

**U.S. DEPARTMENT OF ENERGY**  
**FY 2018 Statistical Table by Appropriation**  
(dollars in thousands - OMB Scoring)

	FY 2016 Enacted Approp.	FY 2017 Enacted Approp.	FY 2017 Annualized CR	FY 2018 Congressional Request	FY 2018 vs. FY 2016	
					\$	%

**Discretionary Summary by Appropriation**

Energy and Water Development and Related Agencies

Appropriation Summary:

Energy Programs

Energy efficiency and renewable energy.....	2,069,194	2,073,050	2,069,059	636,149	-1,433,045	-69.3%
Electricity delivery and energy reliability.....	206,000	229,651	205,608	120,000	-86,000	-41.7%
Nuclear energy.....	986,161	1,016,316	984,286	703,000	-283,161	-28.7%
Fossil energy programs						
Fossil energy research and development.....	632,000	661,485	630,799	280,000	-352,000	-55.7%
Naval petroleum and oil shale reserves.....	17,500	14,948	17,467	4,900	-12,600	-72.0%
Strategic petroleum reserve.....	212,000	222,695	211,597	180,000	-32,000	-15.1%
Strategic petroleum account.....	---	---	---	8,400	+8,400	N/A
Northeast home heating oil reserve.....	7,600	6,500	7,586	6,500	-1,100	-14.5%
Total, Fossil energy programs.....	869,100	905,628	867,449	479,800	-389,300	-44.8%
Uranium enrichment D&D fund.....	673,749	767,929	767,014	752,749	+79,000	+11.7%
Energy information administration.....	122,000	122,000	121,768	118,000	-4,000	-3.3%
Non-Defense environmental cleanup.....	255,000	246,762	254,515	218,400	-36,600	-14.4%
Science.....	5,347,000	5,391,761	5,336,835	4,472,516	-874,484	-16.4%
Advanced research projects agency - Energy.....	291,000	305,245	290,446	20,000	-271,000	-93.1%
Nuclear waste disposal.....	---	---	---	90,000	+90,000	N/A
Departmental administration.....	130,971	139,864	130,722	145,652	+14,681	+11.2%
Inspector general.....	46,424	44,424	46,336	49,000	+2,576	+5.5%
Title 17 - Innovative technology						
loan guarantee program.....	17,000	-2,861	14,920	---	-17,000	-100.0%
Advanced technology vehicles manufacturing						
loan program.....	6,000	3,883	5,989	---	-6,000	-100.0%
Tribal Indian energy loan guarantee program.....	---	9,000	---	---	---	N/A
Total, Energy Programs.....	11,019,599	11,252,652	11,094,947	7,805,266	-3,214,333	-29.2%

Atomic Energy Defense Activities

National nuclear security administration:

Weapons activities.....	8,846,948	9,240,739	8,830,130	10,239,344	+1,392,396	+15.7%
Defense nuclear nonproliferation.....	1,940,302	1,880,038	1,936,614	1,793,310	-146,992	-7.6%
Naval reactors.....	1,375,496	1,419,792	1,372,881	1,479,751	+104,255	+7.6%
Federal Salaries and Expenses.....	363,766	387,066	363,937	418,595	+54,829	+15.1%
Total, National nuclear security administration.....	12,526,512	12,927,635	12,503,562	13,931,000	+1,404,488	+11.2%

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<b>Environmental and other defense activities:</b>						
Defense environmental cleanup.....	5,289,742	5,404,217	5,279,686	5,537,186	+247,444	+4.7%
Other defense activities.....	776,425	784,660	774,949	815,512	+39,087	+5.0%
Defense nuclear waste disposal.....	---	---	---	30,000	+30,000	N/A
Total, Environmental & other defense activities.....	6,066,167	6,188,877	6,054,635	6,382,698	+316,531	+5.2%
<b>Total, Atomic Energy Defense Activities.....</b>	<b>18,592,679</b>	<b>19,116,512</b>	<b>18,558,197</b>	<b>20,313,698</b>	<b>+1,721,019</b>	<b>+9.3%</b>
<b>Power marketing administrations:</b>						
Southeastern power administration.....	---	---	---	---	---	N/A
Southwestern power administration.....	11,400	11,057	11,378	11,400	---	N/A
Western area power administration (CROM).....	93,372	94,742	93,194	93,372	---	N/A
Falcon & Amistad operating & maintenance fund.....	228	232	228	228	---	N/A
Colorado River Basins.....	-23,000	-23,000	-23,000	-23,000	---	N/A
<b>Total, Power marketing administrations.....</b>	<b>82,000</b>	<b>83,031</b>	<b>81,800</b>	<b>82,000</b>	<b>---</b>	<b>N/A</b>
<b>Federal energy regulatory commission.....</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>N/A</b>
<b>Subtotal, Energy And Water Development and Related Agencies.....</b>						
Uranium enrichment D&D fund discretionary payments.....	---	-563,000	---	---	---	N/A
Defense EM funded						
Uranium enrichment D&D fund contribution.....	---	563,000	---	---	---	N/A
Excess fees and recoveries, FERC.....	-23,587	-9,426	-15,882	-9,000	+14,587	+61.8%
Title XVII Loan guar. prog section 1703						
negative credit subsidy receipt.....	-68,000	-37,000	-67,871	-35,000	+33,000	+48.5%
Sale of Northeast Gas Reserve.....	---	---	---	-69,000	-69,000	N/A
Use of Unobligated ARPA-E Balances.....	---	---	---	-46,367	-46,367	N/A
FE Rescission of prior year balances (Gen. Prov.).....	---	-240,000	---	---	---	N/A
Tribal Indian energy loan guarantee program rescission.....	---	-9,000	---	---	---	N/A
Energy programs rescission of balances (Undistributed).....	---	-43,186	---	---	---	N/A
<b>Total, Discretionary Funding.....</b>	<b>29,602,691</b>	<b>30,113,583</b>	<b>29,651,191</b>	<b>28,041,597</b>	<b>-1,561,094</b>	<b>-5.3%</b>

Memo: Total Discretionary by budget function

(Defense (050) function, non-add).....	( 18,718,840)	( 19,808,815)	( 18,684,118)	( 20,446,698)
(Non-Defense (250/270) function, non-add).....	( 10,883,851)	( 10,304,768)	( 10,967,073)	( 7,594,899)
(Science (250) function, non-add).....	( 5,347,000)	( 5,391,761)	( 5,336,835)	( 4,472,516)
(Energy (270) function, non-add).....	( 5,536,851)	( 4,913,007)	( 5,630,238)	( 3,122,383)

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<b>Energy Efficiency and Renewable Energy</b>						
Energy Efficiency and Renewable Energy RDD&D						
Sustainable transportation:						
Vehicle technologies.....	310,000	306,959	309,411	82,000	-228,000	-73.5%
Bioenergy technologies.....	225,000	205,000	224,571	56,600	-168,400	-74.8%
Hydrogen and fuel cell technologies.....	100,950	101,000	100,758	45,000	-55,950	-55.4%
Total, Sustainable transportation.....	635,950	612,959	634,740	183,600	-452,350	-71.1%
Renewable energy:						
Solar energy.....	241,600	207,600	241,141	69,700	-171,900	-71.2%
Wind energy.....	95,450	90,000	95,269	31,700	-63,750	-66.8%
Water power.....	70,000	84,000	69,867	20,400	-49,600	-70.9%
Geothermal technologies.....	71,000	69,500	70,865	12,500	-58,500	-82.4%
Total, Renewable energy.....	478,050	451,100	477,142	134,300	-343,750	-71.9%
Energy efficiency:						
Advanced Manufacturing.....	228,500	257,500	228,066	82,000	-146,500	-64.1%
Federal energy management program.....	27,000	27,000	26,949	10,000	-17,000	-63.0%
Building Technologies.....	200,500	199,141	200,119	67,500	-133,000	-66.3%
Weatherization and intergovernmental programs						
Weatherization assistance program						
Weatherization assistance program.....	211,600	225,000	211,198	---	-211,600	-100.0%
Training and technical assistance.....	3,000	3,000	2,994	---	-3,000	-100.0%
NREL Site-Wide Facility Support.....	400	---	399	---	-400	-100.0%
State energy program grants.....	50,000	50,000	49,905	---	-50,000	-100.0%
Total, Weatherization & intergovernmental Programs.....	265,000	278,000	264,496	---	-265,000	-100.0%
Corporate support:						
Program direction.....	155,000	153,500	154,705	125,849	-29,151	-18.8%
Strategic programs.....	21,000	19,000	20,960	---	-21,000	-100.0%
Facilities and infrastructure (NREL O&M)						
National renewable energy laboratory (NREL)						
Operation and maintenance.....	62,000	92,000	61,882	92,000	+30,000	+48.4%
Total, Corporate support.....	238,000	264,500	237,547	217,849	-20,151	-8.5%
Subtotal, Energy Efficiency and Renewable Energy.....	2,073,000	2,090,200	2,069,059	695,249	-1,377,751	-66.5%

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<b>Adjustments:</b>						
Use of prior year balances (EE).....	----	----	----	-59,100	-59,100	N/A
<b>Subtotal, Energy Efficiency and Renewable Energy</b> .....	<b>2,073,000</b>	<b>2,090,200</b>	<b>2,069,059</b>	<b>636,149</b>	<b>-1,436,851</b>	<b>-69.3%</b>
<b>Rescissions</b>						
Rescission of prior year balances (Gen. Prov. EERE).....	-3,806	-17,150	----	----	+3,806	+100.0%
<b>Total, Energy Efficiency and Renewable Energy</b> .....	<b>2,069,194</b>	<b>2,073,050</b>	<b>2,069,059</b>	<b>636,149</b>	<b>-1,433,045</b>	<b>-69.3%</b>
 <b>Electricity Delivery and Energy Reliability</b>						
Electricity Delivery & Energy Reliability						
Clean energy transmission and reliability.....	39,000	36,000	38,926	----	-39,000	-100.0%
Transmission reliability.....	----	----	----	13,000	+13,000	N/A
Smart grid research and development.....	35,000	50,000	34,933	----	-35,000	-100.0%
Resilient distribution systems.....	----	----	----	10,000	+10,000	N/A
Cybersecurity for energy delivery systems.....	62,000	62,000	61,882	42,000	-20,000	-32.3%
Energy storage.....	20,500	31,000	20,461	8,000	-12,500	-61.0%
Transformer resilience and advanced components.....	5,000	6,000	4,990	5,000	----	N/A
National electricity delivery.....	7,500	7,500	7,486	----	-7,500	-100.0%
Transmission permitting and technical assistance.....	----	----	----	6,000	+6,000	N/A
Infrastructure security & energy restoration.....	9,000	9,000	8,983	9,000	----	N/A
Program direction.....	28,000	28,500	27,947	27,000	-1,000	-3.6%
Rescission						
Rescission of prior year balances (Gen. Prov.).....	----	-349	----	----	----	N/A
<b>Total, Electricity Delivery &amp; Energy Reliability</b> .....	<b>206,000</b>	<b>229,651</b>	<b>205,608</b>	<b>120,000</b>	<b>-86,000</b>	<b>-41.7%</b>
 <b>Nuclear Energy</b>						
Research and Development						
Integrated University Program.....	5,000	5,000	4,990	----	-5,000	-100.0%
Step R&D.....	5,000	5,000	4,990	----	-5,000	-100.0%
SMR licensing technical support.....	62,500	95,000	62,381	----	-62,500	-100.0%
Nuclear Energy Enabling Technologies.....	111,600	115,100	111,388	105,360	-6,240	-5.6%
Reactor Concepts RD&D.....	141,718	132,000	141,449	94,000	-47,718	-33.7%
Fuel cycle research and development.....	203,800	207,500	203,413	88,500	-115,300	-56.6%
International nuclear energy cooperation.....	3,000	3,000	2,994	2,500	-500	-16.7%
<b>Total, Research and Development</b> .....	<b>532,618</b>	<b>562,600</b>	<b>531,605</b>	<b>290,360</b>	<b>-242,258</b>	<b>-45.5%</b>

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<b>Radiological facilities management</b>						
Space and defense infrastructure.....	18,000	10,000	17,966	---	-18,000	-100.0%
Research reactor infrastructure.....	6,800	7,000	6,787	9,000	+2,200	+32.4%
<b>Total, Radiological facilities management.....</b>	<b>24,800</b>	<b>17,000</b>	<b>24,753</b>	<b>9,000</b>	<b>-15,800</b>	<b>-63.7%</b>
<b>Idaho facilities management</b>						
Idaho operations and maintenance.....	220,582	231,713	220,163	198,140	-22,442	-10.2%
Construction:						
16-E-200 Sample preparation laboratory.....	2,000	6,000	1,996	6,000	+4,000	+200.0%
<b>Total, Idaho facilities management.....</b>	<b>222,582</b>	<b>237,713</b>	<b>222,159</b>	<b>204,140</b>	<b>-18,442</b>	<b>-8.3%</b>
<b>Idaho sitewide safeguards and security.....</b>						
Program Direction.....	126,161	129,303	125,921	133,000	+6,839	+5.4%
80,000	80,000	79,848	66,500	-13,500	-16.9%	
<b>Subtotal, Nuclear Energy.....</b>	<b>986,161</b>	<b>1,026,616</b>	<b>984,286</b>	<b>703,000</b>	<b>-283,161</b>	<b>-28.7%</b>
<b>Adjustments:</b>						
Use of prior year balances (NE).....	---	-10,000	---	---	---	N/A
<b>Subtotal, Nuclear Energy.....</b>	<b>986,161</b>	<b>1,016,616</b>	<b>984,286</b>	<b>703,000</b>	<b>-283,161</b>	<b>-28.7%</b>
Rescission of prior year balances.....	---	-300	---	---	---	N/A
<b>Total, Nuclear Energy.....</b>	<b>986,161</b>	<b>1,016,316</b>	<b>984,286</b>	<b>703,000</b>	<b>-283,161</b>	<b>-28.7%</b>
Defense (050) function.....(non-add).....	( 126,161)	( 129,303)	( 125,921)	( 133,000)		
Energy (270) function.....(non-add).....	( 860,000)	( 887,013)	( 858,365)	( 570,000)		
<b>Fossil Energy Research and Development</b>						
Fossil Energy Research and Development						
Coal						
CCS and power systems						
Carbon Capture.....	101,000	101,000	100,809	16,000	-85,000	-84.2%
Carbon Storage.....	106,000	95,300	105,800	15,000	-91,000	-85.8%
Advanced Energy Systems.....	105,000	105,000	104,800	46,000	-59,000	-56.2%
Cross-cutting research.....	50,000	45,500	49,905	37,800	-12,200	-24.4%
NETL coal research and development.....	53,000	53,000	52,899	---	-53,000	-100.0%
Supercritical Transformational Electric Power.....	15,000	24,000	14,971	---	-15,000	-100.0%
<b>Total, Coal.....</b>	<b>430,000</b>	<b>423,800</b>	<b>429,184</b>	<b>114,800</b>	<b>-315,200</b>	<b>-73.3%</b>

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Natural gas technologies.....	43,000	43,000	42,918	5,500	-37,500	-87.2%
Unconventional fossil energy technologies from Petroleum - Oil technologies.....	20,321	21,000	20,282	15,000	-5,321	-26.2%
Program direction.....	114,202	60,000	113,984	58,478	-55,724	-48.8%
Plant and capital equipment.....	15,782	---	15,752	---	-15,782	-100.0%
Fossil energy environmental restoration.....	7,995	---	7,980	---	-7,995	-100.0%
Special recruitment programs.....	700	700	699	200	-500	-71.4%
NETL Research and Operations.....	---	43,000	---	---	---	N/A
NETL Infrastructure.....	---	40,500	---	63,100	+63,100	N/A
NETL Research and Development.....	---	---	---	78,100	+78,100	N/A
<b>Subtotal, Fossil Energy Research and Development.....</b>	<b>632,000</b>	<b>632,000</b>	<b>630,799</b>	<b>335,178</b>	<b>-296,822</b>	<b>-47.0%</b>
Use of prior year balances.....	---	-14,000	---	-55,178	-55,178	N/A
Fossil Proviso.....	---	50,000	---	---	---	N/A
<b>Subtotal, Fossil Energy Research and Development.....</b>	<b>632,000</b>	<b>668,000</b>	<b>630,799</b>	<b>280,000</b>	<b>-352,000</b>	<b>-55.7%</b>
Rescission:						
Rescission of prior year balances.....	---	-6,515	---	---	---	N/A
<b>Total, Fossil Energy Research and Development.....</b>	<b>632,000</b>	<b>661,485</b>	<b>630,799</b>	<b>280,000</b>	<b>-352,000</b>	<b>-55.7%</b>
Petroleum Reserves:						
Naval Petroleum and Oil Shale Reserves						
Naval petroleum & oil shale reserves.....	17,500	14,950	17,467	20,200	+2,700	+15.4%
Use of prior year balances.....	---	---	---	-15,300	-15,300	N/A
Rescission of prior year balances.....	---	-2	---	---	---	N/A
Total, Naval Petroleum & Oil Shale Reserves.....	<b>17,500</b>	<b>14,948</b>	<b>17,467</b>	<b>4,900</b>	<b>-12,600</b>	<b>-72.0%</b>
Strategic Petroleum Reserve						
Strategic petroleum reserve.....	212,000	223,000	211,597	180,000	-32,000	-15.1%
Energy security and infrastructure modernization fund.....	---	340,000	---	---	---	N/A
Collections from the sale of crude oil from SPR.....	---	-340,000	---	---	---	N/A
Rescission						
Rescission of prior year balances.....	---	-305	---	---	---	N/A
<b>Total, Strategic Petroleum Reserve.....</b>	<b>212,000</b>	<b>222,695</b>	<b>211,597</b>	<b>180,000</b>	<b>-32,000</b>	<b>-15.1%</b>

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<b>Strategic Petroleum Reserve - Petroleum Account</b>						
SPR - Petroleum Account.....	---	---	---	11,400	+11,400	N/A
Use of prior year balances.....	---	---	---	-3,000	-3,000	N/A
Total, Strategic Petroleum Reserve - Petroleum Acct.....	---	---	---	<b>8,400</b>	<b>+8,400</b>	<b>N/A</b>
<b>Energy Security &amp; Infrastructure Modernization Fund</b>						
Oil sale revenue targets.....	---	---	375,400	350,000	+350,000	N/A
Crude oil sales revenue offsetting collections.....	---	---	-375,400	-350,000	-350,000	N/A
Total, Energy Security and Infrastructure Modernization Fund.....	---	---	---	---	---	<b>N/A</b>
<b>Northeast Home Heating Oil Reserve</b>						
Northeast home heating oil reserve.....	7,600	10,500	7,586	10,000	+2,400	+31.6%
Use of prior year balances.....	---	-4,000	---	-3,500	-3,500	N/A
Total, Northeast Home Heating Oil Reserve.....	<b>7,600</b>	<b>6,500</b>	<b>7,586</b>	<b>6,500</b>	<b>-1,100</b>	<b>-14.5%</b>
Total, Petroleum Reserves.....	237,100	244,143	236,650	199,800	-37,300	-15.7%
<b>Uranium Enrichment Decontamination and Decommissioning Fund</b>						
Oak Ridge						
Oak Ridge.....	194,673	194,673	194,673	145,726	-48,947	-25.1%
Paducah						
Paducah.....	198,729	205,530	198,729	202,958	+4,229	+2.1%
Construction						
16-U-401 Swmu 5&6, Paducah (PA-0040).....	1,196	---	1,196	---	-1,196	-100.0%
Total, Paducah.....	199,925	205,530	199,925	202,958	+3,033	+1.5%
Portsmouth						
Portsmouth.....	203,417	274,000	296,682	312,389	+108,972	+53.6%
Construction						
15-U-408 On-site waste disposal facility Portsmouth (PO-0040).....	21,749	41,168	21,749	38,882	+17,133	+78.8%
Total, Portsmouth.....	225,166	315,168	318,431	351,271	+126,105	+56.0%

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<b>Pension and community and regulatory support</b>						
Oak Ridge.....	16,856	18,772	16,856	19,274	+2,418	+14.3%
Paducah.....	2,375	2,386	2,375	1,725	-650	-27.4%
Portsmouth.....	1,795	1,795	1,795	1,795	---	N/A
Total, Pension and community& regulatory support.....	21,026	22,953	21,026	22,794	+1,768	+8.4%
Title X uranium/thorium reimbursement program.....	32,959	30,000	32,959	30,000	-2,959	-9.0%
Rescission of prior year balances.....	----	-71	----	----	----	N/A
Use of prior year balances.....	----	-324	----	----	----	N/A
<b>Total, Uranium Enrichment D&amp;D Fund.....</b>	<b>673,749</b>	<b>767,929</b>	<b>767,014</b>	<b>752,749</b>	<b>+79,000</b>	<b>+11.7%</b>
<b>Energy Information Administration</b>						
National energy information system.....	122,000	122,000	121,768	118,000	-4,000	-3.3%
<b>Total, Energy Information Administration.....</b>	<b>122,000</b>	<b>122,000</b>	<b>121,768</b>	<b>118,000</b>	<b>-4,000</b>	<b>-3.3%</b>
<b>Non-Defense Environmental Cleanup</b>						
Fast flux test reactor facility (WA).....	2,562	2,240	2,557	2,240	-322	-12.6%
Gaseous diffusion plants.....	104,403	101,304	104,204	100,575	-3,828	-3.7%
Small sites:						
Small sites.....	87,522	77,043	87,355	55,000	-32,522	-37.2%
Mercury storage facility.....	1,300	----	1,298	----	-1,300	-100.0%
West Valley demonstration project						
West Valley demonstration project.....	59,213	66,413	59,101	60,585	+1,372	+2.3%
Subtotal, Non-defense environmental cleanup.....	255,000	247,000	254,515	218,400	-36,600	-14.4%
Rescission of prior year balances.....	----	-238	----	----	----	N/A
<b>Total, Non-Defense Environmental Cleanup.....</b>	<b>255,000</b>	<b>246,762</b>	<b>254,515</b>	<b>218,400</b>	<b>-36,600</b>	<b>-14.4%</b>
<b>Science</b>						
Office of Science						
Advanced Scientific Computing Research						
Advanced Scientific Computing Research.....	621,000	483,000	619,819	525,430	-95,570	-15.4%
Construction:						
17-SC 20 SC Exascale Project.....	----	164,000	----	196,580	+196,580	N/A
Total, Advanced Scientific Computing Research.....	621,000	647,000	619,819	722,010	+101,010	+16.3%

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	FY 2016 Enacted Approp.	FY 2017 Enacted Approp.	FY 2017 Annualized CR	FY 2018 Congressional Request	FY 2018 vs. FY 2016	
					\$	%
<b>Basic Energy Sciences</b>						
Research.....	1,648,700	1,681,500	1,645,566	1,352,400	-296,300	-18.0%
Construction						
18-SC-10 APS Upgrade, ANL.....	---	---	---	20,000	+20,000	N/A
13-SC-10 Linac Coherent Light Source-II, SLAC.....	200,300	190,000	199,919	182,100	-18,200	-9.1%
Total, Construction.....	200,300	190,000	199,919	202,100	+1,800	+0.9%
Total, Basic Energy Sciences.....	1,849,000	1,871,500	1,845,485	1,554,500	-294,500	-15.9%
Biological and Environmental Research.....	609,000	612,000	607,842	348,950	-260,050	-42.7%
<b>Fusion Energy sciences</b>						
Research.....	323,000	330,000	322,386	246,940	-76,060	-23.5%
Construction:						
14-SC-60 ITER.....	115,000	50,000	114,781	63,000	-52,000	-45.2%
Total, Fusion Energy sciences.....	438,000	380,000	437,167	309,940	-128,060	-29.2%
<b>High Energy Physics</b>						
Research.....	728,900	731,500	727,514	573,400	-155,500	-21.3%
Construction:						
11-SC-40 Long Baseline Neutrino Facility/Deep Underground Neutrino Experiment, FNAL.....	26,000	50,000	25,951	54,900	+28,900	+111.2%
11-SC-41 Muon to Electron Conversion Experiment, FNAL.....	40,100	43,500	40,024	44,400	+4,300	+10.7%
Total, Construction.....	66,100	93,500	65,975	99,300	+33,200	+50.2%
Total, High Energy Physics.....	795,000	825,000	793,489	672,700	-122,300	-15.4%
<b>Nuclear Physics</b>						
Operation and Maintenance.....	509,600	522,000	508,631	422,700	-86,900	-17.1%
Construction:						
14-SC-50 Facility for Rare Isotope Beams Michigan State University.....	100,000	100,000	99,810	80,000	-20,000	-20.0%
06-SC-01 12 GeV Continuous Electron Beam Accelerator Facility Upgrade, Thomas Jefferson National Accelerator Facility Newport News, VA.....	7,500	---	7,486	---	-7,500	-100.0%
Total, Construction.....	107,500	100,000	107,296	80,000	-27,500	-25.6%
Total, Nuclear physics.....	617,100	622,000	615,927	502,700	-114,400	-18.5%

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					\$	%
Workforce Development for Teachers and Scientists.....	19,500	19,500	19,463	14,000	-5,500	-28.2%
<b>Science Laboratories Infrastructure</b>						
<b>Infrastructure Support</b>						
Payment in Lieu of Taxes.....	1,713	1,764	1,710	1,713	---	N/A
Oak Ridge Landlord.....	6,177	6,182	6,165	6,082	-95	-1.5%
Facilities and Infrastructure.....	24,800	32,603	24,753	5,105	-19,695	-79.4%
Oak Ridge Nuclear Operations.....	12,000	26,000	11,977	10,000	-2,000	-16.7%
Total, Infrastructure support.....	44,690	66,549	44,605	22,900	-21,790	-48.8%
<b>Construction</b>						
18-SC-71 Energy Science Capability at PNNL.....	---	---	---	1,000	+1,000	N/A
17-SC-71 Integrated Engineering Research Center, FNAL.....	---	2,500	---	1,500	+1,500	N/A
17 SC-73 Core Facility Revitalization (BNL).....	---	1,800	---	1,500	+1,500	N/A
15-SC-78 Integrative Genomics Building, LBNL.....	20,000	19,561	19,962	24,800	+4,800	+24.0%
15-SC-77 Photon Science Laboratory Building, SLAC.....	25,000	20,000	24,952	---	-25,000	-100.0%
15-SC-76 Materials Design Laboratory, ANL.....	23,910	19,590	23,865	24,500	+590	+2.5%
Total, Construction.....	68,910	63,451	68,779	53,300	-15,610	-22.7%
Total, Science Laboratories Infrastructure.....	113,600	130,000	113,384	76,200	-37,400	-32.9%
Safeguards and Security.....	103,000	103,000	102,805	103,000	---	N/A
Science Program Direction.....	185,000	182,000	184,648	168,516	-16,484	-8.9%
Subtotal, Science.....	5,350,200	5,392,000	5,340,029	4,472,516	-877,684	-16.4%
<b>Rescission</b>						
Rescission of prior year balances (Gen. Prov.).....	-3,200	-239	-3,194	---	+3,200	+100.0%
<b>Total, Science.....</b>	<b>5,347,000</b>	<b>5,391,761</b>	<b>5,336,835</b>	<b>4,472,516</b>	<b>-874,484</b>	<b>-16.4%</b>

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**Advanced Research Projects Agency - Energy**

Advanced research projects agency - Energy

ARPA-E projects.....	261,750	276,750	261,252	----	-261,750	-100.0%
Program direction.....	29,250	29,250	29,194	65,000	+35,750	+122.2%
Use of prior year balances.....	----	----	----	-45,000	-45,000	N/A
<b>Subtotal, ARPA - Energy.....</b>	<b>291,000</b>	<b>306,000</b>	<b>290,446</b>	<b>20,000</b>	<b>-271,000</b>	<b>-93.1%</b>

Rescissions:

Rescission of prior year balances.....	----	-755	----	----	----	N/A
<b>Total, Advanced Research Projects Agency - Energy.....</b>	<b>291,000</b>	<b>305,245</b>	<b>290,446</b>	<b>20,000</b>	<b>-271,000</b>	<b>-93.1%</b>

**Nuclear Waste Disposal**

Yucca mountain and interim storage.....	----	----	----	90,000	+90,000	N/A
<b>Total, Nuclear Waste Disposal.....</b>	<b>----</b>	<b>----</b>	<b>----</b>	<b>90,000</b>	<b>+90,000</b>	<b>N/A</b>

**Departmental Administration**

Office of the Secretary.....	5,008	5,089	4,998	5,300	+292	+5.8%
Chief financial officer.....	47,024	49,242	46,935	48,484	+1,460	+3.1%
Management.....	65,000	52,924	64,876	53,758	-11,242	-17.3%
Chief human capital officer.....	24,500	24,500	24,453	25,500	+1,000	+4.1%
Chief information officer.....	73,218	74,492	73,079	91,443	+18,225	+24.9%
Congressional & intergovernmental affairs.....	6,300	6,200	6,288	6,200	-100	-1.6%
Office of Indian energy policy and programs.....	16,000	16,000	15,970	10,000	-6,000	-37.5%
Office of Small and Disadvantaged Business Utilization.....	3,000	3,000	2,994	3,000	----	N/A
Economic impact and diversity.....	10,000	10,169	9,981	10,000	----	N/A
General counsel.....	33,000	33,000	32,937	33,000	----	N/A
Energy policy and systems analysis.....	31,297	31,000	31,238	10,432	-20,865	-66.7%
International affairs.....	18,000	18,000	17,966	18,878	+878	+4.9%
Public Affairs.....	3,431	3,431	3,424	6,589	+3,158	+92.0%
Project Management Oversight and Assessments						
PM Oversight and Assessments.....	----	12,373	----	15,192	+15,192	N/A
Strategic partnership projects (SPP).....	40,000	40,000	39,924	40,000	----	N/A
Office of Technology transitions.....	----	6,906	----	6,876	+6,876	N/A
<b>Subtotal, Departmental Administration (gross).....</b>	<b>375,778</b>	<b>386,326</b>	<b>375,063</b>	<b>384,652</b>	<b>+8,874</b>	<b>+2.4%</b>
Adjustments:						
Use of prior year balances (GC).....	-2,000	----	-1,996	----	+2,000	+100.0%
Use of prior year balances & other adj. (SPP).....	-6,800	-20,610	-6,787	----	+6,800	+100.0%

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Funding from other defense activities (CFO/CIO)						
Funding from other defense activities (CFO).....	-42,618	-45,224	-42,537	-48,484	-5,866	-13.8%
Funding from other defense activities (CIO).....	-73,218	-74,492	-73,079	-91,443	-18,225	-24.9%
Funding from other defense activities (MA).....	-3,000	---	-2,994	---	+3,000	+100.0%
Funding from other defense activities (PMOA).....	---	-3,000	---	-3,073	-3,073	N/A
Total, Funding from ODA (CFO/CIO).....	<b>-118,836</b>	<b>-122,716</b>	<b>-118,610</b>	<b>-143,000</b>	<b>-24,164</b>	<b>-20.3%</b>
Total, Adjustments.....	<b>-127,636</b>	<b>-143,326</b>	<b>-127,393</b>	<b>-143,000</b>	<b>-15,364</b>	<b>-12.0%</b>
Subtotal, Departmental Administration.....	<b>248,142</b>	<b>243,000</b>	<b>247,670</b>	<b>241,652</b>	<b>-6,490</b>	<b>-2.6%</b>
Rescission:						
Rescission of prior year balances (HC).....	---	-14	---	---	---	N/A
Rescission of prior year balances (IA).....	---	-93	---	---	---	N/A
Rescission of prior year balances (PA).....	---	-29	---	---	---	N/A
Subtotal, Rescission.....	---	<b>-136</b>	---	---	---	N/A
Total, Departmental Administration (gross).....	<b>248,142</b>	<b>242,864</b>	<b>247,670</b>	<b>241,652</b>	<b>-6,490</b>	<b>-2.6%</b>
Miscellaneous revenues.....	<b>-117,171</b>	<b>-103,000</b>	<b>-116,948</b>	<b>-96,000</b>	<b>+21,171</b>	<b>+18.1%</b>
<b>Total, Departmental Administration (Net).....</b>	<b>130,971</b>	<b>139,864</b>	<b>130,722</b>	<b>145,652</b>	<b>+14,681</b>	<b>+11.2%</b>
<b>Office of Inspector General</b>						
Office of inspector general.....	<b>46,424</b>	<b>44,424</b>	<b>46,336</b>	<b>49,000</b>	<b>+2,576</b>	<b>+5.5%</b>
<b>Total, Office of Inspector General.....</b>	<b>46,424</b>	<b>44,424</b>	<b>46,336</b>	<b>49,000</b>	<b>+2,576</b>	<b>+5.5%</b>
<b>Title 17 - Innovative Technology Loan</b>						
<b>Guarantee Program</b>						
Administrative expenses.....	42,000	37,000	41,920	2,000	-40,000	-95.2%
Offsetting collections.....	-25,000	-30,000	-27,000	-2,000	+23,000	+92.0%
Undistributed, LGPO.....	---	---	---	---	---	N/A
Subtotal, Title 17 - Innovative Technology						
Loan Guarantee Program.....	17,000	7,000	14,920	---	-17,000	-100.0%
Rescission of prior year balances.....	---	-9,861	---	---	---	N/A
<b>Total, Title 17 - Innovative Technology</b>						
<b>    Loan Guarantee Program.....</b>	<b>17,000</b>	<b>-2,861</b>	<b>14,920</b>	<b>---</b>	<b>-17,000</b>	<b>-100.0%</b>
<b>Tribal Indian Energy Loan Guarantee Program</b>						
Administrative operations.....	---	9,000	---	---	---	N/A
<b>Total, Tribal Indian Energy Loan Guarantee Program.....</b>	<b>---</b>	<b>9,000</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>N/A</b>

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### **Advanced Technology Vehicles Manufacturing**

#### **Loan Program**

Administrative expenses.....	6,000	5,000	5,989	---	-6,000	-100.0%
Rescission of prior year balances.....	----	-1,117	----	----	----	N/A
<b>Total, Advanced Technology Vehicles Manufacturing Loan Program.....</b>	<b>6,000</b>	<b>3,883</b>	<b>5,989</b>	<b>---</b>	<b>-6,000</b>	<b>-100.0%</b>

### **Weapons Activities**

#### Directed stockpile work

Life extension programs and major alterations						
B61 Life extension program.....	643,300	616,079	616,079	788,572	+145,272	+22.6%
W76 Life extension program.....	244,019	222,880	222,880	224,134	-19,885	-8.1%
W88 Alt 370.....	220,176	281,129	281,129	----	-220,176	-100.0%
W88 Alteration program.....	----	----	----	332,292	+332,292	N/A
W80-4 Life extension program.....	195,037	220,253	220,253	399,090	+204,053	+104.6%
<b>Total, Life extension programs and major alterations.....</b>	<b>1,302,532</b>	<b>1,340,341</b>	<b>1,340,341</b>	<b>1,744,088</b>	<b>+441,556</b>	<b>+33.9%</b>

#### Stockpile systems

B61 Stockpile systems.....	52,247	57,313	57,313	59,729	+7,482	+14.3%
W76 Stockpile systems.....	50,921	38,604	38,604	51,400	+479	+0.9%
W78 Stockpile systems.....	64,092	56,413	56,413	60,100	-3,992	-6.2%
W80 Stockpile systems.....	68,005	64,631	64,631	80,087	+12,082	+17.8%
B83 Stockpile systems.....	42,177	41,659	41,659	35,762	-6,415	-15.2%
W87 Stockpile systems.....	89,299	81,982	81,982	83,200	-6,099	-6.8%
W88 Stockpile systems.....	115,685	103,074	103,074	131,576	+15,891	+13.7%
<b>Total, Stockpile systems.....</b>	<b>482,426</b>	<b>443,676</b>	<b>443,676</b>	<b>501,854</b>	<b>+19,428</b>	<b>+4.0%</b>

#### Weapons dismantlement and disposition

Operations and maintenance.....	52,000	56,000	56,000	52,000	----	N/A
---------------------------------	--------	--------	--------	--------	------	-----

#### Stockpile services

Production support.....	447,527	447,527	457,043	470,400	+22,873	+5.1%
Research and development support.....	41,059	34,187	34,187	31,150	-9,909	-24.1%
R&D certification and safety.....	185,000	156,481	152,481	196,840	+11,840	+6.4%
Management, technology, and production.....	264,994	251,978	251,978	285,400	+20,406	+7.7%
<b>Total, Stockpile services.....</b>	<b>938,580</b>	<b>890,173</b>	<b>895,689</b>	<b>983,790</b>	<b>+45,210</b>	<b>+4.8%</b>

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<b>Strategic materials</b>						
Uranium sustainment.....	32,916	20,988	20,988	20,579	-12,337	-37.5%
Plutonium sustainment.....	174,698	184,970	184,970	210,367	+35,669	+20.4%
Tritium sustainment.....	104,600	109,787	109,787	198,152	+93,552	+89.4%
Domestic uranium enrichment.....	50,000	50,000	50,000	60,000	+10,000	+20.0%
Strategic materials sustainment.....	250,040	212,092	212,092	206,196	-43,844	-17.5%
Total, Strategic materials.....	612,254	577,837	577,837	695,294	+83,040	+13.6%
Total, Directed stockpile work.....	3,387,792	3,308,027	3,313,543	3,977,026	+589,234	+17.4%
<b>Research, development, test evaluation (RDT&amp;E)</b>						
Science						
Advanced certification.....	58,747	60,000	58,747	57,710	-1,037	-1.8%
Primary assessment technologies.....	95,512	99,000	95,512	89,313	-6,199	-6.5%
Dynamic materials properties.....	100,400	106,000	100,400	122,347	+21,947	+21.9%
Advanced radiography.....	45,700	45,700	50,500	37,600	-8,100	-17.7%
Secondary assessment technologies.....	72,900	76,000	72,900	76,833	+3,933	+5.4%
Academic alliances and partnerships.....	49,800	49,800	49,800	52,963	+3,163	+6.4%
Enhanced Capabilities for Subcritical Experiments.....	----	----	----	50,755	+50,755	N/A
Total, Science.....	423,059	436,500	427,859	487,521	+64,462	+15.2%
Engineering						
Enhanced surety.....	50,821	37,196	37,196	39,717	-11,104	-21.8%
Weapon systems engineering assessment technology.....	17,371	16,958	17,371	23,029	+5,658	+32.6%
Nuclear survivability.....	24,461	36,100	40,705	45,230	+20,769	+84.9%
Enhanced surveillance.....	38,724	42,228	38,724	45,147	+6,423	+16.6%
Stockpile Responsiveness.....	----	----	----	40,000	+40,000	N/A
Total, Engineering.....	131,377	132,482	133,996	193,123	+61,746	+47.0%
<b>Inertial confinement fusion ignition and high yield</b>						
Ignition.....	76,334	77,932	76,334	79,575	+3,241	+4.2%
Support of other stockpile programs.....	22,843	23,363	22,843	23,565	+722	+3.2%
Diagnostics, cryogenics and experimental support.....	58,587	64,196	63,722	77,915	+19,328	+33.0%
Pulsed power inertial confinement fusion.....	4,963	5,616	4,963	7,596	+2,633	+53.1%

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Joint program in high energy density laboratory plasmas.....	8,900	9,492	8,900	9,492	+592	+6.7%
Facility operations and target production.....	339,423	342,360	339,423	334,791	-4,632	-1.4%
Total, Inertial confinement fusion and high yield.....	511,050	522,959	516,185	532,934	+21,884	+4.3%
Advanced simulation and computing						
Advanced simulation and computing.....	623,006	663,184	648,095	709,244	+86,238	+13.8%
Construction:						
18-D-670, Exascale Class Computer Cooling Equipment, LNL.	---	---	---	22,000	+22,000	N/A
18-D-620, Exascale Computing Facility Modernization Project..	---	---	---	3,000	+3,000	N/A
Total, Construction.....	---	---	---	25,000	+25,000	N/A
Total, Advanced simulation and computing.....	623,006	663,184	648,095	734,244	+111,238	+17.9%
Advanced manufacturing development						
Additive manufacturing.....	12,600	12,000	12,600	12,000	-600	-4.8%
Component manufacturing development.....	99,656	46,583	46,583	38,644	-61,012	-61.2%
Process technology development.....	17,800	28,522	28,522	29,896	+12,096	+68.0%
Total, Advanced manufacturing development.....	130,056	87,105	87,705	80,540	-49,516	-38.1%
Total, RDT&E.....	1,818,548	1,842,230	1,813,840	2,028,362	+209,814	+11.5%
Infrastructure and operations						
Operating						
Operations of facilities						
Operations of facilities.....	---	824,000	---	868,000	+868,000	N/A
Kansas City National Security Campus.....	100,250	---	100,250	---	-100,250	-100.0%
Lawrence Livermore National Laboratory.....	70,671	---	70,671	---	-70,671	-100.0%
Los Alamos National Laboratory.....	196,460	---	196,460	---	-196,460	-100.0%
Nevada National Security Site.....	89,000	---	89,000	---	-89,000	-100.0%
Pantex.....	58,021	---	55,000	---	-58,021	-100.0%
Sandia National Laboratories.....	115,300	---	115,300	---	-115,300	-100.0%
Savannah River Site.....	80,463	---	80,463	---	-80,463	-100.0%
Y-12 National security complex.....	120,625	---	107,000	---	-120,625	-100.0%
Total, Operations of facilities.....	830,790	824,000	814,144	868,000	+37,210	+4.5%
Safety and environmental operations.....	107,701	110,000	110,000	116,000	+8,299	+7.7%
Maintenance and repair of facilities.....	277,000	324,000	294,000	360,000	+83,000	+30.0%
Recapitalization.....	352,524	743,148	388,288	427,342	+74,818	+21.2%

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<b>Construction:</b>						
18-D-660, Fire Station, Y-12.....	---	---	---	28,000	+28,000	N/A
18-D-650, Tritium Production Capability, SRS.....	---	---	---	6,800	+6,800	N/A
17-D-640, U1a Complex Enhancements Project, NNSS.....	---	11,500	11,500	22,100	+22,100	N/A
17-D-630, Expand Electrical Distribution System, LLNL.....	---	25,000	---	6,000	+6,000	N/A
17-D-126, PF-4 reconfiguration project, LANL.....	---	8,000	---	---	---	N/A
17-D-125, RLOUB reconfiguration project, LANL.....	---	1,000	---	---	---	N/A
16-D-621 TA-3 substation replacement, LANL.....	25,000	---	---	---	-25,000	-100.0%
16-D-515 Albuquerque complex project.....	8,000	15,047	15,047	98,000	+90,000	+1,125.0%
15-D-613 Emergency Operations Center, Y-12.....	17,919	2,000	2,000	7,000	-10,919	-60.9%
15-D-302, TA-55 Reinvestment project, Phase 3, LANL.....	18,195	2,000	21,455	---	-18,195	-100.0%
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	---	---	2,100	-9,433	-81.8%
07-D-220-04 Transuranic liquid waste facility, LANL.....	40,949	17,053	17,168	17,895	-23,054	-56.3%
06-D-141 Uranium processing facility Y-12, Oak Ridge, TN.....	430,000	575,000	575,000	663,000	+233,000	+54.2%

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Chemistry and metallurgy replacement (CMRR)						
04-D-125 Chemistry and metallurgy research facility replacement project, LANL.....	---	---	159,615	180,900	+180,900	N/A
04-D-125 - 04 RLUOB equipment installation.....	117,000	75,000	---	---	-117,000	-100.0%
04-D-125 - 05 PF -4 equipment installation.....	38,610	75,615	---	---	-38,610	-100.0%
Total, Chemistry and metallurgy replacement (CMRR).....	155,610	150,615	159,615	180,900	+25,290	+16.3%
Total, Construction.....	711,109	807,215	801,785	1,031,795	+320,686	+45.1%
Total, Infrastructure and operations.....	2,279,124	2,808,363	2,408,217	2,803,137	+524,013	+23.0%
Secure transportation asset						
Operations and equipment.....	140,000	151,771	157,820	219,464	+79,464	+56.8%
Program direction.....	97,118	97,118	98,618	105,600	+8,482	+8.7%
Total, Secure transportation asset.....	237,118	248,889	256,438	325,064	+87,946	+37.1%
Defense nuclear security						
Operations and maintenance.....	639,891	670,000	648,512	686,977	+47,086	+7.4%
Security improvements program.....	30,000	---	---	---	-30,000	-100.0%
Construction:						
17-D-710 West end protected area reduction project, Y-12.....	---	2,500	---	---	---	N/A
14-D-710 Device assembly facility argus installation project, NNSS, NV.....	13,000	13,000	13,000	---	-13,000	-100.0%
Total, Defense nuclear security.....	682,891	685,500	661,512	686,977	+4,086	+0.6%
Information technology and cybersecurity.....	157,588	176,592	170,088	186,728	+29,140	+18.5%
Legacy contractor pensions.....	283,887	248,492	248,492	232,050	-51,837	-18.3%
Subtotal, Weapons activities.....	8,846,948	9,318,093	8,872,130	10,239,344	+1,392,396	+15.7%
Adjustments						
Use of prior year balances.....	---	---	-42,000	---	---	N/A
Subtotal, Weapons activities.....	8,846,948	9,318,093	8,830,130	10,239,344	+1,392,396	+15.7%
Rescission						
Rescission of prior year balances.....	---	-77,354	---	---	---	N/A
<b>Total, Weapons Activities.....</b>	<b>8,846,948</b>	<b>9,240,739</b>	<b>8,830,130</b>	<b>10,239,344</b>	<b>+1,392,396</b>	<b>+15.7%</b>

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**Defense Nuclear Nonproliferation**

Defense Nuclear Nonproliferation Programs

Global material security

International nuclear security.....	130,527	66,027	128,846	46,339	-84,188	-64.5%
Radiological security.....	153,749	----	151,769	146,340	-7,409	-4.8%
Domestic radiologic security.....	----	87,199	----	----	----	N/A
International radiologic security.....	----	68,907	----	----	----	N/A
Nuclear smuggling detection.....	142,475	144,975	140,640	144,429	+1,954	+1.4%
Total, Global material security.....	426,751	367,108	421,255	337,108	-89,643	-21.0%

Material management and minimization

HEU reactor conversion.....	115,000	75,615	113,519	125,500	+10,500	+9.1%
Nuclear material removal.....	115,000	68,902	113,519	32,925	-82,075	-71.4%
Material disposition.....	86,584	143,833	85,469	173,669	+87,085	+100.6%
Total, Material management & minimization.....	316,584	288,350	312,507	332,094	+15,510	+4.9%

Nonproliferation and arms control.....	130,203	124,703	128,526	129,703	-500	-0.4%
Defense nuclear nonproliferation R&D.....	419,333	469,750	413,933	446,095	+26,762	+6.4%

Nonproliferation construction

U. S. Construction:

18-D-150 Surplus Plutonium Disposition

Project.....	----	----	----	9,000	+9,000	N/A
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99-D-143 Mixed Oxide (MOX) Fuel Fabrication

Facility, SRS.....	340,000	335,000	335,622	270,000	-70,000	-20.6%
Total, Nonproliferation construction.....	340,000	335,000	335,622	279,000	-61,000	-17.9%

Total, Defense Nuclear Nonproliferation Programs.....	1,632,871	1,584,911	1,611,843	1,524,000	-108,871	-6.7%
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Legacy contractor pensions.....	94,617	83,208	93,399	40,950	-53,667	-56.7%
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Nuclear counterterrorism and incident response program.....	234,390	271,881	231,372	277,360	+42,970	+18.3%
Subtotal, Defense Nuclear Nonproliferation.....	1,961,878	1,940,000	1,936,614	1,842,310	-119,568	-6.1%

Adjustments

Use of prior year balances.....	-21,576	-38,000	----	----	+21,576	+100.0%
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Subtotal, Defense Nuclear Nonproliferation.....	1,940,302	1,902,000	1,936,614	1,842,310	-97,992	-5.1%
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Rescission

Rescission of prior year balances.....	----	-21,962	----	-49,000	-49,000	N/A
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<b>Total, Defense Nuclear Nonproliferation.....</b>	<b>1,940,302</b>	<b>1,880,038</b>	<b>1,936,614</b>	<b>1,793,310</b>	<b>-146,992</b>	<b>-7.6%</b>
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**Naval Reactors**

Naval reactors development.....	446,896	440,338	446,046	473,267	+26,371	+5.9%
Ohio replacement reactor systems development.....	186,800	213,700	186,445	---	-186,800	-100.0%
Columbia-Class reactor systems development.....	---	---	---	156,700	+156,700	N/A
S8G Prototype refueling.....	133,000	124,000	132,747	190,000	+57,000	+42.9%
Naval reactors operations and infrastructure.....	445,196	449,682	444,350	466,884	+21,688	+4.9%
Construction:						
17-D-911, BL Fire System Upgrade.....	---	1,400	---	---	---	N/A
15-D-904 NRF Overpack Storage Expansion 3.....	900	700	898	13,700	+12,800	+1,422.2%
15-D-903 KL Fire System Upgrade.....	600	---	599	15,000	+14,400	+2,400.0%
15-D-902 KS Engineroom team trainer facility.....	3,100	33,300	3,094	---	-3,100	-100.0%
14-D-902 KL Materials characterization laboratory expansion, KAPL.....	30,000	---	29,943	---	-30,000	-100.0%
14-D-901 Spent fuel handling recapitalization project, NRF.....	86,000	100,000	85,837	116,000	+30,000	+34.9%
10-D-903, Security upgrades, KS.....	500	12,900	499	---	-500	-100.0%
Total, Construction.....	121,100	148,300	120,870	144,700	+23,600	+19.5%
Program direction.....	42,504	44,100	42,423	48,200	+5,696	+13.4%
Subtotal, Naval Reactors.....	1,375,496	1,420,120	1,372,881	1,479,751	+104,255	+7.6%
Rescission						
Rescission of prior year balances.....	---	-328	---	---	---	N/A
<b>Total, Naval Reactors.....</b>	<b>1,375,496</b>	<b>1,419,792</b>	<b>1,372,881</b>	<b>1,479,751</b>	<b>+104,255</b>	<b>+7.6%</b>

**Federal Salaries and Expenses**

Program direction.....	383,666	390,000	382,937	418,595	+34,929	+9.1%
Rescission.....	-19,900	-2,934	-19,000	---	+19,900	+100.0%
<b>Total, Federal Salaries and Expenses.....</b>	<b>363,766</b>	<b>387,066</b>	<b>363,937</b>	<b>418,595</b>	<b>+54,829</b>	<b>+15.1%</b>

**Defense Environmental Cleanup**

Closure sites:						
Closure sites administration.....	4,889	9,389	4,880	4,889	----	N/A

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**Hanford site:**

River corridor and other cleanup operations:

River corridor and other cleanup operations.....	270,710	143,755	270,195	58,692	-212,018	-78.3%
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Central plateau remediation:

Central plateau remediation.....	555,163	659,818	554,108	630,000	+74,837	+13.5%
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Richland community and regulatory support.....

Richland community and regulatory support.....	19,701	24,701	19,664	13,000	-6,701	-34.0%
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Construction

18-D-404 WESF Modifications and Capsule Storage.....	---	---	---	6,500	+6,500	N/A
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15-D-401 Containerized sludge removal annex, RL.....	77,016	11,486	76,869	8,000	-69,016	-89.6%
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Total, Construction.....	77,016	11,486	76,869	14,500	-62,516	-81.2%
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Total, Hanford site.....	922,590	839,760	920,836	716,192	-206,398	-22.4%
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**Idaho National Laboratory:**

SNF stabilization and disposition - 2012.....	15,250	18,000	15,221	19,975	+4,725	+31.0%
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Solid waste stabilization and disposition.....	202,348	205,502	201,963	170,972	-31,376	-15.5%
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Radioactive liquid tank waste stabilization and disposition.....	126,413	100,286	126,173	111,352	-15,061	-11.9%
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Soil and water remediation - 2035.....	48,989	55,300	48,896	44,727	-4,262	-8.7%
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Idaho community and regulatory support.....	3,000	3,000	2,994	3,200	+200	+6.7%
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Total, Idaho National Laboratory.....	396,000	382,088	395,247	350,226	-45,774	-11.6%
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**NNSA sites and Nevada off-sites**

Lawrence Livermore National Laboratory.....	1,366	1,396	1,363	1,175	-191	-14.0%
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Nuclear facility D & D Separations Process Research Unit.....	---	3,685	---	1,800	+1,800	N/A
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Nevada.....	62,385	62,176	62,267	60,136	-2,249	-3.6%
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Sandia National Laboratories.....	2,500	4,130	2,495	2,600	+100	+4.0%
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Los Alamos National Laboratory.....	185,000	194,000	184,648	191,629	+6,629	+3.6%
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Total, NNSA sites and Nevada off-sites.....	251,251	265,387	250,773	257,340	+6,089	+2.4%
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**Oak Ridge Reservation:**

OR Nuclear facility D & D OR-0041 - D&D - Y-12.....	66,058	61,851	65,932	29,369	-36,689	-55.5%
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OR-0042 - D&D -ORNL.....	45,900	70,000	45,813	48,110	+2,210	+4.8%
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Construction 17-D-401 On-site waste disposal facility.....	---	6,000	---	5,000	+5,000	N/A
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14-D-403 Outfall 200 Mercury Treatment Facility.....	9,400	5,100	9,382	17,100	+7,700	+81.9%
Total, OR Nuclear facility D & D.....	121,358	142,951	121,127	99,579	-21,779	-17.9%
U233 Disposition Program.....	35,895	43,311	35,827	33,784	-2,111	-5.9%
OR cleanup and disposition						
OR cleanup and disposition.....	74,597	68,457	74,455	66,632	-7,965	-10.7%
OR community & regulatory support.....	4,400	5,500	4,392	4,605	+205	+4.7%
Solid waste stabilization and disposition						
Oak Ridge technology development.....	2,800	3,000	2,795	3,000	+200	+7.1%
Total, Oak Ridge Reservation.....	239,050	263,219	238,596	207,600	-31,450	-13.2%
Office of River Protection:						
Waste treatment and immobilization plant						
01-D-416/ORP-0060 / Major construction.....	690,000	690,000	688,688	690,000	---	N/A
WTP Commissioning.....	---	3,000	---	8,000	+8,000	N/A
Total, Waste treatment & immobilization plant.....	690,000	693,000	688,688	698,000	+8,000	+1.2%
Tank farm activities						
Rad liquid tank waste stabilization and disposition.....	649,000	733,965	647,766	713,311	+64,311	+9.9%
Construction:						
15-D-409 Low activity waste pretreatment system, ORP.....	75,000	73,000	74,857	93,000	+18,000	+24.0%
Total, Tank farm activities.....	724,000	806,965	722,623	806,311	+82,311	+11.4%
Total, Office of River protection.....	1,414,000	1,499,965	1,411,311	1,504,311	+90,311	+6.4%
Savannah River Sites:						
Savannah River risk management operations:						
Nuclear material stabilization and disposition.....	254,655	278,444	267,710	---	-254,655	-100.0%
SNF stabilization and disposition.....	41,407	41,407	41,328	---	-41,407	-100.0%
Soil and water remediation-2035.....	66,044	70,044	65,918	---	-66,044	-100.0%
Solid waste stabilization and disposition.....	51,546	59,085	51,448	---	-51,546	-100.0%
Total, Savannah River risk management operations.....	413,652	448,980	426,404	---	-413,652	-100.0%
Nuclear Material Management						
Nuclear Material Management.....	---	---	---	323,482	+323,482	N/A

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<b>Environmental Cleanup</b>						
Environmental Cleanup.....	---	---	---	159,478	+159,478	N/A
Construction:						
08-D-402, Emergency Operations Center.....	---	---	---	500	+500	N/A
Total, Environmental Cleanup.....	---	---	---	159,978	+159,978	N/A
SR community and regulatory support.....	11,249	11,249	11,228	11,249	---	N/A
<b>Radioactive liquid tank waste:</b>						
Radioactive liquid tank waste stabilization and disposition.....	554,878	600,123	578,867	597,258	+42,380	+7.6%
Construction:						
18-D-401, SDU #8/9.....	---	---	---	500	+500	N/A
17-D-402 - Saltstone Disposal Unit #7.....	---	5,500	---	40,000	+40,000	N/A
15-D-402 - Saltstone Disposal Unit #6, SRS.....	34,642	7,577	21,313	---	-34,642	-100.0%
05-D-405 Salt waste processing facility, Savannah River Site.....	194,000	160,000	168,312	150,000	-44,000	-22.7%
Total, Savannah River Site.....	1,208,421	1,233,429	1,206,124	1,282,467	+74,046	+6.1%
<b>Waste Isolation Pilot Plant</b>						
Operations and maintenance.....	148,368	220,786	148,087	206,617	+58,249	+39.3%
Recovery activities.....	82,000	----	81,844	----	-82,000	-100.0%
Central characterization project.....	22,553	19,534	22,510	22,500	-53	-0.2%
Transportation.....	16,339	19,868	16,308	21,854	+5,515	+33.8%
Construction:						
15-D-411 Safety significant confinement ventilation system, WIPP.....	23,218	2,532	23,173	46,000	+22,782	+98.1%
15-D-412 Exhaust shaft, WIPP.....	7,500	30,000	7,486	19,600	+12,100	+161.3%
Total, Construction.....	30,718	32,532	30,659	65,600	+34,882	+113.6%
Total, Waste Isolation Pilot Plant.....	299,978	292,720	299,408	316,571	+16,593	+5.5%
Program direction.....	281,951	290,050	281,415	300,000	+18,049	+6.4%
Program support.....	6,979	6,979	6,966	6,979	----	N/A
WCF Mission Related Activities.....	----	----	----	22,109	+22,109	N/A
Minority Serving Institution Partnership.....	8,000	8,000	7,985	6,000	-2,000	-25.0%

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<b>Safeguards and Security:</b>						
Oak Ridge Reservation.....	11,828	15,500	11,556	16,500	+4,672	+39.5%
Paducah.....	13,216	14,049	13,164	14,049	+833	+6.3%
Portsmouth.....	10,492	14,049	10,200	12,713	+2,221	+21.2%
Richland/Hanford Site.....	65,501	74,176	65,355	75,600	+10,099	+15.4%
Savannah River Site.....	128,145	136,000	128,534	142,314	+14,169	+11.1%
Waste Isolation Pilot Project.....	4,860	5,200	4,788	5,200	+340	+7.0%
West Valley.....	2,591	3,215	2,586	2,784	+193	+7.4%
<b>Total, Safeguards and Security.....</b>	<b>236,633</b>	<b>262,189</b>	<b>236,183</b>	<b>269,160</b>	<b>+32,527</b>	<b>+13.7%</b>
Cyber Security.....	---	---	---	43,342	+43,342	N/A
Technology development.....	20,000	25,025	19,962	25,000	+5,000	+25.0%
HQEFS-0040 - Excess Facilities.....	---	---	---	225,000	+225,000	N/A
CB-0101 Economic assistance to the state of NM.....	---	26,800	---	---	---	N/A
<b>Subtotal, Defense environmental cleanup.....</b>	<b>5,289,742</b>	<b>5,405,000</b>	<b>5,279,686</b>	<b>5,537,186</b>	<b>+247,444</b>	<b>+4.7%</b>
<b>Rescission:</b>						
Rescission of prior year balances.....	---	-783	---	---	---	N/A
<b>Total, Defense Environmental Cleanup.....</b>	<b>5,289,742</b>	<b>5,404,217</b>	<b>5,279,686</b>	<b>5,537,186</b>	<b>+247,444</b>	<b>+4.7%</b>
<b>Other Defense Activities</b>						
Environment, health, safety and security						
Environment, health, safety and security.....	118,763	126,972	118,537	130,693	+11,930	+10.0%
Program direction.....	62,235	64,000	62,117	68,765	+6,530	+10.5%
<b>Total, Environment, Health, safety and security.....</b>	<b>180,998</b>	<b>190,972</b>	<b>180,654</b>	<b>199,458</b>	<b>+18,460</b>	<b>+10.2%</b>
Independent enterprise assessments						
Independent enterprise assessments.....	24,068	24,580	24,022	24,068	----	N/A
Program direction.....	49,466	51,000	49,372	50,863	+1,397	+2.8%
<b>Total, Independent enterprise assessments.....</b>	<b>73,534</b>	<b>75,580</b>	<b>73,394</b>	<b>74,931</b>	<b>+1,397</b>	<b>+1.9%</b>
Specialized security activities.....	230,377	237,912	229,939	237,912	+7,535	+3.3%
Office of Legacy Management						
Legacy management.....	154,080	140,306	153,787	137,674	-16,406	-10.6%
Program direction.....	13,100	14,014	13,075	16,932	+3,832	+29.3%
<b>Total, Office of Legacy Management.....</b>	<b>167,180</b>	<b>154,320</b>	<b>166,862</b>	<b>154,606</b>	<b>-12,574</b>	<b>-7.5%</b>

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<b>Defense related administrative support</b>						
Chief financial officer.....	42,618	45,224	42,537	48,484	+5,866	+13.8%
Chief information officer.....	73,218	74,492	73,079	91,443	+18,225	+24.9%
Management.....	3,000	---	2,994	---	-3,000	-100.0%
Project management oversight and Assessments.....	---	3,000	---	3,073	+3,073	N/A
<b>Total, Defense related administrative support.....</b>	<b>118,836</b>	<b>122,716</b>	<b>118,610</b>	<b>143,000</b>	<b>+24,164</b>	<b>+20.3%</b>
Office of hearings and appeals.....	5,500	5,500	5,490	5,605	+105	+1.9%
<b>Subtotal, Other defense activities.....</b>	<b>776,425</b>	<b>787,000</b>	<b>774,949</b>	<b>815,512</b>	<b>+39,087</b>	<b>+5.0%</b>
Rescission:						
Rescission of prior year balances (LM).....	---	-1,066	---	---	---	N/A
Rescission of prior year balances (EHS&S).....	---	-1,146	---	---	---	N/A
Rescission of prior year balances (OHA).....	---	-80	---	---	---	N/A
Rescission of prior year balances (SSA).....	---	-4	---	---	---	N/A
Rescission of prior year balances (EA).....	---	-1	---	---	---	N/A
Rescission of prior year balances (ESA).....	---	-43	---	---	---	N/A
<b>Total, Rescission.....</b>	<b>---</b>	<b>-2,340</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>N/A</b>
<b>Total, Other Defense Activities.....</b>	<b>776,425</b>	<b>784,660</b>	<b>774,949</b>	<b>815,512</b>	<b>+39,087</b>	<b>+5.0%</b>
<b>Defense Nuclear Waste Disposal</b>						
Yucca mountain and interim storage.....	---	---	---	30,000	+30,000	N/A
<b>Power Marketing Administrations</b>						
Southeastern Power Administration						
Purchase power and wheeling.....	83,600	78,929	83,441	75,055	-8,545	-10.2%
Program direction.....	6,900	6,000	6,887	6,379	-521	-7.6%
<b>Subtotal, Southeastern Power Administration.....</b>	<b>90,500</b>	<b>84,929</b>	<b>90,328</b>	<b>81,434</b>	<b>-9,066</b>	<b>-10.0%</b>
Less alternative financing (for PPW).....	-17,100	-18,169	-17,067	-15,070	+2,030	+11.9%
Offsetting collections (for PPW).....	-66,500	-60,760	-66,374	-59,985	+6,515	+9.8%
Offsetting collections (PD).....	-6,900	-1,000	-6,887	-6,379	+521	+7.6%
Use of Prior Year Balances.....	---	-5,000	---	---	---	N/A
<b>Total, Southeastern Power Administration.....</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>N/A</b>
Southwestern Power Administration						
Operations and maintenance.....	19,279	13,896	19,258	16,680	-2,599	-13.5%
Purchase power and wheeling.....	73,000	83,000	72,880	93,000	+20,000	+27.4%
Program direction.....	31,932	31,516	31,871	31,335	-597	-1.9%
Construction.....	12,012	12,486	12,004	14,932	+2,920	+24.3%
<b>Subtotal, Southwestern Power Administration.....</b>	<b>136,223</b>	<b>140,898</b>	<b>136,013</b>	<b>155,947</b>	<b>+19,724</b>	<b>+14.5%</b>

**U.S. DEPARTMENT OF ENERGY**  
**FY 2018 Statistical Table by Appropriation**  
(dollars in thousands - OMB Scoring)

	FY 2016 Enacted Approp.	FY 2017 Enacted Approp.	FY 2017 Annualized CR	FY 2018 Congressional Request	FY 2018 vs. FY 2016	
					\$	%
Less alternative financing (for O&M).....	-8,288	-6,269	-8,288	-9,042	-754	-9.1%
Less alternative financing (for PPW).....	-10,000	-10,000	-10,000	-10,000	----	N/A
Less alternative financing (Const).....	-7,574	-5,986	-7,574	-9,417	-1,843	-24.3%
Offsetting collections (for program direction).....	-29,938	-29,271	-29,881	-16,035	+13,903	+46.4%
Offsetting collections (for O&M).....	-6,023	-5,315	-6,012	-2,853	+3,170	+52.6%
Offsetting collections (for PPW).....	-63,000	-73,000	-62,880	-83,000	-20,000	-31.7%
Use of Prior Year Balances.....	----	----	----	-14,200	-14,200	N/A
<b>Total, Southwestern Power Administration.....</b>	<b>11,400</b>	<b>11,057</b>	<b>11,378</b>	<b>11,400</b>	<b>----</b>	<b>N/A</b>
<b>Western Area Power Administration</b>						
<b>Western Area Power Administration (CROM)</b>						
Construction and rehabilitation.....	58,374	62,442	62,442	52,272	-6,102	-10.5%
Operation and maintenance.....	80,901	76,697	80,150	72,407	-8,494	-10.5%
Purchase power and wheeling.....	565,927	581,634	581,634	597,997	+32,070	+5.7%
Program Direction.....	236,398	226,497	226,497	235,722	-676	-0.3%
<b>Subtotal, Western Area Power Administration (CROM).....</b>	<b>941,600</b>	<b>947,270</b>	<b>950,723</b>	<b>958,398</b>	<b>+16,798</b>	<b>+1.8%</b>
<b>Adjustments:</b>						
Less alternative financing (for O & M).....	-1,757	----	----	----	+1,757	+100.0%
Less alternative financing (for Construction).....	-53,585	-43,884	-46,271	-40,500	+13,085	+24.4%
Less alternative financing (for Program Dir.).....	-5,273	-6,343	-7,425	-8,056	-2,783	-52.8%
Less alternative financing (for PPW).....	-213,114	-214,625	-229,492	-289,072	-75,958	-35.6%
Offsetting collections (for program direction).....	-177,697	-150,441	-177,359	-150,392	+27,305	+15.4%
Offsetting collections (for O&M).....	-36,645	-27,122	-36,575	-23,922	+12,723	+34.7%
Offsetting collections (P.L. 108-447/109-103).....	-352,813	-367,009	-352,142	-308,925	+43,888	+12.4%
Offsetting collections (P.L. 98-381).....	-7,344	-8,265	-8,265	-9,306	-1,962	-26.7%
Offsetting Use of Prior Year Balances.....	----	-34,000	----	-34,853	-34,853	N/A
<b>Subtotal, Adjustments.....</b>	<b>-848,228</b>	<b>-851,689</b>	<b>-857,529</b>	<b>-865,026</b>	<b>-16,798</b>	<b>-2.0%</b>
<b>Subtotal, Western Area Power Administration (CROM).....</b>	<b>93,372</b>	<b>95,581</b>	<b>93,194</b>	<b>93,372</b>	<b>----</b>	<b>N/A</b>
<b>Rescission:</b>						
Rescission of prior year balances.....	----	-839	----	----	----	N/A
<b>Total, Western Area Power Administration (CROM).....</b>	<b>93,372</b>	<b>94,742</b>	<b>93,194</b>	<b>93,372</b>	<b>----</b>	<b>N/A</b>
<b>Falcon and Amistad Operating and Maintenance Fund</b>						
Operation and maintenance.....	4,950	4,393	4,809	5,048	+98	+2.0%
Offsetting collections.....	-4,262	-3,838	-4,254	-3,948	+314	+7.4%
Less alternative financing.....	-460	-323	-327	-872	-412	-89.6%
<b>Total, Falcon and Amistad Fund.....</b>	<b>228</b>	<b>232</b>	<b>228</b>	<b>228</b>	<b>----</b>	<b>N/A</b>

**U.S. DEPARTMENT OF ENERGY**  
**FY 2018 Statistical Table by Appropriation**  
(dollars in thousands - OMB Scoring)

	FY 2016 Enacted Approp.	FY 2017 Enacted Approp.	FY 2017 Annualized CR	FY 2018 Congressional Request	FY 2018 vs. FY 2016	
					\$	%
<b>Colorado River Basins Power Marketing Fund</b>						
Spending authority from offsetting collections						
Equipment, contracts and other related expense.....	153,840	151,324	151,324	127,055	-26,785	-17.4%
Program direction.....	61,807	62,206	62,206	58,341	-3,466	-5.6%
Total, Spending authority from offsetting collections.....	215,647	213,530	213,530	185,396	-30,251	-14.0%
Offsetting collections.....	-238,647	-236,530	-236,530	-208,396	+30,251	+12.7%
Total, Colorado River Basins.....	<b>-23,000</b>	<b>-23,000</b>	<b>-23,000</b>	<b>-23,000</b>	---	N/A
Total, Western Area Power Administration.....	70,600	71,974	70,422	70,600	---	N/A
<b>Total, Power Marketing Administrations.....</b>	<b>82,000</b>	<b>83,031</b>	<b>81,800</b>	<b>82,000</b>	---	N/A
<b>Federal Energy Regulatory Commission</b>						
Just and Reasonable Rates, Terms, and Conditions.....	148,921	159,650	148,638	168,111	+19,190	+12.9%
Safe, Reliable, Secure, & Efficient Infrastructure.....	112,507	123,576	112,293	131,836	+19,329	+17.2%
Mission Support through Organizational Excellence.....	58,372	63,574	58,261	67,653	+9,281	+15.9%
FERC revenues.....	-319,800	-346,800	-319,192	-367,600	-47,800	-14.9%
<b>Total, Federal Energy Regulatory Commission.....</b>	---	---	---	---	---	N/A
<b>Uranium Enrichment D&amp;D Fund Discretionary Payments</b>						
Transfer payment from Defense ER&WM.....	---	-563,000	---	---	---	N/A
<b>Total, Uranium Enrichment D&amp;D Fund.....</b>	---	<b>-563,000</b>	---	---	---	N/A
<b>Defense EM Funded</b>						
<b>Uranium Enrichment D&amp;D Fund</b>						
Uranium Enrichment D&D Fund Contribution.....	---	563,000	---	---	---	N/A
<b>Fees and Recoveries, Federal Energy Regulatory Commission</b>						
<b>Fees &amp; Recoveries In Excess of Annual Appropriations.....</b>	-23,587	-9,426	-15,882	-9,000	+14,587	+61.8%
<b>Title XVII Loan Guar. Prog Section 1703</b>						
Negative Credit Subsidy Receipt.....	-68,000	-37,000	-67,871	-35,000	+33,000	+48.5%
<b>Sale of Northeast Gas Reserve.....</b>	---	---	---	-69,000	-69,000	N/A
<b>Use of Unobligated ARPA-E Balances.....</b>	---	---	---	-46,367	-46,367	N/A
<b>Energy Programs Rescission of Balances (Undistributed).....</b>	---	-43,186	---	---	---	N/A
<b>Title 17 Loan Guarantee Program Rescission.....</b>	---	-9,000	---	---	---	N/A
<b>FE Rescission of prior year balances (Gen. Prov.).....</b>	---	-240,000	---	---	---	N/A