Γ	FY 2006	FY 2007	FY 2008	EV 2222	ve EV 2007	
	Current	Congressional	Congressional	FY 2008 vs	5. FY 2007	
	Approp.	Request	Request	\$	%	
scretionary Summary By Appropriation						
Energy And Water Development, And Related Agencies						
Appropriation Summary:						
Energy Programs						
Energy supply and conservation						
Operation and maintenance	1,781,242	1,917,331	2,187,943	+270,612	+14.1%	
Construction	31,155	6,030		-6,030	-100.0%	
Total, Energy supply and conservation	1,812,397	1,923,361	2,187,943	+264,582	+13.8%	
Fossil energy programs						
Clean coal technology	-20,000		-58,000	-58,000	N/A	
Fossil energy research and development	580,669	469,686	566,801	+97,115	+20.7%	
Naval petroleum and oil shale reserves	21,285	18,810	17,301	-1,509	-8.0%	
Elk Hills school lands fund	83,520					
Strategic petroleum reserve	207,340	155,430	331,609	+176,179	+113.3%	
Northeast home heating oil reserve		4,950	5,325	+375	+7.6%	
Strategic petroleum account	-43,000	<u> </u>	<u> </u>			
Total, Fossil energy programs	829,814	648,876	863,036	+214,160	+33.0%	
Uranium enrichment D&D fund	556,606	579,368	573,509	-5,859	-1.0%	
Energy information administration	85,314	89,769	105,095	+15,326	+17.1%	
	00,0	33,. 33	.00,000	0,020	, .	
Non-Defense environmental cleanup	004.740	077 000	400.007	00.005	04.00/	
Operation and maintenance	264,742	277,802	180,937	-96,865	-34.9%	
Construction	84,945	32,556	400.007	-32,556	-100.0% -41.7%	
Total, Non-Defense environmental cleanup	349,687	310,358	180,937	-129,421	-41.7%	
Uranium Sales and Remediation						
Science						
Operation and maintenance	3,435,582	3,900,680	4,195,325	+294,645	+7.6%	
Construction	196,462	201,030	202,551	+1,521	+0.8%	
Total, Science	3,632,044	4,101,710	4,397,876	+296,166	+7.2%	
Nuclear waste disposal	148,500	156,420	202,454	+46,034	+29.4%	
Departmental administration	120,595	128,825	148,548	+19,723	+15.3%	
Inspector general	41,580	45,507	47,732	+2,225	+4.9%	
Innovative Technology Loan Guarantee Program			8,390	+8,390	N/A	
Total, Energy Programs	7,576,537	7,984,194	8,715,520	+731,326	+9.2%	
Atomic Energy Defense Activities						
National nuclear security administration:						
Weapons activities						
Operation and maintenance	5,769,352	5,962,193	6,062,665	+100,472	+1.7%	
Construction		445,696	448,647	+2,951	+0.7%	
Total, Weapons activities	6,355,297	6,407,889	6,511,312	+103,423	+1.6%	
Defense						
Defense nuclear nonproliferation	4 004 740	4 050 000	4 070 707	74 000	F 00/	
Operation and maintenance	1,364,749	1,350,083	1,278,797	-71,286	-5.3%	
Construction Total, Defense nuclear nonproliferation	254,430 1,619,179	376,130 1,726,213	393,849 1,672,646	+17,719	+4.7%	
· ·	,,	, -,	,,	,	21.70	
Naval reactors	764 074	700 064	700 240	LE 0E0	.0.70/	
Operation and maintenance	764,874	792,361	798,219	+5,858	+0.7%	
Construction		2,772	10,000	+7,228	+260.8%	
Total, Naval reactors	781,605	795,133	808,219	+13,086	+1.6%	
Office of the administrator	354,223	386,576	394,656	+8,080	+2.1%	
Total, National nuclear security administration	9,110,304	9,315,811	9,386,833	+71,022	+0.8%	

	FY 2006	FY 2006 FY 2007 FY 2	FY 2008	FY 2008 vs	FY 2007
	Current	Congressional	Congressional		
l	Approp.	Request	Request	\$	%
Environmental and other defense activities:					
Defense environmental cleanup					
Operation and maintenance	5,501,328	4,581,877	4,374,104	-207.773	-4.5%
Construction		808,435	989,801	+181,366	+22.4%
Total, Defense environmental cleanup	6,129,729	5,390,312	5,363,905	-26,407	-0.5%
Other defense activities	635,578	717,788	763,974	+46,186	+6.4%
Defense nuclear waste disposal	346,500	388,080	292,046	-96,034	-24.7%
Total, Environmental & other defense activities	7,111,807	6,496,180	6,419,925	-76,255	-1.2%
Cerro grande fire activities	742				
Total, Atomic Energy Defense Activities	16,222,853	15,811,991	15,806,758	-5,233	-0.0%
Power marketing administrations:					
Southeastern power administration	5,544	5,723	6,463	+740	+12.9%
Southwestern power administration	29,864	31,539	30,442	-1,097	-3.5%
Western area power administration	231,652	212,213	201,030	-11,183	-5.3%
Falcon & Amistad operating & maintenance fund	2,665	2,500	2,500		
Colorado River Basins		-23,000	-23,000		
Total, Power marketing administrations	269,725	228,975	217,435	-11,540	-5.0%
Federal energy regulatory commission					
Subtotal, Energy And Water Development and Related					
Agencies	24,069,115	24,025,160	24,739,713	+714,553	+3.0%
Uranium enrichment D&D fund discretionary payments	-446,490	-452,000	-463,000	-11,000	-2.4%
Excess fees and recoveries, FERC	-50,015	-19,221	-17,462	+1,759	+9.2%
Total, Discretionary Funding	23,572,610	23,553,939	24,259,251	+705,312	+3.0%

Γ	FY 2006	. FY 2008 vs. FY 200			
	Current	FY 2007 Congressional	FY 2008 Congressional	FY 2008 vs	s. FY 2007
	Approp.	Request	Request	\$	%
Mandatory Funding	11-1		1	,	-
Bonneville power administration					
New borrowing authority	113,000	305,000	601,000	+296,000	+97.0%
Contract authority	•				
Spending authority from offsetting collections	1,832,000	3,075,000	2,642,000	-433,000	-14.1%
Offsetting collections	-3,327,000	-3,389,000	-3,344,000	+45,000	+1.3%
Total, Bonneville power administration	-511,000	-9,000	-101,000	-92,000	-1,022.2%
WAPA emergency fund	500	500	500		
Payments to states	3,024	3,000	3,000		
Spectrum relocation activities					
Power marketing adminstrations					
Western power administration		108,200		-108,200	-100.0%
Southwestern power adminitration		8,091		-8,091	-100.0%
Bonneville power administration		48,677		-48,677	-100.0%
Total, Power marketing administrations		164,968		-164,968	-100.0%
National Nuclear Security Administration					
Office of the administrator		10,900		-10,900	-100.0%
Departmental Administration		. 5,550		. 5,555	. 55.576
Chief information officer		1,000		-1,000	-100.0%
Total, Spectrum relocation activities		176,868		-176,868	-100.0%
Ultra-deepwater unconv. natural gas & other petro.					
Ultra-deepwater unconv.natural gas & other petro		50,000	50,000		
Receipts Ultra-deepwater unconv. natural gas		-50,000	-50,000		
Repeal Ultra-deepwater unconv. nat. gas & other		-50,000	-50,000		
Repeal Receipts Ultra-deepwater unconv.natural gas		50,000	50,000		
Total, Ultra-deepwater unconv. natural gas & other					
Deductions for offsetting receipts					
Intrafund transaction - earnings on investments					
Nuclear waste disposal fund	-542,000	-892,000	-954,000	-62,000	-7.0%
Decontamination and decommissioning fund	•	-212,000	-222,000	-10,000	-4.7%
Total, Intrafund transactions	-736,100	-1,104,000	-1,176,000	-72,000	-6.5%
Proprietary receipts from the public					
Sale of Strategic Petroleum Reserve Oil	-615,298				
Oil and gas sale proceeds at the NPRs	-8,636	-6,621	-9,469	-2,848	-43.0%
Nuclear waste fund	-752,000	-760,000	-770,000	-10,000	-1.3%
Power marketing administrations					
Bonneville power administration					
Repayments on misc. recoverable costs	-25,000	-21,000	-18,000	+3,000	+14.3%
Sale of electric energy, reclamation fund	-31,000	-32,000	-34,000	-2,000	-6.3%
Total, Bonneville power administration	-56,000	-53,000	-52,000	+1,000	+1.9%
Southeastern power administration	-126,568	-162,207	-166,704	-4,497	-2.8%
Southeastern power continuing fund	9,873	50	50		
Southwestern power administration	-12,437	-109,300	-83,900	+25,400	+23.2%
Southwestern power continuing fund	62,790	300	300	<u>-</u>	
Deposits from sale and transmission of					
electric energy, Southwestern power admin	-62,790				

	FY 2006 Current	FY 2007 Congressional	FY 2008 Congressional	FY 2008 vs	s. FY 2007
	Approp.	Request	Request	\$	%
Deposits from sale and transmission of electric energy, Southeastern power admin	-9,873				
Western area power administration Sale of power & other utilities					
Reclamation fund	-227,107	-226,033	-199,967	+26,066	+11.5%
Not otherwise classified	13,409	-30,000	-30,000		
Total, Sale of power & other utilities	-213,698	-256,033	-229,967	+26,066	+10.2%
Falcon & Amistad					
Falcon dam	-2,818	-2,466	-2,372	+94	+3.8%
Falcon & Amistad O&M fund	-2,291	-2,500	-2,500		
Total, Falcon & Amistad	-5,109	-4,966	-4,872	+94	+1.9%
Total, Western area power administration	-218,807	-260,999	-234,839	+26,160	+10.0%
Total, Power marketing administrations	-413,812	-585,156	-537,093	+48,063	+8.2%
Total, Proprietary receipts from the public	-1,789,746	-1,351,777	-1,316,562	+35,215	+2.6%
Total, Deductions for offsetting receipts	-2,525,846	-2,455,777	-2,492,562	-36,785	-1.5%
Total, Mandatory Funding	-3,033,322	-2,284,409	-2,590,062	-305,653	-13.4%
Total, Department Of Energy	20,539,288	21,269,530	21,669,189	+399,659	+1.9%

Γ	FY 2006	FY 2007	FY 2008	. FY 2008 vs. FY 2007		
	Current	Congressional	Congressional	F 1 2000 VS	. 1 1 2001	
L	Approp.	Request	Request	\$	%	
Energy Supply And Conservation						
Energy Efficiency and Renewable Energy						
Hydrogen technology						
Hydrogen technology	79,185	195,801	213,000	+17,199	+8.8%	
Fuel cell technologies	74,266					
Total, Hydrogen technology	153,451	195,801	213,000	+17,199	+8.8%	
Biomass and biorefinery systems R&D						
Research and development	89,776	149,687	179,263	+29,576	+19.8%	
Solar energy	81,791	148,372	148,304	-68	-0.0%	
Wind energy	38,333	43,819	40,069	-3,750	-8.6%	
Geothermal technology	22,762					
Hydropower	495					
Vehicle technologies	178,351	166,024	176,138	+10,114	+6.1%	
Building technologies	68,190	77,329	86,456	+9,127	+11.8%	
Industrial technologies	55,856	45,563	45,998	+435	+1.0%	
Federal Energy Management Program						
Departmental energy management program	1,999					
Federal energy management program	16,975	16,906	16,791	-115	-0.7%	
Total, Federal energy management program	18,974	16,906	16,791	-115	-0.7%	
Facilities and infrastructure						
National renewable energy laboratory						
Operation and maintenanceConstruction:	5,742	5,935	6,982	+1,047	+17.6%	
06-EE-01 Research support facility						
Project-1 National renewal energy						
laboratory, Golden, CO	9,900					
02-E-001 Science and technology facility						
National renewable energy laboratory						
Golden, CO	10,410					
Total, Construction	20,310					
Total, Facilities and infrastructure	26,052	5,935	6,982	+1,047	+17.6%	
Weatherization and intergovernmental activities						
Weatherization assistance grants						
Weatherization assistance	237,996	159,648	139,450	-20,198	-12.7%	
Training and technical assistance	4,554	4,550	4,550			
Total, Weatherization assistance grants	242,550	164,198	144,000	-20,198	-12.3%	
State energy program grants	35,640	49,457	45,501	-3,956	-8.0%	
State energy activities	495					
Gateway deployment	25,400					
International renewable energy program	3,871	2,473		-2,473	-100.0%	
Tribal energy activities	3,960	3,957	2,957	-1,000	-25.3%	
Renewable energy production incentive	4,950	4,946	4,946			
Asia pacific		<u> </u>	7,500	+7,500	N/A	
Total, Weatherization and intergovernmental						
activities	316,866	225,031	204,904	-20,127	-8.9%	
Program direction	101,868	91,024	105,013	+13,989	+15.4%	
Program support	13,321	10,930	13,281	+2,351	+21.5%	

Г	FY 2006	FY 2007	FY 2008	EV 2022 :	EV 2007
	Current	Congressional	Congressional	FY 2008 vs	.FY 2007
	Approp.	Request	Request	\$	%
Electricity Delivery & Energy Reliability					
Research and development	10.015		00.405	47.000	00.001
High temperature superconductivity R&D	48,649	45,468	28,186	-17,282	-38.0%
Transmission reliability R&D	12,516				
Electricity distribution transformation R&D	58,453				
Energy storage R&D	2,889				
Gridwarks	5,267				
Gridworks	4,815	47.554	<u></u>	.7751	. 44 00/
Visualization and controls		17,551	25,305	+7,754	+44.2%
Energy storage and power electronics		2,965	6,803	+3,838	+129.4%
Distributed systems integration	400.500	29,652	25,700	-3,952	-13.3%
Total, Research and development	132,589	95,636	85,994	-9,642	-10.1%
Electricity restructuring	12,276				
Operations and analysis		12,009	11,556	-453	-3.8%
Program direction	13,313	17,283	17,387	+104	+0.6%
Total, Electricity Delivery & Energy Reliability	158,178	124,928	114,937	-9,991	-8.0%
Nuclear Energy					
University reactor infrastructure and					
education assistance	26,730				
-	-,0				
Research and development					
Nuclear power 2010	65,340	54,031	114,000	+59,969	+111.0%
Generation IV nuclear energy systems initiative	53,263	31,436	36,145	+4,709	+15.0%
Nuclear hydrogen initiative	24,057	18,665	22,600	+3,935	+21.1%
Advanced fuel cycle initiative	78,408	243,000	395,000	+152,000	+62.6%
Total, Research and development	221,068	347,132	567,745	+220,613	+63.6%
Infrastructure					
Radiological facilities management					
Space and defense infrastructure	39,303	30,650	35,110	+4,460	+14.6%
Medical isotopes infrastructure	22,230	,-30	,	-,	
Medical isotopes infrastructure	14,251	15,634	14,964	-670	-4.3%
Enrichment facility infrastructure	495	491		-491	-100.0%
Research reactor infrastructure		2,947	2,947		
Total, Radiological facilities management	54,049	49,722	53,021	+3,299	+6.6%
Idaho facilities management					
INL infrastructure					
INL operations and infrastructure	101,878	89,260	104,713	+15,453	+17.3%
Construction:	101,010	09,200	104,713	T 13,433	+11.3%
06-E-200 Project engineering and design					
(PED), Idaho National Laboratory, ID	7,791	6,030		-6,030	-100.0%
	<u> </u>				
06-E-201 Gas test loop in the ATR, INL,ID	3,054				400.001
Total, Construction		6,030	101716	-6,030	-100.0%
Total, INL infrastructure	112,723	95,290	104,713	+9,423	+9.9%
Total, Idaho facilities management	112,723	95,290	104,713	+9,423	+9.9%
Idaho sitewide safeguards and security	74,258				
Total, Infrastructure	241,030	145,012	157,734	+12,722	+8.8%
Program direction	60,498	67,608	76,224	+8,616	+12.7%
Transfer from state department					
Total, Nuclear Energy	566,564	559,752	801,703	+241,951	+43.2%

Γ	FY 2006	FY 2007	FY 2008	FY 2008 vs	s. FY 2007
	Current	Congressional Request	Congressional	\$	%
Environment, Safety and Health	Approp.	Request	Request	Φ	70
Office of environment, safety and					
health (non-defense)	7,029	9,128		-9,128	-100.0%
Program direction		19,993		-19,993	-100.0%
Total, Environment, Safety and Health	27,720	29,121		-29,121	-100.0%
•					
Office of Legacy Management	00.407	00.400	05.404	4 00=	= 00/
Legacy management		33,139	35,104	+1,965	+5.9%
Subtotal, Energy Supply and Conservation	1,951,735	1,923,361	2,187,943	+264,582	+13.8%
Use of prior year balances	-3,339				-
Funding from other defense activities	-122,634				
Funding from Naval Reactors					
Total, Energy Supply And Conservation	1,812,397	1,923,361	2,187,943	+264,582	+13.8%
Clean Coal Technology					
Clean Coal Technology Deferral of unobligated balances, FY 2008			257,000	+257,000	N/A
Deferral of unobligated balances, FY 2005	257,000		257,000	1237,000	
Deferral of unobligated balances, FY 2007	-257,000	257,000		-257,000	-100.0%
Rescission		-203,000		+203,000	+100.0%
Rescission, uncommitted balances.	-20,000	-203,000	-149,000	-149,000	N/A
Transfer to Fossil R&D (CCPI)	-20,000		-58,000	-58,000	N/A
		<u></u>	•	-54,000	
Transfer to Fossil R&D (FutureGen) Total, Clean Coal Technology	-20,000	-54,000	-108,000 -58,000	-54,000	-100.0% N/A
Fossil Energy Research And Development Coal					
Clean coal power initiative	48,135	4,957	73,000	+68,043	+1,372.7%
FutureGen	17,326	54,000	108,000	+54,000	+100.0%
Fuels and power systems					
Innovations for existing plants	24,543	16,015		-16,015	-100.0%
Advanced integrated gasification	•	,		•	
combined cycle	54,441	53,982	50,000	-3,982	-7.4%
Advanced turbines	17,411	12,801	22,000	+9,199	+71.9%
Carbon sequestration	64,714	73,971	79,077	+5,106	+6.9%
Fuels	27,913	22,127	10,000	-12,127	-54.8%
Fuels cells	59,788	63,352	62,025	-1,327	-2.1%
Advanced research	51,507	28,914	22,500	-6,414	-22.2%
U.S./China energy and environmental center	•				
Total, Fuels and power systems	301,301	271,162	245,602	-25,560	-9.4%
Total, Coal		330,119	426,602	+96,483	+29.2%
Natural gas technologies	31,801				
Petroleum - Oil technologies	30,805				
Program direction	105,872	129,196	129,973	 +777	+0.6%
=	19,800	123,130	123,313	+/// -	+0.0%
Plant and capital equipment	9,504	9,715	9,570	<u>-145</u>	-1.5%
Fossil energy environmental restoration	•	9,715	9,570	-140	-1.5%
Import/export authorization	1,781				
Advanced metallurgical research	7,920				
Special recruitment programs	649	656	656		
ι αρρακατίνο τοροσίτη από σονοιονίση		000	000		
Cooperative research and development Total, Fossil Energy Research And Development	5,775 580,669	469,686	 566,801	+97,115	+20.7%

	FY 2006	FY 2007	FY 2008	FY 2008 vs	. FY 2007
	Current	Congressional Request	Congressional Request	\$	%
Naval Petroleum & Oil Shale Reserves	Approp.	Request	Request	Φ	70
Naval petroleum & oil shale reserves	21,285	18,810	17,301	-1,509	-8.0%
Total, Naval Petroleum & Oil Shale Reserves	21,285	18,810	17,301	-1,509	-8.0%
	21,200	10,010	,001	.,000	0.070
Elk Hills School Lands Fund					
California teachers' pension fund payment	47,520				
Advance appropriation for previous years	36,000				
Total, Elk Hills School Lands Fund	83,520				
Strategic Petroleum Reserve					
SPR - Facilities development					
Storage facilities development	190,510	138,040	145,303	+7,263	+5.3%
Expansion			166,496	+166,496	N/A
Management for SPR operations	16,830	17,390	18,169	+779	+4.5%
Management for SPR expansion	<u>-</u>	·	1,641	+1,641	N/A
Total, SPR - Facilities development	207,340	155,430	331,609	+176,179	+113.3%
Stratonia Datralaum Aggunt					
Strategic Petroleum Account SPR - Oil acquisition	-43,000				
	-,				
Northeast Home Heating Oil Reserve		4.050	F 22F	. 275	.7.00/
Northeast home heating oil reserve	164,340	4,950 160,380	5,325 336,934	+375 +176,554	+7.6% +110.1%
Uranium Enrichment Decontamination And Decommissioning Fund	500,000	550,000	552 500	5.050	4.00/
Decontamination and decommissioning	536,806	559,368	553,509	-5,859	-1.0%
Uranium/thorium reimbursement	19,800 556,606	20,000 579,368	20,000 573,509	-5,859	-1.0%
Total, Uranium Enrichment D&D Fund	556,606	379,300	573,509	-5,659	-1.0%
Energy Information Administration					
National energy information system	85,314	89,769	105,095	+15,326	+17.1%
New Potence Engineering Cleanum					
Non-Defense Environmental Cleanup	76,329	73,400	54,395	-19,005	-25.9%
West Valley demonstration project		•	•	•	-25.9% -49.1%
Gaseous diffusion plants Depleted uranium hexafluoride conversion, 02-U-101	48,325 84,945	74,860 32,556	38,120	-36,740 -32,556	-49.1%
Fast flux test reactor facility (WA)	45,652	34,843	10,342	-24,501	-70.3%
1 ast flux test reactor facility (WA)	43,032	34,043	10,342	-24,501	-70.576
Small sites:					
Argonne National Laboratory	10,382	10,726	2,437	-8,289	-77.3%
Brookhaven National Laboratory	33,985	28,272	23,699	-4,573	-16.2%
Idaho National Laboratory	5,221	7,000	5,400	-1,600	-22.9%
Consolidated business center:	00	160	160		
California Site Support	99 302	160 2 931	160 427	-2 FO4	-85.4%
Inhalation Toxicology LaboratoryLawrence Berkeley National Laboratory	3,861	2,931	441	-2,504 	-05.4%
Stanford Linear Accelerator Center	3,465	5,720	5,900	+180	+3.1%
Energy Technology Engineering Center	8,910	16,000	13,000	-3,000	-18.8%
	5,5.0	.0,000	10,000	3,000	. 0.0 /0

Total, Consolidated business center	F	E) / 0000	E) (0007	E) / 0000		
Los Alames National Laboratory					FY 2008 vs.	. FY 2007
Los Alarmos National Laboratory			J	J		
Moab. 27,726 22,865 23,952 11,087 14,8%	L				,	
Completed Sites Administration and Support			•	•		
Total, Consolidated business center.		27,726	22,865		•	
Subtotal, Small sites. 94.436 94.699 78,080 -16,619 -17.5% Total, Non-Defense Environmental Cleanup. 349,687 310,358 180,937 -129,421 -41.7% -41.7%						N/A
Total, Non-Defense Environmental Cleanup. 349,687 310,358 180,937 129,421 -41.7%	Total, Consolidated business center	,				-4.4%
Uranium Sales And Remediation Uranium sales and remediation 124,542 —	Subtotal, Small sites					-17.5%
Trainum sales and remediation. 124,542	Total, Non-Defense Environmental Cleanup	349,687	310,358	180,937	-129,421	-41.7%
Trainum sales and remediation. 124,542						
Science	Uranium Sales And Remediation					
Science	Uranium sales and remediation	124,542				
Science	Offsetting collections	-124,542				
High energy physics						
Proton accelerator-based physics. 362,157 376,536 388,672 +13,136 +3.5%						
Electron accelerator-based physics.	9 9 9 9	000 155	070.500	000.070	10.100	0.50/
Non-accelerator physics.	· ·	•	•	·	•	
Theoretical physics		•	•	·	•	
Advanced technology R&D			•	•		
Construction: 07-SC-07 Project engineering and design (PED) Electron heutrino appearance (EvA)	• •			·	•	
10,300	Advanced technology R&D	121,601	159,476	183,464	+23,988	+15.0%
Electron neutrino appearance (EvA)	Construction:					
Total, High energy physics 698,238 775,099 782,238 +7,139 +0.9% Nuclear physics Operation and maintenance 355,276 439,540 453,619 +14,079 +3.2% Construction: 07-SC-02 Electron beam ion source 7,400 4,200 -3,200 -43.2% Brookhaven National Laboratory, NY — 7,400 4,200 -3,200 -43.2% 06-SC-01 Project engineering and design (PED), 12 GeV continuous electron beam accelerator facility upgrade, Thomas Jefferson National Accelerator Facility (was project 07-SC-001) 500 7,000 13,500 +6,500 +92.9% 06-SC-02 Project engineering and design (PED), Electron beam ion source, Brookhaven National Laboratory, Upton, NY 1,980 120 — -120 -100.0% Total, Construction 2,480 14,520 17,700 +3,180 +21.9% Total, Nuclear physics 357,756 454,060 471,319 +17,259 +3.8% Biological and environmental research Research 564,077 510,263 531,897 +21,634 +4.2% Basic energy sciences Research Materials sciences and engineering research	07-SC-07 Project engineering and design (PED)					
Nuclear physics Operation and maintenance	Electron neutrino appearance (EvA)		10,300		-10,300	-100.0%
Operation and maintenance	Total, High energy physics	698,238	775,099	782,238	+7,139	+0.9%
Construction: 07-SC-02 Electron beam ion source Brookhaven National Laboratory, NY	Nuclear physics					
07-SC-02 Electron beam ion source T,400 4,200 -3,200 -43.2% 06-SC-01 Project engineering and design (PED), 12 GeV continuous electron beam accelerator facility upgrade, Thomas Jefferson National Accelerator Facility (was project 07-SC-001) 500 7,000 13,500 +6,500 +92.9% 06-SC-02 Project engineering and design (PED), Electron beam ion source, Brookhaven National Laboratory, Upton, NY	Operation and maintenance	355,276	439,540	453,619	+14,079	+3.2%
Brookhaven National Laboratory, NY	Construction:					
06-SC-01 Project engineering and design (PED), 12 GeV continuous electron beam accelerator facility upgrade, Thomas Jefferson National Accelerator Facility (was project 07-SC-001) Newport News, VA	07-SC-02 Electron beam ion source					
12 GeV continuous electron beam accelerator facility upgrade, Thomas Jefferson National Accelerator Facility (was project 07-SC-001) 500 7,000 13,500 +6,500 +92.9% 06-SC-02 Project engineering and design (PED), Electron beam ion source, Brookhaven National Laboratory, Upton, NY. 1,980 120 — -120 -100.0% Total, Construction. 2,480 14,520 17,700 +3,180 +21.9% Total, Nuclear physics. 357,756 454,060 471,319 +17,259 +3.8% Biological and environmental research Research. 564,077 510,263 531,897 +21,634 +4.2% Basic energy sciences Research Materials sciences and engineering research. 726,895 1,004,212 1,093,219 +89,007 +8.9% Chemical sciences, geosciences and energy biosciences. 206,961 268,499 283,956 +15,457 +5.8%	Brookhaven National Laboratory, NY		7,400	4,200	-3,200	-43.2%
Accelerator Facility (was project 07-SC-001) Newport News, VA	12 GeV continuous electron beam accelerator					
Newport News, VA						
06-SC-02 Project engineering and design (PED), Electron beam ion source, Brookhaven National Laboratory, Upton, NY. 1,980 120 — -120 -100.0% Total, Construction. 2,480 14,520 17,700 +3,180 +21.9% Total, Nuclear physics. 357,756 454,060 471,319 +17,259 +3.8% Biological and environmental research Research 564,077 510,263 531,897 +21,634 +4.2% Basic energy sciences Research 726,895 1,004,212 1,093,219 +89,007 +8.9% Chemical sciences, geosciences and energy biosciences. 206,961 268,499 283,956 +15,457 +5.8%		500	7 000	13 500	+6 500	+92 9%
Electron beam ion source, Brookhaven National Laboratory, Upton, NY. 1,980 120 — -120 -100.0% Total, Construction. 2,480 14,520 17,700 +3,180 +21.9% Total, Nuclear physics. 357,756 454,060 471,319 +17,259 +3.8% Biological and environmental research Research. 564,077 510,263 531,897 +21,634 +4.2% Basic energy sciences Research 726,895 1,004,212 1,093,219 +89,007 +8.9% Chemical sciences, geosciences and energy biosciences. 206,961 268,499 283,956 +15,457 +5.8%	1.0.1po(1.10.10), 17.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	000	7,000	10,000	. 0,000	.02.070
Laboratory, Upton, NY. 1,980 120 — -120 -100.0% Total, Construction. 2,480 14,520 17,700 +3,180 +21.9% Total, Nuclear physics. 357,756 454,060 471,319 +17,259 +3.8% Biological and environmental research Research. 564,077 510,263 531,897 +21,634 +4.2% Basic energy sciences Research 726,895 1,004,212 1,093,219 +89,007 +8.9% Chemical sciences, geosciences and energy biosciences. 206,961 268,499 283,956 +15,457 +5.8%						
Total, Construction						
Total, Nuclear physics	Laboratory, Upton, NY	1,980			-120	-100.0%
Biological and environmental research Research	Total, Construction		14,520	17,700	+3,180	+21.9%
Research	Total, Nuclear physics	357,756	454,060	471,319	+17,259	+3.8%
Basic energy sciences Research Materials sciences and engineering research	Biological and environmental research					
Research Materials sciences and engineering research	Research	564,077	510,263	531,897	+21,634	+4.2%
Materials sciences and engineering research	• •					
Chemical sciences, geosciences and energy 206,961 268,499 283,956 +15,457 +5.8%						
biosciences	Materials sciences and engineering research	726,895	1,004,212	1,093,219	+89,007	+8.9%
	Chemical sciences, geosciences and energy					
Total, Research	biosciences	206,961	268,499	<u>2</u> 83,95	+15,457	+5.8%
	Total, Research	933,856	1,272,711	1,377,175	+104,464	+8.2%

Г	FY 2006	FY 2007	FY 2008		
	Current	Congressional	Congressional	FY 2008 vs	s. FY 2007
	Approp.	Request	Request	\$	%
Construction:	дрргор.	Request	Request	Ψ	70
08-SC-01 Advanced light source (ALS)					
user support building, LBNL, CA			17,200	+17,200	N/A
doct support building, EDIVE, Ort			17,200	117,200	14/74
08-SC-10 Project engineering and design (PED)					
Photon ultrafast laser science and					
engineering (PULSE) building					
renovation, SLAC, CA			950	+950	N/A
08-SC-11 Photon ultrafast laser science and					
engineering (PULSE) building					
renovation, SLAC, CA			6,450	+6,450	N/A
07-SC-06 Project engineering and design (PED)					
National Synchrotron light source II (NSLS-II)		20,000	45,000	+25,000	+125.0%
07-SC-12 Project engineering and design (PED)					
Advanced light source user building, LBNL		3,000		-3,000	-100.0%
05 D 000 L:					
05-R-320 Linac coherent light source (LCLS),	00.470	105 710	54.050	54.004	E4 40/
Stanford Linear Accelerator Center (SLAC)	82,170	105,740	51,356	-54,384	-51.4%
OF D 201 Center for functional nemerotorials					
05-R-321 Center for functional nanomaterials,	26 107	10.064	266	-18,498	00.10/
Brookhaven National Laboratory, NY	36,187	18,864	366	-18,498	-98.1%
04-R-313 The molecular foundry, LBNL	9,510	257		-257	-100.0%
04-11-313 The molecular loundry, EDIVE	9,510	231		-231	-100.076
03-SC-002 Project engineering and design					
(PED), Linac coherent light source (LCLS),					
Stanford Linear Accelerator Center (SLAC)	2,518	161		-161	-100.0%
(,	_,-,-				
03-R-313 Center for integrated					
nanotechnology, SNL	4,580	247		-247	-100.0%
99-E-334 Spallation neutron source, ORNL	41,327				
Total, Construction		148,269	121,322	-26,947	-18.2%
Total, Basic energy sciences	1,110,148	1,420,980	1,498,497	+77,517	+5.5%
		040.054	0.40.400	04.544	0.00/
Advanced scientific computing research	228,382	318,654	340,198	+21,544	+6.8%
Calamaa lahayatayisa infyaatyyatyya					
Science laboratories infrastructure					
Laboratories facilities support	1 505	1 520	1 500		
Infrastructure support	1,505 2,970	1,520	1,520		
General plant projects	2,970				
07-SC-04 Science laboratories infrastructure					
project engineering and design (PED)		8,908		-8,908	-100.0%
project engineering and design (FED)		0,900		-0,906	-100.0%
04-SC-001 Science laboratories infrastructure					
project engineering and design (PED)	2,970				
project originooning and design (i LD)	2,010	_	_	_	_
MEL-001 Multiprogram energy laboratory					
infrastructure projects, various locations	14,720	19,033	63,529	+44,496	+233.8%
Total, Construction		27,941	63,529	+35,588	+127.4%
Total, Laboratories facilities support	22,165	29,461	65,049	+35,588	+120.8%
	,	-, -,	,-	- ,	

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	FY 2006	FY 2007	FY 2008	FY 2008 vs.	FY 2007
	Current	Congressional	Congressional	Φ.	0/
Oak Bidge landlard	Approp. 5,028	Request	Request	\$	%
Oak Ridge landlord	•	5,079	5,079 8,828	-7,520	-46.0%
Excess facilities disposition	14,491 41,684	16,348 50,888	78,956	+28,068	+55.2%
Total, Science laboratories infrastructure	41,004	50,666	76,930	+20,000	+55.2%
Fusion energy sciences program	280,683	318,950	427,850	+108,900	+34.1%
Safeguards and security	73,630	76,592	76,592		
Science program direction					
Field offices	90,963	95,832	104,193	+8,361	+8.7%
Headquarters	68,155	75,045	80,741	+5,696	+7.6%
Total, Science program direction	159,118	170,877	184,934	+14,057	+8.2%
Workforce development for teachers and scientists	7,120	10,952	11,000	+48	+0.4%
Small business innovation research (SBIR)	116,813				
Subtotal, Science	3,637,649	4,107,315	4,403,481	+296,166	+7.2%
Adjustments:				·	
Less security charge for reimbursable work	-5,605	-5,605	-5,605		
Total, Science	3,632,044	4,101,710	4,397,876	+296,166	+7.2%
Nuclear Waste Disposal Nuclear waste disposal fund Repository program	19,800	80,986	127,780	+46,794	+57.8%
Integrated spent fuel recycling	49,500				
Program direction	79,200	75,434	74,674	-760	-1.0%
Total, Nuclear Waste Disposal	148,500	156,420	202,454	+46,034	+29.4%
Departmental Administration Administrative operations: Salaries and expenses:					
Office of the Secretary	5,399	5,539	5,787	+248	+4.5%
Board of contract appeals	648	147		-147	-100.0%
Chief financial officer	37,522	36,790	40,260	+3,470	+9.4%
Management	53,973	55,237	63,939	+8,702	+15.8%
Human Capital Management	17,384	22,029	28,161	+6,132	+27.8%
Chief information officer	38,991	47,722	47,502	-220	-0.5%
Congressional & intergovernmental affairs	4,795	4,866	4,762	-104	-2.1%
Economic impact and diversity	5,318	5,144	5,649	+505	+9.8%
General counsel	23,069	24,725	30,076	+5,351	+21.6%
Policy and International Affairs	14,897	18,744	20,014	+1,270	+6.8%
Public affairs	4,475	4,419	3,860	-559	-12.6%
Total, Salaries and expenses	206,471	225,362	250,010	+24,648	+10.9%
Program support					
Minority economic impact	818	825	834	+9	+1.1%
Policy analysis and systems studies	389	612	625	+13	+2.1%
Environmental policy studies	558	520	531	+11	+2.1%
Cybersecurity and secure communications	24,486	38,183	35,184	-2,999	-7.9%
Corporate management information program (CIO) Total, Program support	22,825 49,076	22,917 63,057	28,421 65,595	+5,504 +2,538	+24.0% +4.0%
rotal, Frogram support	49,070	03,057	00,090	+2,000	+4 .0%
Competitive sourcing initiative (A-76)	2,464	2,982	1,770	-1,212	-40.6%
Total, Administrative operations	258,011	291,401	317,375	+25,974	. 0 00/
,,	200,011		- ,	,	+8.9%
Cost of work for others	·	80,239	91,991	+11,752	+14.6%

Г	FY 2006	FY 2007	FY 2008	FV 0000 FV 0007		
	Current	Congressional	Congressional	FY 2008 vs.	. FY 2007	
	Approp.	Request	Request	\$	%	
Adjustments:		•	•	•		
Funding from other defense activities	-86,699	-93,258	-99,000	-5,742	-6.2%	
Total, Adjustments	-86,699	-93,258	-99,000	-5,742	-6.2%	
Total, Departmental Administration (gross)	251,519	278,382	310,366	+31,984	+11.5%	
Miscellaneous revenues	-130,924	-149,557	-161,818	-12,261	-8.2%	
Total, Departmental Administration (Net)	120,595	128,825	148,548	+19,723	+15.3%	
Office Of The Increator Constal						
Office Of The Inspector General Office of inspector general	41,580	45,507	47,732	+2,225	+4.9%	
•	,000	10,001	,. 0=	- =,==0		
Innovative Technology Loan Guarantee Program						
Administrative operations			8,390	+8,390	N/A	
Washing Astistics						
Weapons Activities Directed stockpile work						
Life extension programs						
B61 Life extension program	51,045	58,934	63,115	+4,181	+7.1%	
W76 Life extension program	181,942	151,684	175,571	+23,887	+15.7%	
W80 Life extension program	84,744	102,044		-102,044	-100.0%	
Total, Life extension programs	317,731	312,662	238,686	-73,976	-23.7%	
Stockpile systems						
B61 Stockpile systems	64,374	63,782	75,091	+11,309	+17.7%	
W62 Stockpile systems	7,421	3,738	2,153	-1,585	-42.4%	
W76 Stockpile systems	65,451	56,174	69,238	+13,064	+23.3%	
W78 Stockpile systems W80 Stockpile systems	27,331 24,326	50,662 27,230	38,991 32,372	-11,671 +5,142	-23.0% +18.9%	
B83 Stockpile systems	22,936	23,365	25,012	+1,647	+7.0%	
W84 Stockpile systems	3,972	1,465	20,012	-1,465	-100.0%	
W87 Stockpile systems	54,833	59,333	57,147	-2,186	-3.7%	
W88 Stockpile systems	30,074	39,796	46,713	+6,917	+17.4%	
Total, Stockpile systems	300,718	325,545	346,717	+21,172	+6.5%	
Reliable replacement warhead	24,750	27,707	88,769	+61,062	+220.4%	
Weapons dismantlement and disposition	59,400	75,000	52,250	-22,750	-30.3%	
Stockpile services						
Production support	232,200	236,115	284,979	+48,864	+20.7%	
Research and development support	60,958	63,948	33,329	-30,619	-47.9%	
R&D certification and safety	215,081	194,199	181,984	-12,215	-6.3%	
Management, technology, and production Responsive infrastructure	161,489	159,662 15,430	205,576 14,946	+45,914 -484	+28.8% -3.1%	
Total, Stockpile services	669,728	669,354	720,814	+51,460	+7.7%	
Total, Directed stockpile work	1,372,327	1,410,268	1,447,236	+36,968	+2.6%	
Campaigns:						
Science campaign						
Primary assessment technologies	49,221	50,527	63,527	+13,000	+25.7%	
Dynamic materials properties	83,055	80,727	98,014	+17,287	+21.4%	
Advanced radiography	49,025	36,745	30,995	-5,750	-15.6%	
Secondary assessment technologies	75,569 10,800	81,006	80,539	-467 -14 757	-0.6% -100.0%	
Test readiness	19,800 276,670	14,757 263,762	273,075	-14,757 +9,313	-100.0% +3.5%	
rotal, obletibe barripalyri	210,010	203,102	213,013	T3,313	+3.3%	

FY 2006 FY 2007 FY 2008 Current Congressional Approp. Request Request \$	2007
	%
Engineering campaign	70
Enhanced surety	-7.2%
Weapon systems engineering assessment	
technology	-6.9%
Nuclear survivability	-41.1%
Enhanced surveillance	-6.8%
Engineering campaign construction activities	
MESA, other project costs	+65.4%
Construction:	
01-D-108 Microsystem & engineering science	
applications (MESA), SNL, Albuquerque, NM	+61.8%
Total, Engineering campaign construction	
activities	+63.3%
Total, Engineering campaign	-5.1%
In antial confinement fusion ignition and	
Inertial confinement fusion ignition and	
high yield campaign Ignition	+22.3%
	100.0%
Support of stockpile programs	100.0%
NIF diagnostics, cryogenics and experimental	
support	+47.8%
Pulsed power inertial confinement fusion	-1.5%
	100.0%
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Joint program in high energy density	
laboratory plasmas	N/A
	100.1%
Inertial fusion technology	
NIF assembly and installation	-4.5%
	100.0%
Subtotal, Inertial confinement fusion and high	40.00/
yield campaign	+18.3%
Construction:	
96-D-111 National ignition facility (NIF),	
Lawrence Livermore National Laboratory,	00.00/
Livermore, CA	-90.9%
Total, Inertial confinement fusion and high	0.00/
yield campaign	-8.6%
Advanced simulation and computing campaign	
Operations and maintenance	-5.2%
Operations and maintenance	J.Z /0
Pit manufacturing and certification	
Pit manufacturing	+5.5%
Pit certification	-18.7%
Pit manufacturing capability	+63.4%
Modern pit facility	
Pit campaign support activities at NTS	
Consolidated plutonium center:	
other project cost (OPC)	N/A
Total, Pit manufacturing and certification	+18.4%

	FY 2006 Current	FY 2007 Congressional	FY 2008 Congressional	FY 2008 vs	s. FY 2007
	Approp.	Request	Request	\$	%
Readiness Campaign					
Stockpile readiness	16,604	17,576	18,924	+1,348	+7.7%
High explosives and weapon operations	15,595	17,188	9,835	-7,353	-42.8%
Non-nuclear readiness	29,808	31,171	25,592	-5,579	-17.9%
Tritium readiness					
Operations and maintenance	62,067	86,385	73,231	-13,154	-15.2%
98-D-125 Tritium extraction facility,					
Savannah River Site, Aiken, SC	24,645				
Total, Tritium readiness	86,712	86,385	73,231	-13,154	-15.2%
Advanced design and production technologies	67,848	53,645	33,587	-20,058	-37.4%
Total, Readiness campaign		205,965	161,169	-44,796	-21.7%
Total, Campaigns	2,123,161	1,937,390	1,866,220	-71,170	-3.7%
Readiness in technical base and facilities (RTBF)					
Operations of facilities					
Operations of facilities	1,170,329		1,159,305	+1,159,305	N/A
Operations of facilities		00.057		00.057	400.00/
Kansas City Plant		98,057		-98,057	-100.0%
Lawrence Livermore National Laboratory		96,906		-96,906	-100.0%
Los Alamos National Laboratory		306,258		-306,258	-100.0%
Nevada Test Site		67,687		-67,687	-100.0%
Pantex		96,124		-96,124	-100.0%
Sandia National Laboratory		163,627		-163,627	-100.0% -100.0%
Savannah River Site		100,013		-100,013	
Y-12 Production Plant		191,092		-191,092	-100.0%
Institutional site support		84,022		-84,022	-100.0%
Total, Operations of facilities (New)	1,170,329	1,203,786 1,203,786	1,159,305	-1,203,786 -44,481	-100.0% -3.7%
Total, Operations of facilities	1,170,329	1,203,760	1,109,300	-44,401	-3.1 %
Program readiness	104,681	75,167	71,466	-3,701	-4.9%
Material recycle and recovery	72,003	69,982	69,962	-20	-0.0%
Containers	17,074	20,130	19,184	-946	-4.7%
Storage	24,970	35,285	35,133	-152	-0.4%
Subtotal, Readiness in technical base and facilities	1,389,057	1,404,350	1,355,050	-49,300	-3.5%
Construction:					
08-D-801 High pressure fire loop (HPFL)					
Pantex, Tx			7,000	+7,000	N/A
08-D-802 High explosive pressing facility					
Pantex Plant, Amarillo, TX			25,300	+25,300	N/A
08-D-804 TA-55 Reinvestment project					
Los Almos National Laboratory (LANL)			6,000	+6,000	N/A
07-D-140 Project engineering and design (PED)					
various locations		4,977	2,500	-2,477	-49.8%
07-D-220 Radioactive liquid waste					
treatment facility upgrade project, LANL		14,828	26,672	+11,844	+79.9%

	FY 2006 Current	FY 2007 Congressional	FY 2008 Congressional	FY 2008 vs	s. FY 2007
	Approp.	Request	Request	\$	%
06-D-140 Project engineering design (PED) various locations	12,379	51,577	23,862	-27,715	-53.7%
06-D-402 NTS replace fire stations 1 & 2 Nevada Test Site, NV	8,201	13,919	6,719	-7,200	-51.7%
06-D-403 Tritium facility modernization Lawrence Livermore National Laboratory,					
Livermore, CA	2,574	7,810		-7,810	-100.0%
06-D-404 Building remediation, restoration, and upgrade, Nevada Test Site, NV	15,840				
05-D-140 Project engineering design various locations	6,930	9,615	7,000	-2,615	-27.2%
05-D-401 Building 12-64 production bays upgrades Pantex Plant, Amarillo, TX	10,890		_		
05-D-402 Beryllium capability(BEC) project, Y-12 National Security Complex, Oakridge, TN	7,623	5,084		-5,084	-100.0%
04-D-103 Project engineering and design, (PED) various locations	1,980		_		
04-D-125 Chemistry and metallurgy facility replacement project, Los Alamos National Laboratory, Los Alamos, NM	54,450	112,422	95,586	-16,836	-15.0%
04-D-126 Building 12-44 production cells upgrade, Pantex plant, Amarillo, TX	7,500				
04-D-128 TA-18 Criticality experiments facility (CEF), Los Alamos National Laboratory Nevada Test Site, NV	12,870	24,197	29,455	+5,258	+21.7%
03-D-102 National security sciences building Los Alamos National Laboratory, Los Alamos, NM	6,390				
03-D-103 Project engineering and design (PED) various locations	28,710	14,161	_	-14,161	-100.0%
01-D-103 Project engineering and design (PED) various locations	8,910	1,565		-1,565	-100.0%
01-D-124 HEU materials facility, Y-12 plant, Oak Ridge, TN	80,536	21,267	77,000	+55,733	+262.1%
Total, Construction Total, Readiness in technical base and facilities	265,783 1,654,840	281,422 1,685,772	307,094 1,662,144	+25,672 -23,628	+9.1% -1.4%
Secure transportation asset					
Operations and equipment	142,328	130,484	130,845	+361	+0.3%
Program direction	67,651	78,780	84,801	+6,021	+7.6%
Total, Secure transportation asset	209,979	209,264	215,646	+6,382	+3.0%
Nuclear weapons incident response	117,608	135,354	161,748	+26,394	+19.5%

Γ	FY 2006	FY 2007	FY 2008	EV 2000	EV 2007
	Current	Congressional	Congressional	FY 2008 v	5. FY 2007
	Approp.	Request	Request	\$	%
Facilities and infrastructure recapitalization					
program					
Operation and maintenance	99,840	245,283	231,023	-14,260	-5.8%
Construction					
08-D-601 Mercury highway					
Neveda Test Site, NV			7,800	+7,800	N/A
09 D 602 Portable water evetem ungrades					
08-D-602 Portable water system upgrades Y-12 Plant, Oak Ridge, TN			22 500	122 500	NI/A
1-12 Plant, Oak Ridge, TN			22,500	+22,500	N/A
07-D-253 TA 1 heating systems modernization					
(HSM) Sandia National Laboratory		14,500	13,000	-1,500	-10.3%
06-D-160 Project engineering and design					
various locations	5,753	2,700		-2,700	-100.0%
06-D-601 Electrical distribution system					
upgrade, Pantex Plant, Amarillo, TX	3,960	6,429	2,500	-3,929	-61.1%
apgrado, i amosti iam, imamo, i i imminimi	0,000	5,5	_,000	0,020	011170
06-D-602 Gas main and distribution system					
upgrade, Pantex Plant, Amarillo, TX	3,663	3,145	1,900	-1,245	-39.6%
06-D-603 Steam plant life extension					
project (SLEP), Y-12, National					
Security Complex, Oakridge, TN	722	17,811	15,020	-2,791	-15.7%
05-D-160 Facilities and infrastructure					
recapitalization program project engineering	10.527	640		649	100.09/
and design (PED), various locations	10,537	648		-648	-100.0%
05-D-601 Compressed air upgrades project					
(CAUP), Y-12, National security complex,					
Oakridge, TN	9,644	702		-702	-100.0%
05-D-602 Power grid infrastructure upgrade					
(PGIU), Los Alamos National Laboratory,	0.445				
Los Alamos, NM	8,415				
05-D-603 New master substation (NMSU) SNL	6,831				
Total, Construction	49,525	45,935	62,720	+16,785	+36.5%
Total, Facilities and infrastructure	·	·	•	·	
recapitalization program	149,365	291,218	293,743	+2,525	+0.9%
Environmental projects and operations		47.044		47.044	400.007
Long term response actions		17,211	47.540	-17,211	-100.0%
Long term stewardship		47.04.1	17,518	+17,518	N/A
Total, Environmental projects and operations		17,211	17,518	+307	+1.8%

	FY 2006 Current	FY 2007 Congressional	FY 2008 Congressional	FY 2008 vs	. FY 2007
	Approp.	Request	Request	\$	%
Safeguards and security	лъргор.	rtoquoot	rtoquoot	Ψ	70
Defense nuclear security					
Operations and maintenance	666,690	665,701	721,318	+55,617	+8.4%
Construction:	,		,	, , , , , , ,	
08-D-701 Nuclear materials S&S upgrade					
project Los Almos National Laboratory			49,496	+49,496	N/A
, ,, ,			,	-,	
05-D-170 Project engineering and design,					
various locations	40,590		8,000	+8,000	N/A
Total, Construction	40,590		57,496	+57,496	N/A
Total, Defense nuclear security	707,280	665,701	778,814	+113,113	+17.0%
Cybersecurity	90,471	88,711	102,243	+13,532	+15.3%
Total, Safeguards and security	797,751	754,412	881,057	+126,645	+16.8%
Subtotal, Weapons Activities	6,425,031	6,440,889	6,545,312	+104,423	+1.6%
Adjustments					
Use of prior year balances	-37,734				
Less security charge for reimbursable work	-32,000	-33,000	-34,000	-1,000	-3.0%
Total, Adjustments	-69,734	-33,000	-34,000	-1,000	-3.0%
Total, Weapons Activities	6,355,297	6,407,889	6,511,312	+103,423	+1.6%
Defense Nuclear Nonproliferation Nonproliferation and verification R&D Operations and maintenance Construction: 07-SC-05 Physical Science Facility Pacific Northwest National Laboratory Richland, WA	299,788	260,967 4,220	265,252	+4,285	+1.6%
06-D-180 06-01 Project engineering and design (PED), Pacific Northwest National					
Laboratory, Richland, WA	12,870	3,700		-3,700	-100.0%
Total, Construction		7,920		-7,920	-100.0%
Total, Nonproliferation & verification R&D	312,658	268,887	265,252	-3,635	-1.4%
	,	,	,	-,	
Nonproliferation and international security	74,250	127,411	124,870	-2,541	-2.0%
International nuclear materials protection					
and cooperation	422,730	413,182	371,771	-41,411	-10.0%
Global initiatives for proliferation prevention	39,600				
HEU transparency implementation	19,288				
TIEO transparency implementation	19,200				
Elimination of weapons-grade plutonium production					
program	187,100	206,654	181,593	-25,061	-12.1%
program	107,100	200,004	101,000	25,001	12.170
Fissile materials disposition					
U.S. surplus materials disposition	193,050	235,051	215,685	-19,366	-8.2%
Russian surplus materials disposition	34,163	34,695		-34,695	-100.0%
Construction:	34,100	04,000		3 7,000	. 55.570
99-D-141 Pit disassembly and conversion facility, Savannah River, SC	23,760	78,700	60,000	-18,700	-23.8%
racinty, Savarinan Kiver, Sc	23,700	10,100	00,000	-10,700	-23.0%

Γ			FY 2008	. FY 2008 vs. FY 2007		
	Current	Congressional	Congressional			
	Approp.	Request	Request	\$	%	
99-D-143 Mixed oxide fuel fabrication	047.000	000 540	000 040	. 44 000	.45.00/	
facility, Savannah River, SC	217,800	289,510	333,849	+44,339	+15.3%	
Total, Construction	241,560	368,210	393,849	+25,639	+7.0% -4.5%	
Total, Fissile materials disposition	468,773 96,995	637,956 106,818	609,534 119,626	-28,422 +12,808		
Subtotal, Defense Nuclear Nonproliferation	1,621,394	1,760,908	1,672,646	-88,262	+12.0% -5.0%	
Subtotal, Deterise Nuclear Nonproliferation	1,021,394	1,700,900	1,072,040	-00,202	-3.0 /6	
Adjustments:						
Use of prior year balances	-2,215	-34,695		+34,695	+100.0%	
Total, Defense Nuclear Nonproliferation	1,619,179	1,726,213	1,672,646	-53,567	-3.1%	
Naval Reactors Naval reactors development						
Operation and maintenance						
Operation and maintenance	721,512	761,176	765,519	+4,343	+0.6%	
Transfer to nuclear energy	13,365	701,170	700,010			
Total, Operation and maintenance	734,877	761,176	765,519	+4,343	+0.6%	
Construction:	,		. 55,5.5	,	. 0.0 / 0	
08-D-901 Shipping and receiving and warehouse						
complex (SRWC), BAPL			9,000	+9,000	N/A	
08-D-190 Project engineering and design Expended Core Facility M-290 recovering						
discharge station, Naval Reactor Facility, ID			550	+550	N/A	
07-D-190 Materials research technology						
complex (MRTC)		1,485	450	-1,035	-69.7%	
06-D-901 Central office building 2, Atomic						
Power Laboratory, West Mifflin, PA	6,930					
05-D-900 Materials development facility						
building, Schenectady, NY	9,801	1,287		-1,287	-100.0%	
Total, Construction		2,772	10,000	+7,228	+260.8%	
Total, Naval reactors development	751,608	763,948	775,519	+11,571	+1.5%	
Program direction		31,185	32,700	+1,515	+4.9%	
Total, Naval Reactors	781,605	795,133	808,219	+13,086	+1.6%	
Office Of The Administrator						
Office of the administrator	361,119	386,576	394,656	+8,080	+2.1%	
Use of prior year balances	-6,896					
Total, Office Of The Administrator	354,223	386,576	394,656	+8,080	+2.1%	

ſ	FY 2006	FY 2007	FY 2008	FY 2008 vs	EV 2007
	Current	Congressional	Congressional	F1 2006 VS	. F1 2007
	Approp.	Request	Request	\$	%
Defense Environmental Cleanup					
Closure sites:					
Ashtabula	15,841	295	295		
Columbus	26,834				
Closure sites administration		25,896	11,834	-14,062	-54.3%
Fernald	349,844	258,877		-258,877	-100.0%
Miamisburg	170,578	34,869	30,308	-4,561	-13.1%
Rocky Flats	514,709	1,000		-1,000	-100.0%
Total, Closure sites	1,077,806	320,937	42,437	-278,500	-86.8%
Hanford site:					
2012 completion projects					
Nuclear material stabilization and					
disposition PFP	140,749	81,651	98,002	+16,351	+20.0%
SNF stabilization and disposition	113,835	81,069	99,815	+18,746	+23.1%
Nuclear facility D&D river corridor closure					
project	176,722	221,022	215,221	-5,801	-2.6%
Solid waste stabilization and disposition		39,876		-39,876	-100.0%
HAMMER facility	7,425				
B-reactor museum					
Total, 2012 completion projects	440,711	423,618	413,038	-10,580	-2.5%
2035 completion projects					
Solid waste stabilization and disposition					
Solid waste stabilization and disposition 2035	165,448	188,989	236,788	+47,799	+25.3%
Soil and water remediation - groundwater					
vadose zone	. 73,753	75,973	105,552	+29,579	+38.9%
Nuclear facility D&D - remainder of Hanford	70,106	94,270	98,753	+4,483	+4.8%
Operate waste disposal facility	5,803	3,534	3,329	-205	-5.8%
SNF stabilization and disposition/storage	1,795				
Richland community and regulatory support	15,257	18,332	19,620	+1,288	+7.0%
Total, 2035 completion projects	332,162	381,098	464,042	+82,944	+21.8%
Total, Hanford site	772,873	804,716	877,080	+72,364	+9.0%
Office of River Protection:					
Waste treatment and immobilization plant					
Construction:					
01-D-416 Waste treatment and					
immobilization plant					
01-D-16A Low activity waste facility	161,376	77,800	143,000	+65,200	+83.8%
01-D-16B Analytical laboratory	44,552	21,800	45,000	+23,200	+106.4%
01-D-16C Balance of facilities	64,352	48,900	72,000	+23,100	+47.2%
01-D-16D High level waste facility	102,964	253,700	177,000	-76,700	-30.2%
01-D-16E Pretreatment facility	147,515	287,800	253,000	-34,800	-12.1%
Total, Construction	520,759	690,000	690,000		
Total, Waste treatment and immobilization plant	520,759	690,000	690,000		
Tank farm activities					
Rad liquid tank waste stabilization					
and disposition	327,109	273,656	272,972	-684	-0.2%
River protection community and					
regulatory support	466	471	471		
Total, Tank farm activities		274,127	273,443	-684	-0.2%
Total, Office of River protection		964,127	963,443	-684	-0.1%

	FY 2006	FY 2007	FY 2008	FY 2008 vs	s. FY 2007
	Current	Congressional			
L	Approp.	Request	Request	\$	%
Idaho National Laboratory: SNF stabilization and disposition/storage	12,540				
Nuclear material stabilization and disposition	•	1,000	2.250	11.250	1125.00/
•	1,540	1,000	2,250	+1,250 +10,773	+125.0%
SNF stabilization and disposition - 2012	18,967	18,415	29,188	,	+58.5%
Solid waste stabilization and disposition Radioactive liquid tank waste stabilization	138,620	193,910	168,623	-25,287	-13.0%
and disposition	01 276	73,514	61,616	-11,898	-16.2%
Construction	91,276	73,314	01,010	-11,090	-10.276
06-D-401 Sodium bearing waste treatment	30,729	31,000	112,800	+81,800	+263.9%
project, Idaho	30,729	31,000	112,000	+61,600	+203.9%
04-D-414 Sodium bearing waste treatment					
facility, PED Idaho	41,108				
Total, Construction	•	31,000	112,800	+81,800	+263.9%
,	,	,	,	•	
Soil and water remediation - 2012	159,880	120,510	112,389	-8,121	-6.7%
Nuclear facility D & D	4,976	67,562	13,373	-54,189	-80.2%
Non-nuclear facility D & D	29,715	3,010		-3,010	-100.0%
Idaho community and regulatory support	3,511	3,683	3,787	+104	+2.8%
Total, Idaho National Laboratory	532,862	512,604	504,026	-8,578	-1.7%
NNSA sites					
Lawrence Livermore National Laboratory	29,283	11,580	8,680	-2,900	-25.0%
NNSA Service Center	8,221	26,122	29,096	+2,974	+11.4%
Nevada	84,177	79,668	81,106	+1,438	+1.8%
Kansas City Plant	4,481				
California site support	545	370	370		
Pantex	19,458	23,726	12,411	-11,315	-47.7%
Sandia National Laboratories	9,672				
Nevada off-sites	2,818				
Los Alamos National Laboratory	140,792	90,602	139,467	+48,865	+53.9%
Total, NNSA sites and Nevada off-sites	299,447	232,068	271,130	+39,062	+16.8%
Oak Ridge Reservation:	00				
Solid waste stabilization and completion - 2006	60				
Soil and water remediation - Melton Valley	62,438	40.000	70.005		47.00/
Solid waste stabilization and disposition - 2012	93,247	48,888	72,285	+23,397	+47.9%
Soil and water remediation - offsites	6,724	15,381	6,379	-9,002	-58.5%
Nuclear facility D & D, E. Tennessee	4.000	40.004	0.050	0.744	00.00/
technology park		10,094	3,353	-6,741	-66.8%
Nuclear facility D & D Y-12	21,887	40,000	19,855	-20,145	-50.4%
Nuclear facility D & D ORNL	23,943	21,956	51,446	+29,490	+134.3%
Solid waste stabilization and disposition	40.005	40 = 44		10 = 11	100.00/
Science current generation	19,025	18,544		-18,544	-100.0%
Solid waste stabilization and disposition	= 0.10	4.000	= 000	207	40.00/
OR reservation community and regulatory support	5,613	4,999	5,966	+967	+19.3%
Building 3019			20,000	+20,000	N/A
Total, Oak Ridge Reservation	254,790	159,862	179,284	+19,422	+12.1%
Savannah River sites:					
2012 completion projects		2.664		2.664	100.00/
Nuclear facility D&D	222 502	3,664		-3,664	-100.0%
Nuclear material stabilization and disposition	232,509	208,233		-208,233	-100.0%
Construction:					
04-D-423 Container surveillance capability		04.000	04.000	. 0. 700	. 45 501
in 105K		21,300	31,000	+9,700	+45.5%

Γ	FY 2006	FY 2007	FY 2008	FY 2008 vs	. FY 2007
	Current	Congressional	Congressional		
04-D-414 Container surveillance capability	Approp.	Request	Request	\$	%
in 235F Project engineering and design	18,415	2,935		-2,935	-100.0%
Total, construction	18,415	24,235	31,000	+6,765	+27.9%
Total, 2012 completion projects	250,924	236,132	31,000	-205,132	-86.9%
2035 completion projects					
SNF stabilization, disposition/storage	13,751				
SR community and regulatory support	12,916	12,542	12,500	-42	-0.3%
Nuclear material stabilization and disposition	88,257	41,160	311,811	+270,651	+657.6%
Spent nuclear fuel stabilization and					
disposition	7,561	22,668	31,133	+8,465	+37.3%
Solid waste stabilization and disposition	159,367	85,276	61,528	-23,748	-27.8%
Soil and water remediation	82,325	103,150	75,191	-27,959	-27.1%
Nuclear facility D & D	122,499	12,542	2,908	-9,634	-76.8%
Construction:					
08-D-414 Project engineering and design			15.000	.15 000	NI/A
Plutonium Vitrification Facility, VL			15,000 15,000	+15,000 +15,000	N/A N/A
Total, construction	486,676	277,338	510,071	+232,733	+83.9%
Total, 2000 completion projects	400,070	211,336	310,071	+232,733	+03.9%
Tank farm activities Radioactive liquid tank waste stabilization					
and disposition	495,983	507 724	524.019	+16,294	+3.2%
Construction:	495,965	507,724	524,018	+10,294	+3.2%
05-D-405 Salt waste processing facility,					
Savannah River	495	25,700	131,000	+105,300	+409.7%
04-D-408 Glass waste storage building #2,					
Savannah River	1,905				
03-D-414 Salt waste processing facility					
PED, Savannah River	34,990	37,500	10,001	-27,499	-73.3%
Total, Construction	37,390	63,200	141,001	+77,801	+123.1%
Total, Tank farm activities	533,373	570,924	665,019	+94,095	+16.5%
Total, Savannah River site	1,270,973	1,084,394	1,206,090	+121,696	+11.2%
Waste Isolation Pilot Plant					
Waste isolation pilot plant	116,773	132,026	133,018	+992	+0.8%
Central characterization project	38,118	23,190	32,898	+9,708	+41.9%
Transportation	37,256	32,940	27,134	-5,806	-17.6%
Community and regulatory support	36,184	25,122	26,689	+1,567	+6.2%
Total, Waste Isolation Pilot Plant	228,331	213,278	219,739	+6,461	+3.0%
Program direction	241,386	291,216	309,760	+18,544	+6.4%
Program support	32,519	37,881	33,146	-4,735	-12.5%
Safeguards and Security:					
Waste Isolation Pilot Project	4,181	4,324	4,927	+603	+13.9%
Oak Ridge Reservation	28,567	22,889	18,490	-4,399	-19.2%
Fernald	1,377	1,216		-1,216	-100.0%
West Valley	1,782	1,600	1,600		
Paducah	10,904	8,707		-8,707	-100.0%
Portsmouth	17,664	15,642	11,667	-3,975	-25.4%
Richland/Hanford Site	81,335	77,836	87,297	+9,461	+12.2%

_	EV 2000	EV 2007	EV 2000		
	FY 2006	FY 2007	FY 2008	FY 2008 vs.	FY 2007
	Current	Congressional Request	Congressional Request	\$	%
Savannah River Site	Approp. 135,379	163,626	149,400	-14,226	-8.7%
Total, Safeguards and Security	281,189	295,840	273,381	-22,459	-7.6%
Technology development	29,047	21,389	21,389	-22,433	-7.076
Uranium enrichment D&D fund contribution	446,490	452,000	463,000	+11,000	+2.4%
_	6,316,047	5,390,312	5,363,905	-26,407	-0.5%
Subtotal, Defense environmental cleanup	-166,318	5,390,312	5,365,965	-20,407	-0.5%
Use of prior year balancesSalt waste processing facility FY 2005	-100,316				
	-20,000				
uncosted balance Total, Defense Environmental Cleanup	6,129,729	5,390,312	5,363,905	-26,407	-0.5%
Total, Deterise Livironmental Gleanup	0,129,729	3,330,312	3,303,303	-20,407	-0.5 /0
Other Defense Activities					
Health, safety and security					
Health, safety and security			329,305	+329,305	N/A
Program direction			100,043	+100,043	N/A
Total, Health, safety and security			429,348	+429,348	N/A
Office of security and safety performance assurance					
Nuclear safeguards and security	185,009	182,548		-182,548	-100.0%
Security investigations	46,258	40,000		-40,000	-100.0%
Program direction	72,757	75,949		-75,949	-100.0%
Total, Security and safety performance assurance	304,024	298,497		-298,497	-100.0%
Environment, safety & health					
Environment, safety and health (defense)	56,908	60,738		-60,738	-100.0%
Program direction	19,351	20,076		-20,076	-100.0%
Total, Environment, safety and health	76,259	80,814		-80,814	-100.0%
Office of Legacy Management					
Legacy management	31,848	156,790	148,063	-8,727	-5.6%
Program direction	13,518	11,061	11,000	-61	-0.6%
Total, Office of Legacy Management	45,366	167,851	159,063	-8,788	-5.2%
Nuclear energy					
Infrastructure					
Idaho facilities management					
INL infrastructure O&M	17,584				
Idaho sitewide safeguards and security	74,288	75,949	75,949		
Total, Infrastructure	91,872	75,949	75,949		
Program direction	30,792				
Total, Nuclear energy	122,664	75,949	75,949		
Defense related administrative support	86,699	93,258	99,000	+5,742	+6.2%
Office of hearings and appeals	4,310	4,422	4,607	+185	+4.2%
Subtotal, Other defense activities	639,322	720,791	767,967	+47,176	+6.5%
Adjustments:					
Use of prior year balances	-741		-990	-990	N/A
Less security charge for reimbursable work (NE)	-3,003	-3,003	-3,003		
Total, Adjustments	-3,744	-3,003	-3,993	-990	-33.0%
Total, Other Defense Activities	635,578	717,788	763,974	+46,186	+6.4%

Γ	FY 2006	FY 2007	FY 2008	EV 0000	FV 0007
	Current	Congressional	Congressional	FY 2008 vs	s. FY 2007
	Approp.	Request	Request	\$	%
Defense Nuclear Waste Disposal				· ·	
Defense nuclear waste disposal	346,500	388,080	292,046	-96,034	-24.7%
•	·	·	·	·	
Cerro Grande Fire Activities					
Cerro Grande Fire Activities	9,245				
Use of Prior Year Balances	-8,503				
Total, Cerro Grande Fire Activities	742				
Power Marketing Administrations					
Southeastern Power Administration					
Purchase power and wheeling	47,198	48,003	62,215	+14,212	+29.6%
Program direction	5,544	5,723	6,463	+740	+12.9%
Subtotal, Southeastern Power Administration	52,742	53,726	68,678	+14,952	+27.8%
Less alternative financing (for PPW)	-14,485	-13,611	-13,802	-191	-1.4%
Offsetting collections	-32,713	-34,392	-48,413	-14,021	-40.8%
Total, Southeastern Power Administration	5,544	5,723	6,463	+740	+12.9%
,	-,-	-, -	,		
Southwestern Power Administration					
Operation and maintenance	6,972	7,145	11,978	+4,833	+67.6%
Purchase power and wheeling	12,400	13,600	45,000	+31,400	+230.9%
Program direction	19,758	20,782	22,214	+1,432	+6.9%
Construction	3,134	3,612	4,300	+688	+19.0%
Subtotal, Southwestern Power Administration	42,264	45,139	83,492	+38,353	+85.0%
Less alternative financing (for program direction)			-877	-877	N/A
Less alternative financing (for O&M)			-6,304	-6,304	N/A
Less alternative financing (for PPW)	-9,400	-10,600	-10,000	+600	+5.7%
Less alternative financing (Const)			-869	-869	N/A
Offsetting collections	-3,000	-3.000	-35,000	-32,000	-1,066.7%
Total, Southwestern Power Administration	29,864	31,539	30,442	-1,097	-3.5%
Western Area Power Administration					
Construction and rehabilitation	53.957	60,205	62.915	+2,710	+4.5%
Operation and maintenance	47,295	45,734	53,271	+7,537	+16.5%
Purchase power and wheeling	321,397	427,931	425,254	-2,677	-0.6%
i dichase power and wheeling	321,337	427,931	423,234	-2,011	-0.070
Utah mitigation and conservation	6,633	6,893	7,167	+274	+4.0%
Program direction	143,667	147,748	157,304	+9,556	+6.5%
Subtotal, Western Area Power Administration	572,949	688,511	705,911	+17,400	+2.5%
Less alternative financing (for O & M)	-461	-1,091	-11,971	-10,880	-997.3%
Less alternative financing (for Construction)	-540	-33,928	-47,915	-13,987	-41.2%
Less alternative financing (for Program Direction)	-14,737	-9,643	-15,804	-6,161	-63.9%
Less alternative financing (for PPW)	-42,397	-153,079	-166,552	-13,473	-8.8%
Offsetting collections (P.L. 108-477/109-103)	-279,000	-274,852	-258,702	+16,150	+5.9%
Offsetting collections (P.L. 98-381)	-4,162	-3,705	-3,937	-232	-6.3%
Total, Western Area Power Administration	231,652	212,213	201,030	-11,183	-5.3%
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Γ	FY 2006	FY 2007	FY 2008	FY 2008 vs	. FY 2007
	Current	Congressional	J	Φ.	0/
	Approp.	Request	Request	\$	%
Falcon and Amistad Operating and Maintenance Fund Operation and maintenance	2,665	2,500	2,500		
Colorado River Basins Power Marketing Fund Spending authority from offsetting collections					
Equipment, contracts and other related expenses	152,245	180.347	190.444	+10.097	+5.6%
Program direction	40,036	40,734	41,701	+10,097	+2.4%
Total, Spending authority from offsetting	40,030	40,734	41,701	+907	+2.4 70
collections	192,281	221,081	232,145	+11,064	+5.0%
Offsetting collections	-192,281	-244,081	-255,145	-11,064	-4.5%
Total, Colorado River Basins		-23,000	-23,000		
Total, Power Marketing Administrations	269,725	228,975	217,435	-11,540	-5.0%
Federal Energy Regulatory Commission Federal energy regulatory commission FERC revenues Total, Federal Energy Regulatory Commission	220,400 -220,400	230,800 -230,800	255,425 -255,425 ——	+24,625 -24,625	+10.7% -10.7%
Uranium Enrichment D&D Fund Discretionary Payments Transfer payment from Defense ER&WM	-446,490	-452,000	-463,000	-11,000	-2.4%
Fees And Recoveries, Federal Energy Regulatory Commission Fees & recoveries in excess of annual appropriations	-50,015	-19,221	-17,462	+1,759	+9.2%