhaust shaft, WIPP	4,000	4,000	7,500	2,533	-4,967	-66.2%
Total, Construction	16,000	16,000	30,718	5,065	-25,653	-83.5%
Total, Waste Isolation Pilot Plant	320,000	320,000	299,978	262,253	-37,725	-12.6%
Program direction		280,784	281,951	290,050	+8,099	+2.9%
Program support		14,979	14,979	14,979		
Safeguards and Security:	240,000	240,000	236,633	255,973	+19,340	+8.2%
Technology developmentInfrastructure recapitalization	14,000	13,538	20,000	30,000 41,892	+10,000 +41,892	+50.0% N/A
Defense Uranium enrichment D&D				155,100	+155,100	N/A
Subtotal, Defense environmental cleanup		5,010,368	5,289,742	5,382,050	+92,308	+1.7%
Rescissions:						
Rescission of prior year balances		-10,830				
Rescission of prior year balances (Gen. Prov.)		-9,983				
Subtotal, Rescissions Total, Defense Environmental Cleanup		-20,813 4,989,555	5,289,742	5,382,050	+92,308	+1.7%
Other Defense Activities						
Environment, health, safety and security						
Environment, health, safety and security		120,763	118,763	130,693	+11,930	+10.0%
Program direction		62,235	62,235	66,519	+4,284	+6.9%
Total, Environment, Health, safety and security		182,998	180,998	197,212	+16,214	+9.0%
Independent enterprise assessments	04.000		04.000	04.500	540	0.40/
Independent enterprise assessments		22,068	24,068	24,580	+512	+2.1% +4.9%
Program direction Total, Independent enterprise assessments		49,466 71,534	49,466 73,534	51,893 76,473	+2,427 +2,939	+4.9%
Specialized security activities	203,152	203,152	230,377	237,912	+7,535	+3.3%
Office of Logocy Management						
Office of Legacy Management Legacy management		158,639	154,080	140,306	-13,774	-8.9%
Program direction		13,341	13,100	14,014	+914	+7.0%
Total, Office of Legacy Management		171,980	167,180	154,320	-12,860	-7.7%
Defense related administrative support						
Chief financial officer	,	46,877	42,618	23,642	-18,976	-44.5%
Chief information officer		71,959	73,218	93,074	+19,856	+27.1%
Management Project management oversight and Assessments			3,000	3,000	-3,000 +3,000	-100.0% N/A
Total, Defense related administrative support		118,836	118,836	119,716	+880	+0.7%

	FY 2015 Enacted	FY 2015 Current	FY 2016 Enacted	FY 2017 Congressional	FY 2017 vs.	FY 2016
	Approp.	Approp.	Approp.	Request	\$	%
Office of hearings and appeals		5,500	5,500	5,919	+419	+7.6%
Subtotal, Other defense activities	754,000	754,000	776,425	791,552	+15,127	+1.9%
Rescissions:	100	100				
Rescission of prior year balances (LM)		-169 -87				
Rescission of prior year balances (EHS&S) Rescission of prior year balances (OHA)		-258				
Rescission of prior year balances (SSA)		-37				
Subtotal, Rescissions		-551				
Total, Other Defense Activities		753,449	776,425	791,552	+15,127	+1.9%
Power Marketing Administrations						
Southeastern Power Administration						
Purchase power and wheeling	89,710	89,710	83,600	78,929	-4,671	-5.6%
Program direction		7,220	6,900	6,000	-900	-13.0%
Subtotal, Southeastern Power Administration	96,930	96,930	90,500	84,929	-5,571	-6.2%
Less alternative financing (for PPW)	16,131	-16,131	-17,100	-18,169	-1,069	-6.3%
Offsetting collections (for PPW)		-73,579	-66,500	-60,760	+5,740	+8.6%
Offsetting collections (PD)		-2,220	-6,900	-1,000	+5,900	+85.5%
Use of Prior Year Balances		-5,000		-5,000	-5,000	N/A
Total, Southeastern Power Administration						
Southwestern Power Administration						
Operations and maintenance	15,174	15,174	19,279	13,896	-5,383	-27.9%
Purchase power and wheeling		63,000	73,000	83,000	+10,000	+13.7%
Program direction		31,089	31,932	31.516	-416	-1.3%
Construction	,	13,403	12,012	12,486	+474	+3.9%
Subtotal, Southwestern Power Administration		122,666	136,223	140,898	+4,675	+3.4%
Less alternative financing (for O&M)	5,934	-5,934	-8,288	-6,269	+2,019	+24.4%
Less alternative financing (for PPW)		-10,000	-10,000	-10,000		
Less alternative financing (Const)		-7,492	-7,574	-5,986	+1,588	+21.0%
Offsetting collections (for program direction)		-29,402	-29,938	-29,271	+667	+2.2%
Offsetting collections (for O&M)	5,438	-5,438	-6,023	-5,315	+708	+11.8%
Offsetting collections (for PPW)	53,000	-53,000	-63,000	-73,000	-10,000	-15.9%
Total, Southwestern Power Administration	11,400	11,400	11,400	11,057	-343	-3.0%
Western Area Power Administration						
Western Area Power Administration (CROM)						
Construction and rehabilitation	86,645	86,645	58,374	62,442	+4,068	+7.0%
Operation and maintenance		81,958	80,901	76,697	-4,204	-5.2%
Purchase power and wheeling	,	441,223	565,927	581,634	+15,707	+2.8%
Program Direction		227,905	236,398	226,497	-9,901	-4.2%
Subtotal, Western Area Power Administration (CROM)	837,731	837,731	941,600	947,270	+5,670	+0.6%
Adjustments:						
Less alternative financing (for O & M)		-5,197	-1,757		+1,757	+100.0%
Less alternative financing (for Construction)		-74,448	-53,585	-43,884	+9,701	+18.1%
Less alternative financing (for Program Dir.)		-5,300	-5,273	-6,343	-1,070	-20.3%
Less alternative financing (for PPW) Offsetting collections (for program direction)		-180,713 -174,285	-213,114 -177,697	-214,625 -178,441	-1,511 -744	-0.7% -0.4%
Offsetting collections (for O&M)		-36,745	-36,645	-33,122	+3,523	+9.6%
Offsetting collections (P.L. 108-447/109-103)		-260,510	-352,813	-367,009	-14,196	-4.0%
Offsetting collections (P.L. 98-381)		-7,161	-7,344	-8,265	-921	-12.5%
Subtotal, Adjustments		-744,359	-848,228	-851,689	-3,461	-0.4%
Subtotal, Western Area Power Administration (CROM)	93,372	93,372	93,372	95,581	+2,209	+2.4%
Rescissions: Rescission of prior year balances (Gen. Prov.)	4 600	4 620				
Total, Western Area Power Administration (CROM)		-1,632 91,740	93,372	95,581	+2,209	+2.4%
Follow and Amintod Operating and Maintenance Firm						
Falcon and Amistad Operating and Maintenance Fund	E E00	E E20	4.050	4 202	<i>EE7</i>	44 20/
Operation and maintenance		5,529 -4.400	4,950 -4,262	4,393 -3,838	-557 +424	-11.3% +9.9%
Offsetting collections Less alternative financing		-4,499 -802	-4,262 -460	-3,030 -323	+137	+9.9%
Total, Falcon and Amistad Fund		228	228	232	+4	+1.8%

	FY 2015 Enacted		FY 2016 Enacted	FY 2017 Congressional	FY 2017 vs. FY 2016	
	Approp.	Approp.	Approp.	Request	\$	%
Colorado River Basins Power Marketing Fund	TrFr				- - 1	
Spending authority from offsetting collections						
Equipment, contracts and other related expense	167,108	167,108	153,840	151,324	-2,516	-1.6%
Program direction	61,101	61,101	61,807	62,206	+399	+0.6%
Total, Spending authority from offsetting						
collections	228,209	228,209	215,647	213,530	-2,117	-1.0%
Offsetting collections	-251,209	-251,209	-238,647	-236,530	+2,117	+0.9%
Total, Colorado River Basins	-23,000	-23,000	-23,000	-23,000	,	
Total, Western Area Power Administration	68,968	68,968	70,600	72,813	+2,213	+3.1%
Federal Energy Regulatory Commission						
Just and Reasonable Rates, Terms, and Conditions	142,574	142,574	148,921	159,650	+10.729	+7.2%
Safe, Reliable, Secure, & Efficient Infrastructure	106.004	106,004	112,507	123,576	+11,069	+9.8%
Mission Support through Organizational Excellence	55,811	55,811	58,372	63,574	+5,202	+8.9%
FERC revenues	-304,389	-304,389	-319,800	-346,800	-27,000	-8.4%
Total, Federal Energy Regulatory Commission	·		·			
Uranium Enrichment D&D Fund Discretionary Payments						
Transfer payment from Defense ER&WM	-463,000	-463,000		-155,100	-155,100	N/A
Total, Uranium Enrichment D&D Fund	-463,000	-463,000		-155,100	-155,100	N/A
-	,	,		,	,	
Defense EM Funded						
Uranium Enrichment D&D Fund	400.000	400.000				
Uranium Enrichment D&D Fund Contribution	463,000	463,000				
Fees And Recoveries, Federal Energy Regulatory						
Commission						
Fees & Recoveries In Excess Of Annual Appropriations	-28,485	-17,325	-23,587	-9,426	+14,161	+60.0%
Title Xvii Loan Guar. Prog Section 1703						
Negative Credit Subsidy Receipt			-68.000	-37,000	+31,000	+45.6%