	FY 2009	FY 2009	FY 2010	FY 2011	FY 2011 vs.	FY 2010
	Current Approp.	Current Recovery	Current Approp.	Congressional Request	\$	%
Discretionary Summary By Appropriation	Δρριομ.	1.600v61y	ημου.	Nequest	Ψ	/0
Energy And Water Development, And Related Agencies						
Appropriation Summary:						
Energy Programs						
Energy efficiency and renewable energy	. 2,156,865	16,771,907	2,242,500	2,355,473	+112,973	+5.0%
Electricity delivery and energy reliability	. 134,629	4,495,712	171,982	185,930	+13,948	+8.1%
Nuclear energy	. 791,444	0	786,637	824,052	+37,415	+4.8%
Fossil energy programs						
Clean coal technology		0	0	0		
Fossil energy research and development		3,398,607	672,383	586,583	-85,800	-12.89
Naval petroleum and oil shale reserves		0	23,627	23,614	-13	-0.19
Strategic petroleum reserve		0	243,823	138,861	-104,962	-43.09
Strategic petroleum account	·	0	0	0		
Northeast home heating oil reserve		0	11,300	11,300		
Total, Fossil energy programs	. 1,097,003	3,398,607	951,133	760,358	-190,775	-20.19
Uranium enrichment D&D fund	,	390,000	573,850	730,498	+156,648	+27.39
Energy information administration		0	110,595	128,833	+18,238	+16.5
Non-Defense environmental cleanup	. 261,819	483,000	254,673	225,163	-29,510	-11.6
Science	. 4,813,470	1,632,918	4,903,710	5,121,437	+217,727	+4.4
Energy transformation acceleration fund	. 8,700	388,856	0	299,966	+299,966	N
Nuclear waste disposal	145,390	0	98,400	0	-98,400	-100.0
Departmental administration	. 155,326	42,000	168,944	169,132	+188	+0.1
Inspector general	. 51,927	15,000	51,927	42,850	-9,077	-17.5
Title 17 - Innovative technology loan guarantee program	. 0	0	0	500,000	+500,000	N
Section 1705 temporary loan guarantee program	. 0	3,960,000	0	0		
Advanced technology vehicles manufacturing loan	7,510,000	10,000	20,000	9,998	-10,002	-50.0
Total, Energy Programs Atomic Energy Defense Activities	17,772,671	31,588,000	10,334,351	11,353,690	+1,019,339	+9.9
National nuclear security administration:						
Weapons activities	6,410,000	0	6,384,431	7,008,835	+624,404	+9.8
Defense nuclear nonproliferation		0	2,136,709	2,687,167	+550,458	+25.8
Naval reactors		0	945,133	1,070,486	+125,353	+13.3
Office of the administrator	•	0	410,754	448,267	+37,513	+9.1
Total, National nuclear security administration		0	9,877,027	11,214,755	+1,337,728	+13.5
Environmental and other defense activities:						
Defense environmental cleanup	5,656,345	5,127,000	5,642,331	5,588,039	-54,292	-1.0
Other defense activities	· ·	0	847,468	878,209	+30,741	+3.6
Defense nuclear waste disposal		0	98,400	0	-98,400	-100.0
Total, Environmental & other defense activities		5,127,000	6,588,199	6,466,248	-121,951	-1.9
Total, Atomic Energy Defense Activities		5,127,000	16,465,226	17,681,003	+1,215,777	+7.4
Power marketing administrations:						
Southeastern power administration	7,420	0	7,638	0	-7,638	-100.0
Southwestern power administration	. 28,414	0	44,944	12,699	-32,245	-71.7
Western area power administration		10,000	256,711	105,558	-151,153	-58.9
Falcon & Amistad operating & maintenance fund	. 2,959	0	2,568	220	-2,348	-91.4
Colorado River Basins	23,000	0	-23,000	-23,000		
Total, Power marketing administrations	. 234,139	10,000	288,861	95,477	-193,384	-66.9
Federal energy regulatory commission	0	0	0	0		
Subtotal, Energy And Water Development and Related						
Agencies		36,725,000	27,088,438	29,130,170	+2,041,732	+7.5
Uranium enrichment D&D fund discretionary payments		0	-463,000	-696,700	-233,700	-50.5
Excess fees and recoveries, FERC		0	-28,886	-29,111	-225	-0.89
Total, Discretionary Funding	33,856,453	36,725,000	26,596,552	28,404,359	+1,807,807	+6.89

Current Curr	Γ	FY 2009	FY 2009	FY 2010	FY 2011	FY 2011 vs.	FY 2010
Mandatory Funding Sonnewis prove administration New borrowing authority Southers and prove administration New borrowing authority from districtions 2.748,000 0. 2,748,000 3.776,000 428,000 +11.9% Chemistry from distriction 2.748,000 0. 3,780,000 3.472,000 428,000 418,000 418,000 408,000 418,000		Current	Current	Current	Congressional		
Demonstrilip power administration 418,000 3,250,000 418,000 424,000 46,000 41,4% Spending authority from offsetting colections. 2,748,000 0 2,748,000 3,076,000 4320,000 11,000 3,000 12,000 3,000	Mandatory Funding	Approp.	Recovery	Approp.	Request	\$	%
New borrowing authority	· · · · · · · · · · · · · · · · · · ·						
Spending authority from offsetting collections. 3,180,000 0 2,748,000 3,078,000 +1328,000 -131,000 -3,280,000 -11,000 -3,880,000 -3,180,000 -3,280,000 -14,000 -3,280,000 -14,000 -3,280,000 -15,71%	·	418 000	3 250 000	418 000	424 000	+6 000	+1 4%
Offseting collections		·		•		•	
Total, Demovilie power administration					· · ·	•	
Southwestern power continuing fund.							+157.1%
Southwestern power continuing fund.							
WAPA emergency fund.	·		_				
Payments to states		·	_				
Power marketing administrations Southwestern power administrations Southwestern power administration 17,730 0 0 0 0 0 0 0 0 0			•				
Power marketing administration Sale of electric energy reclamation fund 39,000 0 0 0 0 0 0 0 0 0	Payments to states	3,000	Ü	3,000	3,000		
Southwestern power administration 17,730 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Spectrum relocation activities						
Ultra-deepwater unconv. natural gas & other petro. Ultra-deepwater unconv. natural gas & other petro. 50,000 0 50,000 50,000 — —	Power marketing administrations						
Ultra-deepwater unconv. natural gas & other petro. 50,000 0 50,000 50,000	Southwestern power administration	17,730	0	0	0		
Ultra-deepwater unconv. natural gas & other petro. 50,000 0 50,000 50,000	Ultra-deepwater unconv. natural gas & other petro.						
Receipts Ultra-deepwater unconv. natural gas. 50,000 0 50,000		50,000	0	50,000	50,000		
Total, Ultra-deepwater unconv. natural gas & other		-50,000	0	-50,000	-50,000		
Nuclear waste disposal fund		0	0	0	0		
Nuclear waste disposal fund	Deductions for offsetting receipts						
Proprietary receipts from the public Nuclear waste fund	Intrafund transaction - earnings on investments						
Nuclear waste fund.	Nuclear waste disposal fund	-1,172,711	0	-1,172,711	-1,133,000	+39,711	+3.4%
Nuclear waste fund.	Proprietary receipts from the public						
Bonneville power administration Repayments on misc. recoverable costs	· · · · · · · · · · · · · · · · · · ·	-768,900	0	-768,900	-774,000	-5,100	-0.7%
Repayments on misc, recoverable costs							
Sale of electric energy, reclamation fund. -39,000 0 -39,000 -32,000 +7,000 +17,9% Total, Bonneville power administration -73,000 0 -73,000 -63,000 +10,000 +13,7% Southeastern power administration Sale and transmission of electric energy. -136,942 0 -111,254 -165,019 -53,765 -48.3% Southwestern power administration Sale and transmission of electric energy. -119,832 0 -29,632 -73,487 -43,855 -148.0% Western area power administration Sale of power & other utilities -172,844 0 -58,236 -94,241 -36,005 -61.8% Sale of Power not otherwise classified -18,807 0 -30,000 -30,000 Western area power administration borrowing authority. 0 3,250,000 0 0 Falcon & Amistad -1,600 0 -2,228 -1,098 +1,130 +50,7% Falcon & Amistad -1,600	Bonneville power administration						
Total, Bonneville power administration	, ,	,	0	,	•		
Southeastern power administration Sale and transmission of electric energy		· · · · · · · · · · · · · · · · · · ·				•	
Sale and transmission of electric energy	Total, Bonneville power administration	-73,000	0	-73,000	-63,000	+10,000	+13.7%
Sale and transmission of electric energy	Southeastern power administration						
Southwestern power administration Sale and transmission of electric energy. -119,832 0 -29,632 -73,487 -43,855 -148.0%	•	-136,942	0	-111,254	-165,019	-53,765	-48.3%
Sale and transmission of electric energy. -119,832 0 -29,632 -73,487 -43,855 -148.0% Western area power administration Sale of power & other utilities Reclamation fund. -172,844 0 -58,236 -94,241 -36,005 -61.8% Sale of Power not otherwise classified. -18,807 0 -30,000 -30,000 - - Total, Sale of power & other utilities. -191,651 0 -88,236 -124,241 -36,005 -40.8% Western area power administration borrowing authority. 0 3,250,000 0 0 - - Sale and Transmission of Elect. Falcon dam. -1,600 0 -2,228 -1,098 +1,130 +50.7% Falcon & Amistad O&M fund. -2,959 0 -22,228 -1,098 +1,130 +50.7% Total, Falcon & Amistad. 4-559 0 -24,48 -1,318 +1,130 +46.2% Total, Power marketing administrations. -525,984 3,250,000 -90,684 -125,559 -34,875 -38.5% Total, Power marketing administrations. -525,984 3,2	5,	,		,		,	
Western area power administration Sale of power & other utilities -172,844 0 -58,236 -94,241 -36,005 -61.8% Sale of Power not otherwise classified. -18,807 0 -30,000 -30,000 — — Total, Sale of power & other utilities. -191,651 0 -88,236 -124,241 -36,005 -40.8% Western area power administration borrowing authority. 0 3,250,000 0 0 — — Falcon & Amistad -1,600 0 -2,228 -1,098 +1,130 +50.7% Falcon & Amistad O&M fund. -2,959 0 -220 -220 — Total, Falcon & Amistad. -4,559 0 -2,448 -1,318 +1,130 +46.2% Total, Western area power administration. -196,210 3,250,000 -90,684 -125,559 -34,875 -38.5% Total, Power marketing administrations. -525,984 3,250,000 -304,570 -427,065 -122,495 -40.2% Total, Poprietary receipts from the public. -1,294,884 3,250,000 -304,570 -427,065 -122,495							
Sale of power & other utilities Reclamation fund. -172,844 0 -58,236 -94,241 -36,005 -61.8% Sale of Power not otherwise classified. -18,807 0 -30,000 -30,000 —— —— Total, Sale of power & other utilities. -191,651 0 -88,236 -124,241 -36,005 -40.8% Western area power administration borrowing authority. 0 3,250,000 0 0 —— —— Falcon & Amistad 0 3,250,000 0 0 —— —— Falcon & Amistad O&M fund. -1,600 0 -2,228 -1,098 +1,130 +50.7% Falcon & Amistad O&M fund. -2,959 0 -220 -220 —— — Total, Falcon & Amistad. 4,559 0 -2,448 -1,318 +1,130 +46.2% Total, Western area power administration. -196,210 3,250,000 -90,684 -125,559 -34,875 -38.5% Total, Proprietary receipts from the public. -1,294,884 <td< td=""><td>Sale and transmission of electric energy</td><td>-119,832</td><td>0</td><td>-29,632</td><td>-73,487</td><td>-43,855</td><td>-148.0%</td></td<>	Sale and transmission of electric energy	-119,832	0	-29,632	-73,487	-43,855	-148.0%
Sale of power & other utilities Reclamation fund. -172,844 0 -58,236 -94,241 -36,005 -61.8% Sale of Power not otherwise classified. -18,807 0 -30,000 -30,000 —— —— Total, Sale of power & other utilities. -191,651 0 -88,236 -124,241 -36,005 -40.8% Western area power administration borrowing authority. 0 3,250,000 0 0 —— —— Falcon & Amistad 0 3,250,000 0 0 —— —— Falcon & Amistad O&M fund. -1,600 0 -2,228 -1,098 +1,130 +50.7% Falcon & Amistad O&M fund. -2,959 0 -220 -220 —— — Total, Falcon & Amistad. 4,559 0 -2,448 -1,318 +1,130 +46.2% Total, Western area power administration. -196,210 3,250,000 -90,684 -125,559 -34,875 -38.5% Total, Proprietary receipts from the public. -1,294,884 <td< td=""><td>Western area power administration</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Western area power administration						
Reclamation fund	·						
Sale of Power not otherwise classified -18,807 0 -30,000 -30,000 — — Total, Sale of power & other utilities -191,651 0 -88,236 -124,241 -36,005 -40.8% Western area power administration borrowing authority Balcand Transmission of Elect. Falcon dam 0 3,250,000 0 0 — — Falcon & Amistad -1,600 0 -2,228 -1,098 +1,130 +50.7% Falcon & Amistad O&M fund -2,959 0 -220 -220 — — Total, Falcon & Amistad -4,559 0 -2,448 -1,318 +1,130 +46.2% Total, Western area power administration -196,210 3,250,000 -90,684 -125,559 -34,875 -38,5% Total, Power marketing administrations -525,984 3,250,000 -304,570 -427,065 -122,495 -40.2% Total, Proprietary receipts from the public -1,294,884 3,250,000 -1,073,470 -1,201,065 -127,595 -11.9% Total, Deductio	·	-172,844	0	-58,236	-94,241	-36,005	-61.8%
Western area power administration borrowing authority		·		· ·			
authority	Total, Sale of power & other utilities	-191,651	0	-88,236	-124,241	-36,005	-40.8%
authority							
Falcon & Amistad Sale and Transmission of Elect. Falcon dam. -1,600 0 -2,228 -1,098 +1,130 +50.7% Falcon & Amistad O&M fund. -2,959 0 -220 -220 — — Total, Falcon & Amistad. -4,559 0 -2,448 -1,318 +1,130 +46.2% Total, Western area power administration. -196,210 3,250,000 -90,684 -125,559 -34,875 -38.5% Total, Power marketing administrations. -525,984 3,250,000 -304,570 -427,065 -122,495 -40.2% Total, Proprietary receipts from the public. -1,294,884 3,250,000 -1,073,470 -1,201,065 -127,595 -11.9% Total, Deductions for offsetting receipts. -2,467,595 3,250,000 -2,246,181 -2,334,065 -87,884 -3.9% Total, Mandatory Funding. -2,437,597 6,500,000 -2,256,331 -2,322,215 -65,884 -2.9%	·	•	0.050.000	_	•		
Sale and Transmission of Elect. Falcon dam. -1,600 0 -2,228 -1,098 +1,130 +50.7% Falcon & Amistad O&M fund. -2,959 0 -220 -220 Total, Falcon & Amistad. -4,559 0 -2,448 -1,318 +1,130 +46.2% Total, Western area power administration. -196,210 3,250,000 -90,684 -125,559 -34,875 -38.5% Total, Power marketing administrations. -525,984 3,250,000 -304,570 -427,065 -122,495 -40.2% Total, Proprietary receipts from the public. -1,294,884 3,250,000 -1,073,470 -1,201,065 -127,595 -11.9% Total, Deductions for offsetting receipts. -2,467,595 3,250,000 -2,246,181 -2,334,065 -87,884 -3.9% Total, Mandatory Funding. -2,437,597 6,500,000 -2,256,331 -2,322,215 -65,884 -2.9%	·	U	3,250,000	U	U		
Falcon & Amistad O&M fund. -2,959 0 -220 -220 — — Total, Falcon & Amistad. -4,559 0 -2,448 -1,318 +1,130 +46.2% Total, Western area power administration. -196,210 3,250,000 -90,684 -125,559 -34,875 -38.5% Total, Power marketing administrations. -525,984 3,250,000 -304,570 -427,065 -122,495 -40.2% Total, Proprietary receipts from the public. -1,294,884 3,250,000 -1,073,470 -1,201,065 -127,595 -11.9% Total, Deductions for offsetting receipts. -2,467,595 3,250,000 -2,246,181 -2,334,065 -87,884 -3.9% Total, Mandatory Funding. -2,437,597 6,500,000 -2,256,331 -2,322,215 -65,884 -2.9%		4.000	0	0.000	4.000	.4.420	. 50. 70/
Total, Falcon & Amistad -4,559 0 -2,448 -1,318 +1,130 +46.2% Total, Western area power administration -196,210 3,250,000 -90,684 -125,559 -34,875 -38.5% Total, Power marketing administrations -525,984 3,250,000 -304,570 -427,065 -122,495 -40.2% Total, Proprietary receipts from the public -1,294,884 3,250,000 -1,073,470 -1,201,065 -127,595 -11.9% Total, Deductions for offsetting receipts -2,467,595 3,250,000 -2,246,181 -2,334,065 -87,884 -3.9% Total, Mandatory Funding -2,437,597 6,500,000 -2,256,331 -2,322,215 -65,884 -2.9%		•				+1,130	+50.7%
Total, Western area power administration. -196,210 3,250,000 -90,684 -125,559 -34,875 -38.5% Total, Power marketing administrations. -525,984 3,250,000 -304,570 -427,065 -122,495 -40.2% Total, Proprietary receipts from the public. -1,294,884 3,250,000 -1,073,470 -1,201,065 -127,595 -11.9% Total, Deductions for offsetting receipts. -2,467,595 3,250,000 -2,246,181 -2,334,065 -87,884 -3.9% Total, Mandatory Funding. -2,437,597 6,500,000 -2,256,331 -2,322,215 -65,884 -2.9%		,				±1 130	<u></u>
Total, Power marketing administrations. -525,984 3,250,000 -304,570 -427,065 -122,495 -40.2% Total, Proprietary receipts from the public. -1,294,884 3,250,000 -1,073,470 -1,201,065 -127,595 -11.9% Total, Deductions for offsetting receipts. -2,467,595 3,250,000 -2,246,181 -2,334,065 -87,884 -3.9% Total, Mandatory Funding. -2,437,597 6,500,000 -2,256,331 -2,322,215 -65,884 -2.9%				•		•	
Total, Proprietary receipts from the public. -1,294,884 3,250,000 -1,073,470 -1,201,065 -127,595 -11.9% Total, Deductions for offsetting receipts. -2,467,595 3,250,000 -2,246,181 -2,334,065 -87,884 -3.9% Total, Mandatory Funding. -2,437,597 6,500,000 -2,256,331 -2,322,215 -65,884 -2.9%				· ·		· · · · · · · · · · · · · · · · · · ·	
Total, Deductions for offsetting receipts. -2,467,595 3,250,000 -2,246,181 -2,334,065 -87,884 -3.9% Total, Mandatory Funding. -2,437,597 6,500,000 -2,256,331 -2,322,215 -65,884 -2.9%				· ·		· · · · · · · · · · · · · · · · · · ·	
Total, Mandatory Funding	· · · · · · · · · · · · · · · · · · ·					•	
			· · ·			•	
	Total, Department Of Energy	31,418,856	43,225,000	24,340,221	26,082,144	+1,741,923	+7.2%

	FY 2009 Current	FY 2009 Current	FY 2010 Current	FY 2011 Congressional Request	FY 2011 vs. FY 2010	
	Approp.	Recovery	Approp.		\$	%
Energy Efficiency And Renewable Energy	404.000	40.007	474.000	0	474.000	400.00/
Hydrogen technology Hydrogen and fuel cell technologies		42,967 0	174,000 0	0 137,000	-174,000 +137,000	-100.0% N/A
Biomass and biorefinery systems R&D		777,138	220,000	220,000	+151,000 ——	
Solar energy	·	115,963	247,000	302,398	+55,398	+22.4%
Wind energy	·	106,932	80,000	122,500	+42,500	+53.1%
Geothermal technology	·	393,106	44,000	55,000	+11,000	+25.0%
Water power	·	31,667	50,000	40,488	-9,512	-19.0%
Vehicle technologies	·	109,249	311,365	325,302	+13,937	+4.5%
Building technologies		319,186	222,000	230,698	+8,698	+3.9%
Industrial technologies	·	212,854	96,000	100,000	+4,000	+4.2%
Federal energy management program	•	22,388	32,000	42,272	+10,272	+32.1%
RE-ENERGYSE (Regaining our energy science and engineering edge)	0	0	0	50,000	+50,000	N/A
Facilities and infrastructure National renewable energy laboratory (NREL)						
Operation and maintenance	20.222	•	40.000	40.000	4.000	5 001
Operation and maintenance		0	19,000	18,000	-1,000	-5.3%
F&I laboratory call		104,773	0	0		
National wind test center		9,950	0	0	4.000	
Total, Operation and maintenance	22,000	114,723	19,000	18,000	-1,000	-5.3%
Construction:						
10-EE-01 South table mountain						
ingress/egress and traffic capacity						
upgrades, National renewable						
energy laboratory, Golden, CO	0	44,000	0	0		
09-EE-02 Renewable energy and supporting						
site infrastructure, National renewable						
energy laboratory, Golden, CO	0	19,104	0	0		
· · · · · · · · · · · · · · · · · · ·		,				
08-EE-02 South table mountain site						
infrastructure development, National						
renewable energy laboratory, Golden, CO	13,000	0	0	0		
08-EE-01 Energy systems integration						
facility, National renewable						
energy laboratory, Golden, CO	41,000	0	0	39,500	+39,500	N/A
07 FF 04 Integrated highertransparen						
07-EE-01 Integrated biorefinery research facility, National renewable energy						
laboratory, Golden, CO	0	13,433	0	0		
laboratory, Golden, Go	0	13,433	U	O		
06-EE-01 Research support facility						
project, National renewable energy						
laboratory, Golden, CO	0	67,660	0	0		
Total, Construction		144,197	0	39,500	+39,500	N/A
Total, Facilities and infrastructure	76,000	258,920	19,000	57,500	+38,500	+202.6%
Advanced better amonufacturing	0	1 000 000	0	0		
Advanced battery manufacturing Alternative fueled vehicles pilot grant program		1,990,000 298,500	0	0		
Transportation electrification		398,000	0	0		
Information and communication efficiency		48,647	0	0		
Program direction		80,000	140,000	200,008	+60,008	+42.9%
Program support		21,890	45,000	87,307	+42,307	+94.0%
Month origination 9 interpretation						
Weatherization & intergovernmental Weatherization						
Weatherization Weatherization assistance	246,250	4,875,000	176,700	262,500	+85,800	+48.6%
Training and technical assistance	·	100,000	3,300	262,500 7,500	+4,200	+40.0%
Weatherization and technical assistance	·	100,000	3,300	7,500	+ 4 ,∠UU	T121.3%
Innovations in weatherization		2,500	30,000	30,000		
Energy efficient appliance rebate program		2,500	30,000	0		
Energy efficiency and conservation block	^	300 000	^	0		
grants - Competitive	0	398,000	0	0		

Current Curr		FY 2009	FY 2009	FY 2010	FY 2011	- \	
Energy efficiency and conservation block grants. Stotistics Ties V EIBA. 0 2.786.000 10 0 0 142.995						FY 2011 vs.	FY 2010
grands, Sciente & Title V ESA.	E	Approp.	Recovery	Approp.	Request	\$	%
Total: Chere recognized program grants. Other:	••	0	2 786 000	0	0		
Since energy program grants Since Since	•					+90,000	+42.9%
International conference 5,000	Other:						
Trotal energy production incentive		•	3,084,500	50,000	75,000	+25,000	+50.0%
Renewable snergy production incentive			Ī	•	_		
Total, Other	•	·	· ·	•			
Total (Peatherization & Intergovermental)						+25,000	+41.7%
Adjustments:			11,544,500	270,000	385,000	+115,000	+42.6%
Adjustments Use of prior year balances (EE)	e , , ,			· · · · · · · · · · · · · · · · · · ·			-100.0% +5.0%
Total, Energy Efficiency And Renewable Energy 13,238 0 0 0 0	Cubicital, Energy Entererby and Nenewable Energy	2,170,100	10,771,507	2,242,300	2,000,470	1112,575	10.070
Electricity Delivery & Energy Reliability Electricity For energy delivery systems Electricity & Electricity For energy delivery systems Electricity For energy delivery Electricity For energy delivery Electricity For energy delivery Electricity For energy delivery Electricity Electricit	•	42.220	0	0	0		
Electricity Delivery & Energy Reliability	· · · · · · · · · · · · · · · · · · ·					+112 973	+5.0%
Electricity Delivery & Energy Reliability Research and development High temperature superconductivity R&D. 24,461 0 0 0 0	rotal, Energy Emolency And Renewable Energy	2,100,000	10,111,301	2,242,300	2,000,410	+112,373	+3.070
High temperature superconductivity RAD.	Electricity Delivery & Energy Reliability						
Visualization and controls. 24,461 0 0 0 0	•	23 130	0	0	0		
Energy storage and power electronics.			_	_	_		
Clean energy transmission and reliability. 0 0 38.450 35.000 3.460 9.0% Smart grid research and development. 0 0 0 14.000 40.000 426.000 +185.7% Energy storage. 0 0 14.000 40.000 426.000 +185.7% Cyber security for energy delivery systems. 0 0 0 40.000 30.000 -1.0000 -25.00% Total, Research and development. 83.119 0 124,900 144,293 +19,393 +15.5% Cyper security for energy delivery systems. 0 0 0 0 0 0 0 0 0 Permitting, siting and analysis. 0 0 0 0 0 0 0 0 0			0	0	0		
Smart grid research and development.	· · · · · · · · · · · · · · · · · · ·	·	_	J	•		
Energy storage	- -		Ī	•	•	•	
Cyber securify for energy delivery systems	· ,			·		·	
Total, Research and development 83,119	· · · · · · · · · · · · · · · · · · ·		_	•		·	-25.0%
Permitting, siting and analysis.	, , ,		0	•	·	· · · · · · · · · · · · · · · · · · ·	+15.5%
Intrastructure security & energy restoration. 0	Operations and analysis	11,451	0	0	0		
Program direction	· · · · · · · · · · · · · · · · · · ·		_	•	,		
Congressionally directed projects	• • •		-	•	•		
Smart grid investment program (EISA 1306)		,	_	•		·	
Smart grid regional and energy storage demos. 0 700,000 0 0 0 0 0 0 0 0		·	-	· _			
Interoperability standards and framework				0	0		
Interconnection planning and analysis			•	0	0		
State assistance on electricity policy			•	· ·	_		
Enhancing state and local gov. energy assurance				Ū	_		
Other recovery act. 0 102,512 0 0 — <td></td> <td></td> <td></td> <td>_</td> <td>_</td> <td></td> <td></td>				_	_		
Nuclear Energy Nuclear Energy Reliability Series Program				-	_		
Nuclear Energy Nuclear Energy Enabling Technologies. 0 0 0 99,300 +99,300 N/A Integrated University Program. 5,000 0 5,000 0 -5,000 -100.0% RE-ENERGYSE			_	0	0		
Nuclear Energy Enabling Technologies 0 0 0 99,300 +99,300 N/A Integrated University Program 5,000 0 5,000 0 -5,000 -100.0% RE-ENERGYSE 0 0 0 0 5,000 +5,000 N/A Reactor Concepts RD&D 0 0 0 195,000 +195,000 N/A Generation IV nuclear energy systems 178,649 0 220,137 0 -220,137 -100.0% Nuclear power 2010 177,500 0 105,000 0 -105,000 -100.0% Nuclear hydrogen initiative 7,343 0 0 0	Total, Electricity Delivery & Energy Reliability	134,629	4,495,712	171,982	185,930	+13,948	+8.1%
Nuclear Energy Enabling Technologies 0 0 0 99,300 +99,300 N/A Integrated University Program 5,000 0 5,000 0 -5,000 -100.0% RE-ENERGYSE 0 0 0 0 5,000 +5,000 N/A Reactor Concepts RD&D 0 0 0 195,000 +195,000 N/A Generation IV nuclear energy systems 178,649 0 220,137 0 -220,137 -100.0% Nuclear power 2010 177,500 0 105,000 0 -105,000 -100.0% Nuclear hydrogen initiative 7,343 0 0 0	Nuclear Energy						
Integrated University Program	•	0	0	0	99,300	+99,300	N/A
Reactor Concepts RD&D 0 0 0 195,000 +195,000 N/A Generation IV nuclear energy systems 178,649 0 220,137 0 -220,137 -100.0% Nuclear power 2010 177,500 0 105,000 0 -105,000 -100.0% Nuclear hydrogen initiative 7,343 0 0 0 0 — Advanced fuel cycle initiative 142,652 0 0 0 — — Fuel cycle research and development 0 0 136,000 201,000 +65,000 +47.8% International nuclear energy cooperation 0 0 0 3,000 +3,000 N/A Radiological facilities management Space and defense infrastructure 35,000 0 42,000 47,000 +5,000 +11.9% Research reactor infrastructure 6,146 0 10,000 4,818 -5,182 -51.8% Oakridge nuclear infrastructure 12,500 0 10,000 0 -10,000 -10,000 Los Alamos nuclear infrastructure 12,500 0 10,000 0 <td></td> <td></td> <td>0</td> <td>5,000</td> <td>0</td> <td>-5,000</td> <td>-100.0%</td>			0	5,000	0	-5,000	-100.0%
Generation IV nuclear energy systems. 178,649 0 220,137 0 -220,137 -100.0% Nuclear power 2010			_	_	·	•	N/A
Nuclear power 2010			_	_	· _	·	
Nuclear hydrogen initiative 7,343 0 0 0 — — — Advanced fuel cycle initiative 142,652 0 0 0 0 —			_	•	_	·	
Advanced fuel cycle initiative	·	·	_		_	-105,000	-100.0%
Fuel cycle research and development	, ,	·	_	_	_		
Radiological facilities management 35,000 0 42,000 47,000 +5,000 +11.9% Space and defense infrastructure		·	_	-	•	+65,000	+47.8%
Space and defense infrastructure	· · · · · · · · · · · · · · · · · · ·		0	0	3,000	+3,000	N/A
Research reactor infrastructure							
Oakridge nuclear infrastructure	·	·	_	•	,	•	+11.9%
Los Alamos nuclear infrastructure 12,500 0 10,000 0 -10,000 -100.0% Pu-238 production restart project 0 0 0 15,000 +15,000 N/A		·	_	·	·	·	
Pu-238 production restart project	•	·	•	,		•	
							-100.0% N/A
							-7.2%

	FY 2009 Current	FY 2009 Current	FY 2010 Current	FY 2011 Congressional	FY 2011 vs.	FY 2010
	Approp.	Recovery	Approp.	Request	\$	%
INL facilities management		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1 110 4000	τ [
INL operations and infrastructure	140,000	0	173,000	162,482	-10,518	-6.1%
Total, INL facilities management	140,000	0	173,000	162,482	-10,518	-6.1%
Idaho sitewide safeguards and security	78,811	0	0	0		
Program direction	73,000	0	73,000	91,452	+18,452	+25.3%
Congressional directed projects		0	2,500	0	-2,500	-100.0%
Subtotal, Nuclear Energy	871,955	0	786,637	824,052	+37,415	+4.8%
Adjustments:						
Transfer from state department		0	0	0		
Use of prior year balances (NE)		0	0	0		
Funding from other defense activities		0	0	0		
Total, Adjustments Fotal, Nuclear Energy		0 0	786,637	824,052	+37,415	+4.8%
Clean Coal Technology		-	-	_		
Deferral of unobligated balances, FY 2009		0	0	0		
Transfer to Fossil R&D (CCPI)		0 0	0 0	0 		
Fotal, Clean Coal Technology		U	U	U		
Fossil Energy Research And Development						
Coal Clean coal power initiative	288,174	0	0	0		
Fuels and power systems						
Innovations for existing plants	48,600	0	52,000	65,000	+13,000	+25.09
Advanced integrated gasification						
combined cycle	·	0	63,000	55,000	-8,000	-12.79
Advanced turbines		0	32,000	31,000	-1,000	-3.19
Carbon sequestration	•	0	154,000	143,000	-11,000	-7.19
Carbon capture and storage		1,000,000	0	0		
Geologic sequestration site characterization	0	48,607	0	0		
Geologic sequestration training and research						
grant program	0	20,000	0	0		
Clean coal power initiative round 3		800,000	0	0		_
Carbon capture competitive solicitation		1,520,000	0	0		
Fuels		0	25,000	12,000	-13,000	-52.0°
Fuels cells	•	0	50,000	50,000		
Advanced research		0	28,000	47,850	+19,850	+70.99
Total, Fuels and power systems Total, Coal		3,388,607 3,388,607	404,000 404,000	403,850 403,850	-150 -150	-0.0° -0.0°
	·	_	•			
Natural gas technologies		0	17,833 0	0	-17,833	-100.0
Petroleum - Oil technologies		0	•	•	20,000	100.00
Unconventional fossil energy technologies Program direction		0 10,000	20,000 158,000	0 152,033	-20,000 -5,967	-100.0° -3.8°
Plant and capital equipment	·	10,000	20,000	20,000	-5,967	-3.0
Fossil energy environmental restoration	•	0	10,000	10,000	_ _	
Special recruitment programs		0	700	700		
Cooperative research and development		0	5,000	0	-5,000	-100.0°
Congressionally directed projects		0	36,850	0	-36,850	-100.09
Subtotal, Fossil Energy Research and Development		3,398,607	672,383	586,583	-85,800	-12.89
Use of prior year balances		0	0	0	05.000	40.00
Fotal, Fossil Energy Research And Development	863,104	3,398,607	672,383	586,583	-85,800	-12.8%
Naval Petroleum & Oil Shale Reserves						
Naval Petroleum & Oil Shale Reserves Naval petroleum & oil shale reserves	19,099	0	23,627	23,614	-13	-0.1%

	FY 2009 Current	FY 2009 Current	FY 2010 Current	FY 2011 Congressional	FY 2011 vs.	FY 2010
	Approp.	Recovery	Approp.	Request	\$	%
Strategic Petroleum Reserve	<u> </u>				-	-
SPR - Facilities development						
Storage facilities development		0	199,732	188,906	-10,826	-5.4%
Expansion		0	25,000	0	-25,000	-100.0%
Management for SPR operations		0	19,091	20,955	+1,864	+9.8%
Use of prior year balances		0	0	-71,000	-71,000	N/A
Total, Strategic Petroleum Reserve	226,586	0	243,823	138,861	-104,962	-43.0%
Strategic Petroleum Reserve - Petroleum Account Use of prior year balances	-21,586	0	0	0		
Northeast Home Heating Oil Reserve Northeast home heating oil reserve	9,800	0	11,300	11,300		
3		-	,	,		
Uranium Enrichment Decontamination And						
Decommissioning Fund						
Decontamination and decommissioning	525,503	315,200	573,850	730,498	+156,648	+27.3%
Uranium/thorium reimbursement	•	68,950	0	0		
UE D&D ARRA program direction		1,950	0	0		
UE D&D ARRA unallocated		3,900	0	0		
Total, Uranium Enrichment D&D Fund	535,503	390,000	573,850	730,498	+156,648	+27.3%
Energy Information Administration						
National energy information system	110,595	0	110,595	128,833	+18,238	+16.5%
		-	,	. — 0,000	, , , , , , , , , , , , , , , , , , , ,	
Non-Defense Environmental Cleanup						
Fast flux test reactor facility (WA)	10,755	0	7,652	3,659	-3,993	-52.2%
Gaseous diffusion plants						
Depleted uranium hexafluoride conversion, 02-U-101		0	0	0		
Gaseous diffusion plants Total, Gaseous diffusion plants		0 0	100,885 100,885	99,464 99,464	-1,421 -1,421	-1.4% -1.4%
	- ,		,	, -	,	
Small sites:						
Argonne National Laboratory	0.470	00.500	0	0		
Argonne National Laboratory		98,500	0	0		
Transfer from NNSA		0	10,000	0	10.000	100.0%
Transfer from NNSA		98,500	10,000 10,000	0	-10,000 -10,000	-100.0% -100.0%
Total, Argonne National Laboratory	29,479	96,500	10,000	U	-10,000	-100.0%
Brookhaven National Laboratory	8,433	42,355	15,000	13,861	-1,139	-7.6%
SNF stabilization and disposition - 2012	42.470	0	F 000	4.000	100	2.00/
Idaho National Laboratory Consolidated business center:	13,478	0	5,000	4,900	-100	-2.0%
California Site Support	187	0	262	0	-262	-100.0%
Inhalation Toxicology Laboratory		0	0	0	-202	-100.0 %
Soil and water remediation						
Stanford Linear Accelerator Center	4,883	7,925	7,100	3,526	-3,574	-50.3%
Nuclear facility D&D						
Energy Technology Engineering Center	15,000	54,175	10,500	10,679	+179	+1.7%
Nuclear facility D&D						
Los Alamos National Laboratory	1,905	14,775	0	0		
Soil and water remediation - Moab	•	108,350	39,000	31,000	-8,000	-20.5%
Tuba City, Arizona		0	1 200	0	4.000	400.000
Post closure Administration and Support		70.000	1,200	0	-1,200	-100.0%
Oak Ridge National Laboratory		78,800	58.063	<u>0</u>	10.057	-22.1%
Total, Consolidated business center	•	264,025	58,062	45,205	-12,857	-22.1%
Funding from Science, NNSASubtotal, Small sites	•	0 404,880	88,062	0 63,966	-24,096	-27.4%
West Valley demonstration project	65,500	73,875	58,074	58,074		

	FY 2009 Current	FY 2009 Current	FY 2010 Current	FY 2011 Congressional	FY 2011 vs.	FY 2010
	Approp.	Recovery	Approp.	Request	\$	%
ARRA Non-Defense program direction		2,415	<u>лъргор.</u> 0	0	<u> </u>	
ARRA Non-Defense unallocated		1,830	0	0		
ubtotal, Non-defense environmental cleanup	257,987	483,000	254,673	225,163	-29,510	-11.6%
Use of prior year balances	925	0	0	0		
Congressionally directed projects		0	0	0		
otal, Non-Defense Environmental Cleanup	261,819	483,000	254,673	225,163	-29,510	-11.6%
cience Office of Science						
Advanced scientific computing research	. 358,772	161,795	394,000	426,000	+32,000	+8.1%
Basic energy sciences						
Research	. 1,390,297	390,860	1,482,260	1,683,400	+201,140	+13.6%
Construction						
08-SC-01 Advanced light source (ALS) user support building, LBNL, CA	11,500	14,546	0	0		
08-SC-11 Photon ultrafast laser science and engineering (PULSE) building						
renovation, SLAC, CA07-SC-06 Project engineering and design/Const	. 3,728	0	0	0		
National Synchrotron light source II (NSLS-II) Brookhaven National Laboratory, NY	. 93,273	150,000	139,000	151,600	+12,600	+9.1%
·	. 00,210	100,000	100,000	101,000	112,000	10.170
05-R-320 Linac coherent light source (LCLS), Stanford Linear Accelerator Center (SLAC)	. 36,967	0	15,240	0	-15,240	-100.0%
Total, Construction		164,546	154,240	151,600	-2,640	-1.7%
Total, Basic energy sciences		555,406	1,636,500	1,835,000	+198,500	+12.19
Biological and environmental research						
Biological research	. 412,153	100,793	0	0		
Climate change research	. 173,023	64,860	0	0		
Biological systems science	0	0	318,476	321,947	+3,471	+1.19
Climate and environmental sciences		0	285,706	304,953	+19,247	+6.7%
Total, Biological and environmental research	. 585,176	165,653	604,182	626,900	+22,718	+3.8%
Fusion energy sciences program	394,518	91,023	426,000	380,000	-46,000	-10.8%
High energy physics						
Proton accelerator-based physics		107,990	434,167	439,262	+5,095	+1.29
Electron accelerator-based physics		1,400	27,427	24,707	-2,720	-9.9%
Non-accelerator physics		4,445	99,625	88,539	-11,086	-11.19
Theoretical physics		5,975	66,962	69,524	+2,562	+3.89
Advanced technology R&D	. 175,184	112,580	182,302	189,968	+7,666	+4.2%
Construction:						
11-SC-40 Project engineering and design (PED) Long baseline neutrino experiment, FNAL	. 0	0	0	12,000	+12,000	N/A
11-SC-41 Project engineering and design (PED)						
Muon to electron conversion experiment, FNAL	0	0	0	5,000	+5,000	N/A
Total, Construction	. 0	0	0	17,000	+17,000	N/A
Total, High energy physics	. 775,868	232,390	810,483	829,000	+18,517	+2.3%
Nuclear physics	400.040	00.000	E4E 000	500.000	.44.000	. 0. 40
Operation and maintenance	469,246	89,800	515,000	526,000	+11,000	+2.1%
Construction: 07-SC-02 Electron beam ion source						
Brookhaven National Laboratory, NY	. 2,438	0	0	0		
06-SC-01 Project engineering and design (PED)/Construction, 12 GeV continuous						
electron beam accelerator facility upgrade,						
Thomas Jefferson National						
Accelerator Facility Newport News, VA		65,000	20,000	36,000	+16,000	+80.0%
Total, Construction		65,000	20,000	36,000	+16,000	+80.0%
		154,800	535,000	562,000	+27,000	+5.0%
Total, Nuclear physics	. 500,307	104,000	200,000	002,000	127,000	10.07

Science laboratories Infrastructure Infrastructure support 1,386		FY 2009 Current	FY 2009 Current	FY 2010 Current	FY 2011 Congressional	FY 2011 vs.	FY 2010
Infrastructure support Payment in Isou Clauses		Approp.	Recovery	Approp.	Request	\$	%
Payment in lisu of taxes							
Excess facilities disposition.	·						
Care Ridge Inclined		·		1,385	1,385		
General plant projects. 0 89,572 0 0	Excess facilities disposition	24,844	14,301	0	0		
Total, Infrastructure support	Oak Ridge landlord	5,079	0	5,214	5,260	+46	+0.9%
Totals (Infrastructure support	General plant projects	0	89,572	0	0		
11-SC-71 Utility infrastructure modernization at TJNAF			103,873	6,599	6,645	+46	+0.7%
11-SC-71 Utility infrastructure modernization at TJNAF							
11-SC-71 Utility infrastructure modernization at TJNAF		•			===.		
10-SC-70 Research support building and infrastructure modernization, SLAC.	11-SC-70 Utilities upgrade, FNAL	0	0	0	7,524	+7,524	N/A
10-SC-70 Research support building and infrastructure modernization, SLAC.	11-SC-71 Litility infrastructure						
Infrastructure modernization, SLAC	•	0	0	0	7,828	+7,828	N/A
infrastructure modernization, SLAC. 0 0 0 6,900 33,100 +26,200 +10,500 10,500 11,5000 +70,000 11,5000 +70,000 11,5000 +70,000 11,5000 +70,000 11,5000 +70,000 11,5000 +70,000 11,5000 +70,000 11,5000 +70,000 +70,000 11,5000 +70,000 +70,000 +70,000 +70,000 11,5000 +70,000							
10-SC-71 Energy sciences building, ANL 0 0 0 8,000 15,000 +7,000 -10-SC-72 Renovate science laboratories. Phase II, BNL 0 0 5,000 15,000 +10,000 +. 00-SC-72 Seismic III-safety, modernization and replacement of general purpose buildings Phase 2, LBNL 12,495 15,000 34,027 20,103 -13,924 10-SC-73, Interdisciplinary science building Phase 1, BNL 8240 18,673 39,387 0 39,387 - 03-SC-74, Technology and engineering development facility, TJNAF 3,700 0 27,687 20,800 -6,887 10-SC-74, Technology and engineering development facility, TJNAF 5,700 0 0 27,687 20,800 -6,887 10-SC-74 Technology and engineering development facility, TJNAF 5,700 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10-SC-70 Research support building and						
10-SC-72 Renovate science laboratories, Phase II, BNL	infrastructure modernization, SLAC	0	0	6,900	33,100	+26,200	+379.7%
10-SC-72 Renovate science laboratories, Phase II, BNL			_				
Phase II, BNL	10-SC-71 Energy sciences building, ANL	0	0	8,000	15,000	+7,000	+87.5%
Phase II, BNL	10-SC-72 Renovate science laboratories						
09-SC-72 Seismic life-safety, modernization and replacement of general purpose buildings Phase 2, LBNL	· ·	0	0	5.000	15,000	+10,000	+200.0%
## Phase 2, LBNL 12,495 15,000 34,027 20,103 -13,924 ## O9-SC-73, Interdisciplinary science building Phase 1, BNL 8,240 18,673 39,387 0 -39,387 - 0 ## O9-SC-74, Technology and engineering development facility, TJNAF 3,700 0 27,687 20,800 -6,887 ## O9-SC-74, Technology and engineering development facility, TJNAF 3,700 0 27,687 20,800 -6,887 ## O9-SC-74 Mediomic and engineering development facility, TJNAF 3,700 0 27,687 20,800 -6,887 ## O9-SC-71 Modernization of laboratory facilities, ORNL 25,103 60,568 0 0 0 — ## O7-SC-05 Physical sciences facility, PNNL 52,775 0 0 0 0 — ## MEL-001 Multiprogram energy laboratory infrastructure projects, various locations 11,759 0 0 0 — ## MEL-001 Multiprogram energy laboratory infrastructure projects, various locations 114,072 94,241 121,001 119,355 -1,646 ## Total, Science laboratories infrastructure 145,380 198,114 127,600 126,000 -1,600 ## Safeguards and security 80,603 0 83,000 86,500 +3,500 ## Safeguards and security 80,603 0 83,000 86,500 +3,500 ## Safeguards and security 80,603 0 83,000 86,500 +3,500 ## Safeguards and security 80,603 0 83,600 44,70 ## Field offices 194,004 194,004 194,004 194,004 194,004 194,004 ## Safeguards 194,004 194,004 194,		-	-	,,===	,	,	
Phase 2, LBNL							
09-SC-73, Interdisciplinary science building Phase 1, BNL	· · · · · · · · · · · · · · · · · · ·						
Phase 1, BNL	Phase 2, LBNL	12,495	15,000	34,027	20,103	-13,924	-40.9%
Phase 1, BNL	20.00 = 1						
09-SC-74, Technology and engineering development facility, TJINAF	· · ·						
development facility, TJNAF. 3,700 0 27,687 20,800 -6,887	Phase 1, BNL	8,240	18,673	39,387	0	-39,387	-100.0%
development facility, TJNAF 3,700 0 27,687 20,800 -6,887	09-SC-74 Technology and engineering						
08-SC-71 Modernization of laboratory facilities, ORNL 25,103 60,568 0 0 — 07-SC-05 Physical sciences facility, PNNL 52,775 0 0 0 — MEL-001 Multiprogram energy laboratory infrastructure projects, various locations 11,759 0 0 0 — Total, Construction. 114,072 94,241 121,001 119,355 -1,646 Total, Science laboratories infrastructure. 145,380 198,114 127,600 126,000 -1,600 Safeguards and security. 80,603 0 83,000 86,500 +3,500 Science program direction 67,788 383 75,261 87,236 +11,975 Field offices. 67,788 383 75,261 87,236 +11,975 Office of Scientific and technical information. 9,153 1,600 8,916 8,963 +47 Field offices. 109,754 3,617 105,200 118,238 +13,038 Total, Science program direction 186,895 5,600 189,377 214,437 +25,	9, 9	3 700	0	27 687	20.800	-6 887	-24.9%
Tacilities, ORNL Section Secti	development raciity, ronar	3,700	U	21,001	20,800	-0,007	-24.970
Facilities, ORNL Section Secti	08-SC-71 Modernization of laboratory						
07-SC-05 Physical sciences facility, PNNL 52,775 0 0 — MEL-001 Multiprogram energy laboratory infrastructure projects, various locations 11,759 0 0 — Total, Construction 114,072 94,241 121,001 119,355 -1,646 Total, Science laboratories infrastructure 145,380 198,114 127,600 126,000 -1,600 Safeguards and security 80,603 0 83,000 86,500 +3,500 Science program direction Headquarters 67,788 383 75,261 87,236 +11,975 Office of Scientific and technical information 9,153 1,600 8,916 8,963 +47 Field offices 19,754 3,617 105,200 118,238 +13,038 Total, Science program direction 186,695 5,600 189,377 214,437 +25,060 Congressionally directed projects. 91,064 0 76,890 0 -76,890 Small business innovation research (SBIR) 154,439 55,637 0 0 —	· · · · · · · · · · · · · · · · · · ·	25.103	60.568	0	0		
MEL-001 Multiprogram energy laboratory infrastructure projects, various locations. 11,759 0 0 — Total, Construction. 114,072 94,241 121,001 119,355 -1,646 Total, Science laboratories infrastructure. 145,380 198,114 127,600 126,000 -1,600 Safeguards and security. 80,603 0 83,000 86,500 +3,500 Science program direction 67,788 383 75,261 87,236 +11,975 Office of Scientific and technical information. 9,153 1,600 8,916 8,963 447 Field offices. 109,754 3,617 105,200 118,238 +13,038 Total, Science program direction. 186,695 5,600 189,377 214,437 +25,060 Congressionally directed projects. 91,064 0 76,890 0 -76,890 - Small business innovation research (SBIR). 154,439 55,637 0 0 - - Use of prior year balances. -15,000 0 0 0	,	,	,				
Infrastructure projects, various locations	07-SC-05 Physical sciences facility, PNNL	52,775	0	0	0		
Infrastructure projects, various locations	MEI 00/14 N						
Total, Construction		44.750	0	0	0		
Total, Science laboratories infrastructure. 145,380 198,114 127,600 126,000 -1,600 Safeguards and security. 80,603 0 83,000 86,500 +3,500 Science program direction							
Safeguards and security				,	•	· · · · · · · · · · · · · · · · · · ·	-1.4%
Science program direction Headquarters 67,788 383 75,261 87,236 +11,975 Office of Scientific and technical information 9,153 1,600 8,916 8,963 +47 Field offices 109,754 3,617 105,200 118,238 +13,038 +13,038 Office of Science program direction 186,695 5,600 189,377 214,437 +25,060 Office of Science program direction 91,064 0 76,890 0 -76,890 Office of Science 154,439 55,637 Office of Science 154,437 54,217,727 Office of Science 154,439 55,637 Office of Science 154,437 54,217,727 Office of Science 154,439 55,637 Office of Science 154,439	Total, Science laboratories infrastructure	145,380	198,114	127,600	126,000	-1,600	-1.3%
Science program direction Headquarters 67,788 383 75,261 87,236 +11,975 Office of Scientific and technical information 9,153 1,600 8,916 8,963 +47 Field offices 109,754 3,617 105,200 118,238 +13,038 +13,038 Office of Science program direction 186,695 5,600 189,377 214,437 +25,060 Office of Science program direction 91,064 0 76,890 0 -76,890 Office of Science 154,439 55,637 Office of Science 154,437 54,217,727 Office of Science 154,439 55,637 Office of Science 154,439 55,637 Office of Science 154,437 54,217,727 Office of Science 154,439 55,637 Office of Science 154,439	Safaguards and socurity	80 e03	0	83 000	96 500	13 500	1/1/20/
Headquarters	Jaieguarus ariu security	00,003	U	63,000	00,500	+3,500	+4.2%
Headquarters	Science program direction						
Office of Scientific and technical information	·	67.788	383	75.261	87.236	+11.975	+15.9%
Field offices	·	·		•		·	+0.5%
Total, Science program direction		·		•	,		+12.4%
Congressionally directed projects					· · · · · · · · · · · · · · · · · · ·	•	+13.2%
Small business innovation research (SBIR)		,	-, - -	,	,	· , -	3- /•
Subtotal, Office of Science		· ·	0	76,890	0	-76,890	-100.0%
Adjustments: Use of prior year balances	Small business innovation research (SBIR)			-	-		
Use of prior year balances -15,000 0 0 0 — Total, Office of Science 4,807,170 1,632,918 4,903,710 5,121,437 +217,727 Energy Transformation Acceleration Fund 6,300 0 0 0 — Advanced research projects agency-Energy (ARPA-E) 4,813,470 1,632,918 4,903,710 5,121,437 +217,727		4,822,170	1,632,918	4,903,710	5,121,437	+217,727	+4.4%
Total, Office of Science	Adjustments:						
Energy Transformation Acceleration Fund Advanced research projects agency-Energy (ARPA-E)	Use of prior year balances	-15,000	0	0	0		
Advanced research projects agency-Energy (ARPA-E)	Total, Office of Science	4,807,170	1,632,918	4,903,710	5,121,437	+217,727	+4.4%
Advanced research projects agency-Energy (ARPA-E)	The confirmation Academy 5 - 5 - 1						
tal, Science		0.000	^	^	^		
nergy Transformation Acceleration Fund Advanced research projects agency - Energy ARPA-E projects						.047.707	- 4 401
Advanced research projects agency - Energy ARPA-E projects	tai, Science	4,813,470	1,632,918	4,903,710	5,121,437	+21/,/27	+4.4%
Advanced research projects agency - Energy ARPA-E projects							
Advanced research projects agency - Energy ARPA-E projects	ergy Transformation Acceleration Fund						
ARPA-E projects							
Program direction 8 700 11 300 0 26 566 ±26 566		0	377,556	0	273,400	+273,400	N/A
1 Togram direction 0,700 11,500 0 20,500 ±20,500	Program direction	8,700	11,300	0	26,566	+26,566	N/A
otal, Energy Transformation Acceleration Fund	otal, Energy Transformation Acceleration Fund	8,700	388,856	0	299,966	+299,966	N/A

	EV 2000	EV 2000	EV 2010	I FV 2044 I		
	FY 2009 Current	FY 2009 Current	FY 2010 Current	FY 2011 Congressional	FY 2011 vs. I	FY 2010
	Approp.	Recovery	Approp.	Request	\$	%
Nuclear Waste Disposal	7,661.	1100010.9	, пригорг	rtoquoot	Ψ	7.0
Nuclear waste disposal fund						
Repository program		0	28,400	0	-28,400	-100.0%
Program direction		0	70,000	0	-70,000	-100.0%
Congressionally directed projects Total, Nuclear Waste Disposal		0	98,400	0 0	-98,400	-100.0%
i otal, Nucleal Waste Disposal	143,390	<u> </u>	90,400	<u> </u>	-30,400	-100.0 /8
Departmental Administration						
Administrative operations:						
Salaries and expenses:						
Office of the Secretary						
Program direction	·	4,800	5,864	5,864		
Management Reform		1 200	<u>0</u>	2,000	+2,000	N/A
Total, Office of the Secretary	5,700	4,800	5,864	7,864	+2,000	+34.1%
Chief financial officer	43,257	15,000	62,981	62,731	-250	-0.4%
Management		10,000	78,456	74,783	-3,673	-4.7%
Human Capital Management		2,800	29,537	27,560	-1,977	-6.7%
Chief information officer	53,738	5,700	38,146	36,238	-1,908	-5.0%
Congressional & intergovernmental affairs		_		4.000		
Program direction		0	4,826	4,826	4.000	70.70/
Office of Indian energy policy and programs Total, Congressional & intergovernmental affairs		0	5,500 10,326	1,500 6,326	-4,000 -4,000	-72.7% -38.7%
rotal, Congressional & Intergovernmental alialis	6,200	U	10,326	0,320	-4,000	-30.1 70
Economic impact and diversity		500	3,896	4,033	+137	+3.5%
General counsel		3,200	32,478	36,654	+4,176	+12.9%
Policy and International Affairs		0	19,296	19,296		
Public affairs		42,000	4,500	4,500		-1.9%
Total, Salaries and expenses Program support	200,140	42,000	285,480	279,985	-5,495	-1.9%
Minority economic impact	855	0	2,775	2,304	-471	-17.0%
Policy analysis and systems studies		0	1,159	1,159		
Environmental policy studies		0	528	528		
Climate Change Technology Program (prog. supp.)	2,000	0	9,270	9,270		
Cybersecurity and secure communications		0	33,365	35,872	+2,507	+7.5%
Corporate management information program (CIO)		0	9,403	8,933	-470	-5.0%
Energy information technology services		0	22,149	21,120	-1,029	-4.6%
Total, Administrative approximations		12,000	78,649	79,186	+537	+0.7%
Total, Administrative operations	332,296	42,000	364,129	359,171	-4,958	-1.4%
Cost of work for others		0	47,537	48,537	+1,000	+2.1%
Subtotal, Departmental Administration (gross)	380,833	42,000	411,666	407,708	-3,958	-1.0%
Adjustments:						
Funding from other defense activities		0	-122,982	-118,836	+4,146	+3.4%
Total, Departmental Administration (gross)	272,643	42,000	288,684	288,872	+188	+0.1%
Miscellaneous revenues	117,317	0	-119,740	-119,740		
Total, Departmental Administration (Net)	155,326	42,000	168,944	169,132	+188	+0.1%
Office Of The Inspector General Office of inspector general	51,927	15,000	51,927	42,850	-9,077	-17.5%
Total, Office Of Inspector General		15,000	51,927	42,850	-9,077	-17.5%
		10,000	0.,02.	12,000	0,011	111070
Title 17 - Innovative Technology Loan						
Guarantee Program						
Administrative operations	·	0	26,000	38,000	+12,000	+46.2%
Loan guarantee, offsetting collections		0	-26,000	-38,000	-12,000	-46.2%
Cost of loan guarantees	0	0	0	500,000	+500,000	N/A
Total, Title 17 - Innovative Technology Loan Guarantee	0	0	0	500,000	+500,000	N/A
Loan Guarantee		U	U	500,000	TJUU,UUU	IN/A

]	FY 2009	FY 2009	FY 2010	FY 2011	FY 2011 vs.	FY 2010
	Current Approp.	Current Recovery	Current Approp.	Congressional Request	\$	%
Section 1705 Temporary Loan Guarantee Program	, ιρρίορ.	110001019	, φρισρ.	Noquosi	Ψ	70
Cost of loan guarantees	0	3,935,000	0	0		
Administrative operations	0	25,000	17,000	20,000	+3,000	+17.6%
Administrative operations, offsetting collections	0	0	-17,000	-20,000	-3,000	-17.6%
Total, Section 1705 Temporary Loan Guarantee	0	3,960,000	0	0		
Program	<u> </u>	3,960,000	0	0		
Advanced Technology Vehicles Menufacturing						
Advanced Technology Vehicles Manufacturing Loan Program						
Direct loan subsidy costs	7,500,000	0	0	0		
Administrative expenses	10,000	10,000	20,000	9,998	-10,002	-50.0%
Total, Advanced Technology Vehicles					•	
Manufacturing Loan Program	7,510,000	10,000	20,000	9,998	-10,002	-50.0%
Weapons Activities						
Directed stockpile work						
Life extension programs						
B61 Life extension program	1,854	0	0	0		
W76 Life extension program		0	223,196	249,463	+26,267	+11.8%
Total, Life extension programs	205,043	0	223,196	249,463	+26,267	+11.8%
Stockpile systems	00.004	0	04.050	047 400	1005 400	.044.00/
B61 Stockpile systemsW62 Stockpile systems	90,204 1,500	0	91,956 0	317,136 0	+225,180	+244.9%
W76 Stockpile systems	63,219	0	56,554	64,521	+7,967	+14.1%
W78 Stockpile systems	40,347	0	48,311	85,898	+37,587	+77.8%
W80 Stockpile systems	30,712	0	27,398	34,193	+6,795	+24.8%
B83 Stockpile systems	26,938	0	33,502	39,349	+5,847	+17.5%
W87 Stockpile systems	40,949	0	48,139	62,603	+14,464	+30.0%
W88 Stockpile systems	43,928	0	51,940	45,666	-6,274	-12.1%
Total, Stockpile systems	337,797	0	357,800	649,366	+291,566	+81.5%
Weapons dismantlement and disposition						
Operations and maintenance	122,046	0	96,100	58,025	-38,075	-39.6%
Construction:						
99-D-141 Pit disassembly and conversion facility, SRS	64,883	0	0	0		
Total, Weapons dismantlement and disposition	186,929	0	96,100	58,025	-38,075	-39.6%
Stockpile services	000 000	0	000 007	000 704	. 0. 70.4	- 0. 00/
Production support	308,806	0	300,037	309,761	+9,724	+3.2% +4.1%
Research and development supportR&D certification and safety	35,049 169,403	0 0	37,071 166,523	38,582 209,053	+1,511 +42,530	+4.1% +25.5%
Management, technology, and production	192,072	0	183,223	193,811	+10,588	+5.8%
Plutonium capability	155,053	0	0	0		
Plutonium infrastructure sustainment	·	0	141,909	190,318	+48,409	+34.1%
Total, Stockpile services	860,383	0	828,763	941,525	+112,762	+13.6%
Total, Directed stockpile work	1,590,152	0	1,505,859	1,898,379	+392,520	+26.1%
Campaigns:						
Science campaign						
Advanced certification	19,400	0	19,400	76,972	+57,572	+296.8%
Primary assessment technologies	80,181	0	83,181	85,723	+2,542	+3.1%
Dynamic plutonium experiments	23,022 83,231	0	0 86,617	0 96,984	+10,367	+12.0%
Dynamic materials properties Advanced radiography	28,535	0	28,535	23,594	-4,941	-17.3%
Secondary assessment technologies	76,913	0	77,913	81,949	+4,036	+5.2%
Test readiness	5,408	0	0	0		
Total, Science campaign	316,690	0	295,646	365,222	+69,576	+23.5%
Engineering campaign Enhanced surety	46,111	0	42,000	42,429	+429	+1.0%
•	,	_	, = = =	, -	-	
Woopen systems analysis assessment						
Weapon systems engineering assessment	16 503	0	18 000	13 530	-4 470	-24 8%
technology	16,593 21,100	0	18,000 21,000	13,530 19,786	-4,470 -1,214	-24.8% -5.8%
	16,593 21,100 66,196		18,000 21,000 69,000	13,530 19,786 66,175	-4,470 -1,214 -2,825	

	FY 2009 Current	FY 2009 Current	FY 2010 Current	FY 2011 Congressional	FY 2011 vs.	FY 2010
	Approp.	Recovery	Approp.	Request	\$	%
Inertial confinement fusion ignition and high yield campaign						
Ignition	100,535	0	106,734	109,506	+2,772	+2.6%
NIF diagnostics, cryogenics and experimental						
support	66,201	0	72,252	102,649	+30,397	+42.1%
Pulsed power inertial confinement fusion	8,652	0	5,000	5,000		
Joint program in high energy density						
laboratory plasmas	3,053	0	4,000	4,000		
Facility operations and target production		0	269,929	260,393	-9,536	-3.5%
NIF assembly and installation	55,192	0	0	0		
Total, Inertial confinement fusion and high yield campaign	436,915	0	457,915	481,548	+23,633	+5.2%
Advanced simulation and computing campaign	556,125	0	567,625	615,748	+48,123	+8.5%
	,		·		,	
Readiness Campaign Stockpile readiness	27,869	0	5,746	18,941	+13,195	+229.6%
High explosives and weapon operations		0	4,608	3,000	-1,608	-34.9%
Nonnuclear readiness		0	12,701	21,864	+9,163	+72.1%
Tritium readiness	70,409	0	68,246	50,187	-18,059	-26.5%
Advanced design and production technologies	-	0	8,699	18,100	+9,401	+108.1%
Total, Readiness campaign		0	100,000	112,092	+12,092	+12.1%
Total, Campaigns		0	1,571,186	1,716,530	+145,344	+9.3%
Readiness in technical base and facilities (RTBF)						
Operations of facilities						
Operations of facilities	0	0	0	1,257,991	+1,257,991	N/A
Operations of facilities						
Kansas City Plant	89,871	0	156,056	0	-156,056	-100.0%
Lawrence Livermore National Laboratory	82,605	0	86,670	0	-86,670	-100.0%
Los Alamos National Laboratory	289,169	0	311,776	0	-311,776	-100.0%
Nevada Test Site	92,203	0	79,583	0	-79,583	-100.0%
Pantex	101,230	0	131,602	0	-131,602	-100.0%
Sandia National Laboratory	123,992	0	104,133	0	-104,133	-100.0%
Savannah River Site	92,762	0	128,580	0	-128,580	-100.0%
Y-12 National security complex	•	0	229,774	0	-229,774	-100.0%
Institutional site support	·	0	120,129	0	-120,129	-100.0%
Total, Operations of facilities		0	1,348,303	0	-1,348,303	-100.0%
Total, Operations of facilities		0	1,348,303	1,257,991	-90,312	-6.7%
Program readiness	71,626	0	73,021	69,309	-3,712	-5.1%
Material recycle and recovery	-	0	69,542	70,429	+887	+1.3%
Containers		0	23,392	27,992	+4,600	+19.7%
Storage	•	0	24,708	24,233	-475	-1.9%
Subtotal, Readiness in technical base and		0				
facilities Construction:	1,359,938	0	1,538,966	1,449,954	-89,012	-5.8%
11-D-801 TA-55 Reinvestment project, LANL	0	0	0	20,000	+20,000	N/A
10-D-501 Nuclear facilities risk reduction						
Y-12 National security complex, Oakridge, TN	0	0	12,500	0	-12,500	-100.0%
99-D-141 Pit disassembly and conversion facility, SRS	0	0	30,321	0	-30,321	-100.0%
racinty, ONS	0	U	30,321	O	-30,321	-100.076
09-D-007 LANSCE refurbishment Los Alamos National Laboratory	19,300	0	20,000	0	-20,000	-100.0%
•	-,	-	- 1	-	-,-,-	
09-D-404 Test capabilities revitalization II,		_	.	-	0.000	400
Sandia National Laboratories, Albuquerque, NM	3,104	0	3,200	0	-3,200	-100.0%
08-D-801 High pressure fire loop (HPFL)					_	
Pantex, TX	1,940	0	31,910	0	-31,910	-100.0%

	FY 2009 Current	FY 2009 Current	FY 2010 Current	FY 2011 Congressional	FY 2011 vs.	FY 2010
	Approp.	Recovery	Approp.	Request	\$	%
08-D-802 High explosive pressing facility Pantex Plant, Amarillo, TX	. 27,386	0	0	30,000	+30,000	N/A
08-D-804 TA-55 Reinvestment project						
Los Alamos National Laboratory (LANL)	7,663	0	0	0		
08-D-806 Ion beam laboratory refurbishment						
SNL, Albuquerque, NM	6,100	0	0	0		
07-D-140 Project engineering and design (PED)						
various locations	. 7,223	0	0	5,000	+5,000	N/A
07-D-220 Radioactive liquid waste						
treatment facility upgrade project, LANL	. 14,170	0	0	0		
06-D-140 Project engineering design (PED)						
various locations	. 106,421	0	12,000	4,000	-8,000	-66.7%
06-D-141 Project engineering & design (PED)						
Y-12 National Security Complex, Oakridge, TN	. 0	0	94,000	115,016	+21,016	+22.4%
06-D-402 NTS replace fire stations 1 & 2						
Nevada Test Site, NV	. 9,060	0	1,473	0	-1,473	-100.0%
05-D-402 Beryllium capability (BEC) project						
Y-12 National Security Complex, Oakridge, TN	. 4,865	0	0	0		
04 D 125 Chamietry and matallurary facility						
04-D-125 Chemistry and metallurgy facility replacement project, Los Alamos National						
Laboratory, Los Alamos, NM	. 97,194	0	97,000	225,000	+128,000	+132.0%
04-D-128 TA-18 Criticality experiments						
facility (CEF), Los Alamos National Laboratory						
Nevada Test Site, NV		0	1,500	0	-1,500	-100.0%
Total, Construction Total, Readiness in technical base and facilities		0	303,904 1,842,870	399,016 1,848,970	+95,112 +6,100	+31.3% +0.3%
	,- ,		,- ,	,,	-,	
Secure transportation asset Operations and equipment	. 127,701	0	138,772	149,018	+10,246	+7.4%
Program direction	·	0	96,143	99,027	+2,884	+3.0%
Total, Secure transportation asset		0	234,915	248,045	+13,130	+5.6%
Nuclear counterterrorism incident response	215,278	0	221,936	233,134	+11,198	+5.0%
Facilities and infrastructure recapitalization						
orogram						
Operations and maintenance Construction	. 79,550	0	83,959	94,000	+10,041	+12.0%
08-D-601 Mercury highway						
Nevada Test Site, NV	. 11,349	0	0	0		
08-D-602 Portable water system upgrades						
, , ,	. 26,836	0	0	0		
Y-12 Plant, Oak Ridge, TN	,					
•	,					
97-12 Plant, Oak Ridge, TN	·	0	9,963	0	-9,963	-100.0%
07-D-253 TA 1 heating systems modernization (HSM) Sandia National Laboratory	·	0	9,963	0	-9,963	-100.0%
07-D-253 TA 1 heating systems modernization	15,282	0	9,963	0	-9,963	-100.0%
07-D-253 TA 1 heating systems modernization (HSM) Sandia National Laboratory	15,282				-9,963 ——	-100.0%
07-D-253 TA 1 heating systems modernization (HSM) Sandia National Laboratory	15,282				-9,963 ——	-100.0%
07-D-253 TA 1 heating systems modernization (HSM) Sandia National Laboratory 06-D-601 Electrical distribution system upgrade, Pantex Plant, Amarillo, TX 06-D-603 Steam plant life extension project (SLEP), Y-12, National Security Complex, Oakridge, TN	15,282 3,880 . 10,552	0	0	0		_
07-D-253 TA 1 heating systems modernization (HSM) Sandia National Laboratory	15,282 3,880 . 10,552	0	0	0	-9,963 -9,963	-100.0% -100.0%

	FY 2009 FY 2009 Current Current		FY 2010 Current	FY 2011 Congressional	FY 2011 vs. FY 2010		
	Approp.	Recovery	Approp.	Request	\$	%	
Site stewardship							
Operations and maintenance	0	0	61,288	90,478	+29,190	+47.6%	
Construction 11-D-601 Sanitary effluent reclamation							
facility, LANL	0	0	0	15,000	+15,000	N/A	
Total, Site stewardship	0	0	61,288	105,478	+44,190	+72.1%	
,	-	-	- ,	,	,		
Environmental projects and operations							
Long term stewardship	38,596	0	0	0			
Safeguards and security Defense nuclear security							
Operations and maintenance	689,510	0	720,044	667,954	-52,090	-7.2%	
Construction:	009,510	0	720,044	007,954	-52,090	-1.2/0	
10-D-701 Security improvements project							
Y-12 Plant, Oak Ridge, TN	0	0	49,000	0	-49,000	-100.0%	
08-D-701 Nuclear materials S&S upgrade							
project Los Alamos National Laboratory	44,620	0	0	52,000	+52,000	N/A	
05-D-170 Project engineering and design,	4.070	•	_	2			
various locations		0	10,000	52,000	.2.000	.0.40/	
Total, Construction		0	49,000 769,044	52,000 719,954	+3,000 -49,090	+6.1% -6.4%	
Cyber security		0	122,511	124,345	+1,834	+1.5%	
Total, Safeguards and security	856,494	0	891,555	844,299	-47,256	-5.3%	
Science, technology and engineering capability	30,000	0	0	20,000	+20,000	N/A	
Congressionally directed projects	•	0	3,000	0	-3,000	-100.0%	
Subtotal, Weapons activities	6,410,000	0	6,426,531	7,008,835	+582,304	+9.1%	
Adjustments							
Use of prior year balances		0	-42,100	0	+42,100	+100.0%	
Total, Adjustments Total, Weapons Activities	6, 410,000	0 0	-42,100 6,384,431	7, 008,835	+42,100 + 624,404	+100.0% + 9.8%	
Total, Weapons Activities	0,410,000	U	0,364,431	7,000,033	+024,404	+9.0 /6	
Defense Nuclear Nonproliferation							
Nonproliferation and verification R&D							
Operations and maintenance	337,821	0	317,300	351,568	+34,268	+10.8%	
Construction:							
07-SC-05 Physical Science Facility							
Pacific Northwest National Laboratory	40.400	0	0	0			
Richland, WA		0	217 200	0	+34,268	+10.8%	
Total, Nonproliferation & verification R&D	356,281	0	317,300	351,568			
Nonproliferation and international security	150,000	0	187,202	155,930	-31,272	-16.7%	
International nuclear materials protection	400 500				40.000	0.00/	
and cooperation	460,592	0	572,050	590,118	+18,068	+3.2%	
Elimination of weapons-grade plutonium production	4.44.200	0	24.507	0	24.507	400.00/	
program	141,299	0	24,507	0	-24,507	-100.0%	
Fissile materials disposition							
U.S. surplus fissile materials disposition							
Operations and maintenance							
U.S. plutonium disposition	350	0	90,896	278,940	+188,044	+206.9%	
U.S. uranium disposition	39,274	0	34,691	25,985	-8,706	-25.1%	
Supporting activities		0	1,075	0	-1,075	-100.0%	
Total, Operations and maintenance Construction:	40,774	0	126,662	304,925	+178,263	+140.7%	
99-D-143 Mixed oxide fuel fabrication							
facility, Savannah River, SC	0	0	504,238	475,788	-28,450	-5.6%	
99-D-141-01 Pit disassembly and conversion							
facility, Savannah River, SC	0	0	0	80,000	+80,000	N/A	

г	EV 2000	EV 2000	EV 2040	EV 2044		1
	FY 2009 Current	FY 2009 Current	FY 2010 Current	FY 2011 Congressional	FY 2011 vs	. FY 2010
	Approp.	Recovery	Approp.	Request	\$	%
99-D-141-02 Waste Solidification Building,		, ,				
Savannah River, SC		0	70,000	57,000	-13,000	-18.6%
Total, Construction		0	574,238	612,788	+38,550	+6.7%
Total, U.S. surplus fissile materials disposition	40,774	0	700,900	917,713	+216,813	+30.9%
Russian surplus materials disposition	1,000	0	1,000	113,000	+112,000	+11,200.0%
Total, Fissile materials disposition	41,774	0	701,900	1,030,713	+328,813	+46.8%
Global threat reduction initiative	404,640	0	333,500	558,838	+225,338	+67.6%
Congressionally directed projects		0	250	0	-250	-100.0%
Subtotal, Defense Nuclear Nonproliferation	1,556,489	0	2,136,709	2,687,167	+550,458	+25.8%
Use of prior year balances Total, Defense Nuclear Nonproliferation	· · · · · · · · · · · · · · · · · · ·	0 0	2,136,709	2,687,167	+550,458	+25.8%
· · · · · · · · · · · · · · · · · · ·	1,010,011		_,,.	2,001,101	1000,100	1201070
Naval Reactors						
Naval reactors development Operation and maintenance						
Operation and maintenance Operation and maintenance	771,600	0	877,533	997,886	+120,353	+13.7%
Construction:	771,000	O	077,555	997,000	+120,333	Ŧ13.7 /0
10-D-903, Security upgrades, KAPL	0	0	1,500	400	-1,100	-73.3%
,						00.00/
10-D-904, NRF infrastructure upgrades, Idaho	0	0	700	500	-200	-28.6%
09-D-190, PED, Infrastructure upgrades, KAPL	1,000	0	1,000	0	-1,000	-100.0%
09-D-902, NRF Office Building #2						
ECC Upgrade, Idaho	8,300	0	6,400	4,000	-2,400	-37.5%
08-D-190 Expended Core Facility M-290						
recovering discharge station,						
Naval Reactor Facility, ID	300	0	9,500	25,000	+15,500	+163.2%
07-D-190 Materials research technology	10 100	0	44 700	2.700	0.000	70.00/
complex (MRTC) Total, Construction	12,400 22,000	0	11,700 30,800	2,700 32,600	-9,000 +1,800	-76.9% +5.8%
Total, Construction	22,000	O	30,000	32,000	+1,000	+3.070
Program direction		0	36,800	40,000	+3,200	+8.7%
Total, Naval Reactors	828,054	0	945,133	1,070,486	+125,353	+13.3%
Office Of The Administrator Office of the administrator	415,878	0	418,074	448,267	+30,193	+7.2%
Congressionally directed projects	·	0	13,000	448,207	-13,000	-100.0%
Subtotal, Office of the Administrator	439,190	0	431,074	448,267	+17,193	+4.0%
			- ,-	-, -	,	
Adjustments:						
Use of prior year balances		0	-10,320	0	+10,320	+100.0%
Subtotal, Office of the Administrator	439,190	0	420,754	448,267	+27,513	+6.5%
Transfer of prior year balances (OMB scoring)	0	0	-10,000	0	+10,000	+100.0%
Total, Office Of The Administrator	439,190	0	410,754	448,267	+37,513	+9.1%
Defense Environmental Cleanup						
Closure sites:						
Closure sites administration	13,209	0	8,225	6,375	-1,850	-22.5%
Fernald	2,100	0	0	0		
Miamisburg	· · · · · · · · · · · · · · · · · · ·	19,700	33,243	0	-33,243	-100.0%
Total, Closure sites	45,883	19,700	41,468	6,375	-35,093	-84.6%
Hanford site:						
2012 accelerated completions						
Nuclear facility D&D river corridor closure						
project	238,337	520,080	327,955	0	-327,955	-100.0%
Nuclear material stabilization and	440 400	•	00.700	^	00.700	400.007
disposition PFPSNF stabilization and disposition	113,483 124,671	0	86,700 126,712	0 0	-86,700 -126,712	-100.0% -100.0%
Total, 2012 accelerated completions	476,491	520,080	541,367	0	-126,712 -541,367	-100.0%
10tai, 2012 a000101atou 00111p10ti0110	¬10, 1 31	520,000	J+1,JU <i>1</i>	U	J-1,JU <i>1</i>	100.0 /0

	FY 2009 Current	FY 2009 FY 2009 Current Current Approp. Recovery		FY 2011 Congressional	FY 2011 vs. FY 2010		
			Approp.	Request	\$	%	
2035 accelerated completions	· · · · · · · · · · · · · · · · · · ·	•			•		
Nuclear facility D&D - remainder of Hanford	103,282 19,620	740,120 0	90,313 21,940	0 0	-90,313 -21,940	-100.0% -100.0%	
Soil and water remediation - groundwater vadose zone	175,238	145 700	205,390	0	-205,390	-100.0%	
Solid waste stabilization and disposition	175,236	145,780	205,390	U	-205,390	-100.0%	
200 area	192,345	228,520	131,070	0	-131,070	-100.0%	
Total, 2035 accelerated completions	490,485	1,114,420	448,713	0	-448,713	-100.0%	
Central plateau remediation							
Nuclear material stabilization and			_				
disposition PFP	0	0	0	64,969	+64,969	N/A	
SNF stabilization and dispositionSolid waste stabilization and disposition 2035	0	0	0	94,016 135,026	+94,016 +135,026	N/A N/A	
Solid waste stabilization and disposition 2035	U	U	U	135,026	+135,026	IN/A	
Soil and water remediation - groundwater vadose zone 2035	0	0	0	129,629	+129,629	N/A	
Total, Central plateau remediation	0	0	0	423,640	+423,640	N/A	
River corridor and other cleanup operations							
Nuclear facility D&D - remainder of Hanford 2035	0	0	0	139,641	+139,641	N/A	
Nuclear facility D&D river corridor closure							
project	0	0	0	386,028	+386,028	N/A	
Richland community and regulatory support	0	0	0	19,620	+19,620	N/A	
Total, River corridor & other cleanup operations	0	0	0	545,289	+545,289	N/A	
Total, Hanford site	966,976	1,634,500	990,080	968,929	-21,151	-2.1%	
Idaho National Laboratory:							
SNF stabilization and disposition - 2012	16,000	0	34,268	43,337	+9,069	+26.5%	
Solid waste stabilization and disposition	175,000	130,000	143,500	172,631	+29,131	+20.3%	
Radioactive liquid tank waste stabilization	00.000	0	04.050	444 770	. 10.000	.04.70/	
and dispositionConstruction	69,900	0	91,850	111,773	+19,923	+21.7%	
06-D-401 Sodium bearing waste treatment							
project, Idaho	86,700	0	93,700	6,500	-87,200	-93.1%	
Soil and water remediation - 2012	95,000	120,000	91,500	68,959	-22,541	-24.6%	
Nuclear facility D & D	29,294	217,875	5,450	0	-5,450	-100.0%	
Idaho community and regulatory support		0	3,900	3,900			
Total, Idaho National Laboratory	475,761	467,875	464,168	407,100	-57,068	-12.3%	
ANNO A. Y.							
NNSA sites Miscellaneous programs and agreements							
in principle	0	0	0	0			
Lawrence Livermore National Laboratory	688	0	910	635	-275	-30.2%	
NNSA Service Center/SPRU	19,443	0	17,938	15,547	-2,391	-13.3%	
Nuclear facility D & D							
Separations Process Research Unit	0	51,775	0	0			
Nevada	75,674	0	65,674	66,000	+326	+0.5%	
Soil and water remediation							
Nevada Test Site	0	44,325	0	0			
Operate waste disposal facility-Nevada	0	0	0	0			
Nevada community and regulatory support	0	0	0	0			
California site support	0	0	238	238			
Pantex	1,000	0	0	0		400.000	
Sandia National Laboratories	3,000	0	2,864	106.053	-2,864	-100.0%	
Los Alamos National LaboratoryNuclear facility D & D	222,734	0	196,500	196,953	453	+0.2%	
Los Alamos National Laboratory (Defense)	0	64,200	0	0			
	J	5 .,200	J	ŭ			

	FY 2009 Current	FY 2009 Current	FY 2010 Current	FY 2011 Congressional	FY 2011 vs. FY 2010		
	Approp.	Recovery	Approp.	Request	\$	%	
Soil and water remediation Los Alamos National Laboratory	0	132,800	0	0			
Total, NNSA sites and Nevada off-sites	322,539	293,100	284,124	279,373	-4,751	-1.7%	
Oak Ridge Reservation:							
Building 3019	58,000	0	38,900	50,001	+11,101	+28.5%	
Nuclear facility D & D ORNL	71,125	151,110	44,400	58,101	+13,701	+30.9%	
Nuclear facility D & D Y-12	38,092	327,000	53,500	63,775	+10,275	+19.2%	
Nuclear facility D & D, E. Tennessee	40=		400		4.0	40.007	
technology park	105	0	100	87	-13	-13.0%	
OR reservation community and regulatory support	6,100 1,230	0	6,253 0	6,409 0	+156	+2.5%	
Solid waste stabilization and disposition - 2012	•	80,000	35,615	23,925	-11,690	-32.8%	
Total, Oak Ridge Reservation	262,835	558,110	178,768	202,298	+23,530	+13.2%	
Office of River Protection:	202,000	000,110	,	202,200	. 20,000	. 10.270	
Waste treatment and immobilization plant Construction:							
01-D-416 Waste treatment and							
immobilization plant							
01-D-416 A-D	400.000	•		•			
01-D-16A Low activity waste facility	160,000	0	0	0			
01-D-16B Analytical laboratory01-D-16C Balance of facilities	65,000 75,000	0 0	0	0 0			
01-D-16D High level waste facility	125,000	0	0	0			
01-D-16 A-D	·	0	365,000	370,178	+5,178	+1.4%	
Total, 01-D-416 A-D	425,000	0	365,000	370,178	+5,178	+1.4%	
01-D-16E Pretreatment facility	·	0	325,000	370,000	+45,000	+13.8%	
Total, Construction	690,000	0	690,000	740,178	+50,178	+7.3%	
Total, Waste treatment and immobilization plant	690,000	0	690,000	740,178	+50,178	+7.3%	
Tank farm activities							
Rad liquid tank waste stabilization							
and disposition		326,035	408,000	418,000	+10,000	+2.5%	
Total, Tank farm activities Total, Office of River protection	319,943 1,009,943	326,035	408,000	418,000	+10,000	+2.5% +5.5%	
Total, Office of River protection	1,009,943	326,035	1,098,000	1,158,178	+60,178	+5.5%	
Savannah River sites:							
Nuclear material stabilization and disposition							
Nuclear material stabilization and disposition	361,343	0	385,310	0	-385,310	-100.0%	
Construction:							
08-D-414 Project engineering and design	0	0	0.045	•	0.045	400.00/	
Plutonium Vitrification Facility, VL Total, Nuclear material stabilization and dispos	0 361,343	0	6,315 391,625	0	-6,315 -391,625	-100.0% -100.0%	
· ·	301,343	O	331,023	Ü	-091,020	-100.070	
2035 accelerated completions SR community and regulatory support	19,800	0	18,300	0	-18,300	-100.0%	
	. 0,000	•	. 5,555	· ·	. 0,000	.00.0,0	
Spent nuclear fuel stabilization and disposition	30,662	0	38,768	0	-38,768	-100.0%	
	·		·		,		
Solid waste stabilization and disposition	42,099	689,403	0	0			
Soil and water remediation Nuclear facility D & D	35,513 1,552	287,463 438,534	0	0 0			
Total, 2035 accelerated completions	129,626	1,415,400	57,068	0	-57,068	-100.0%	
Clannin and waste disposition							
Cleanup and waste disposition Savannah River Community and regulatory support	0	0	0	18,330	+18,330	N/A	
, , ,				,	•		
Site risk management operations NM stabilization and disposition	0	0	^	370,042	+370,042	N/A	
SNF stabilization and disposition	0	0	0	23,194	+370,042	N/A N/A	
Dodioostivo liquid taale waste at hill-ati							
Radioactive liquid tank waste stabilization Radioactive liquid tank waste stabilization							
and disposition	0	0	0	549,282	+549,282	N/A	
and disposition	J	J	O	0.10,202	. 5 10,202	14//3	

	FY 2009 FY 2009 Current Current		FY 2010 Current	FY 2011 Congressional	FY 2011 vs. FY 2010	
	Approp.	Recovery	Approp.	Request	\$	%
Construction:						
05-D-405 Salt waste processing facility,	_	-	-	0=0 ==:	.050.05:	
Savannah River		0	0	256,951	+256,951	N/A
Total, Radioactive liquid tank waste	0	0	0	806,233	+806,233	N/A N/A
Total, Site risk management operations	U	U	U	1,199,469	+1,199,469	IN/A
Tank farm activities Radioactive liquid tank waste stabilization						
and disposition	576,250	200,000	527,138	0	-527,138	-100.0%
Construction:						
05-D-405 Salt waste processing facility,	155,524	0	234,118	0	224 110	100.09/
Savannah River Total, Tank farm activities		200,000	761,256	0	-234,118 -761,256	-100.0% -100.0%
Total, Savannah River site	1,222,743	1,615,400	1,209,949	1,217,799	+7,850	+0.6%
	.,===,: :0	.,,,	1,200,010	.,= ,. 00	,000	70.070
Waste Isolation Pilot Plant						
Waste isolation pilot plant	138,389	50,303	154,902	134,999	-19,903	-12.8%
Central characterization project	34,255	108,864	13,730	25,797	+12,067	+87.9%
Transportation		13,208	33,851	30,678	-3,173	-9.4%
Community and regulatory support		172 275	27,854	28,771	+917	+3.3%
Total, Waste Isolation Pilot Plant	231,661	172,375	230,337	220,245	-10,092	-4.4%
Program direction	309,807	25,635	345,000	323,825	-21,175	-6.1%
Program support	33,930	25,035	34,000	25,143	-8,857	-26.1%
- J	33,300	J	2 .,000	_0,110	3,337	_0.170
Safeguards and Security:						
Oak Ridge Reservation	27,020	0	32,400	17,300	-15,100	-46.6%
Paducah	8,196	0	8,190	8,496	+306	+3.7%
Portsmouth	4,500	0	17,509	15,979	-1,530	-8.7%
Richland/Hanford Site	79,765	0	82,771	69,234	-13,537	-16.4%
Savannah River Site	138,736	0	132,064	132,064	444	
Waste Isolation Pilot Project	5,124	0	4,644	4,755	+111	+2.4%
West Valley		0	1,859	1,926	+67	+3.6%
Total, Safeguards and Security Technology development		0	279,437 20,000	249,754 32,320	-29,683 +12,320	+61.6%
Uranium enrichment D&D fund contribution	463,000	0	463,000	496,700	+33,700	+7.3%
ARRA Defense unallocated	,	14,270	403,000	490,700	+33,700	+7.576 ——
Subtotal, Defense environmental cleanup	5,642,634	5,127,000	5,638,331	5,588,039	-50,292	-0.9%
Use of prior year balances	-4,197	0	0	0		
Congressionally directed projects	•	0	4,000	0	-4,000	-100.0%
Total, Defense Environmental Cleanup	5,656,345	5,127,000	5,642,331	5,588,039	-54,292	-1.0%
						_
Other Defenses Authorities						
Other Defense Activities						
Health, safety and security Health, safety and security	346,874	0	337,757	356,471	+18,714	+5.5%
Program direction	•	0	104,125	107,740	+3,615	+3.5%
Total, Health, safety and security	· · · · · · · · · · · · · · · · · · ·	0	441,882	464,211	+22,329	+5.1%
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Office of Legacy Management						
Legacy management		0	177,618	176,122	-1,496	-0.8%
Program direction		0	12,184	12,504	+320	+2.6%
Total, Office of Legacy Management	185,981	0	189,802	188,626	-1,176	-0.6%
Defence valeted activities						
Defense-related activities Infrastructure						
Idaho facilities management						
Idaho sitewide safeguards and security	78,811	0	83,358	88,200	+4,842	+5.8%
.aaa aa aa.aa aa.aa aaa aaaa aaa aa.aa aaa aa.aa aaa aaa aaa aaa aaa aaa aaa aaa aaa	70,011	J	33,000	30,200	. 1,0 12	. 0.0 /0
Nuclear energy						
Mixed oxide fuel fabrication facility						
Operations and maintenance	19,200	0	0	0		
Construction and other project costs:						
99-D-143 Mixed oxide fuel fabrication						
facility, Savannah River, SC		0	0	0		
Total, Mixed oxide fuel fabrication facility		0	0	0		
Total, Nuclear energy	487,008	0	0	0		
Defense related administrative support	108,190	0	122,982	118,836	-4,146	-3.4%
Acquisitions workforce improvement	100,190	0	122,962	11,892	-4,146 +11,892	-3.4% N/A
Office of hearings and appeals	6,603	0	6,444	6,444		
	0,000	J	0,444	0 , 177		

Г	FY 2009 Current	FY 2009 Current	FY 2010 Current	FY 2011 Congressional	FY 2011 vs. FY 2010	
	Approp.	Recovery	Approp.	Request	\$	%
Congressionally directed projects	11 1	,	., ,		•	
Congressionally directed projects (HSS)		0	2,000	0	-2,000	-100.0%
Congressionally directed projects (LM)		0	1,000	0	-1,000	-100.0%
Total, Congressionally directed projects		0	3,000	0	-3,000	-100.0%
Total, Other Defense Activities	1,314,063	0	847,468	878,209	+30,741	+3.6%
Defense Nuclear Waste Disposal						
Defense nuclear waste disposal	143,000	0	98,400	0	-98,400	-100.0%
Power Marketing Administrations						
Southeastern Power Administration	00.500	•	05.000	00.045	. 0. 007	. 4.00/
Purchase power and wheeling	·	0	85,228	88,615	+3,387	+4.0%
Program direction		0	7,638	8,034 96,649	+396 +3,783	+5.2% +4.1%
Subtotal, Southeastern Power Administration	70,942	U	92,866	96,649	+3,763	+4.1%
Less alternative financing (for PPW)		0	-14,422	-14,458	-36	-0.2%
Offsetting collections (for PPW)		0	-70,806	-74,157	-3,351	-4.7%
Offsetting collections (PD)	0	0	-7,638	-8,034	-396	-5.2%
Cost of implementing reclassification	-	•	=	•	7.000	100.00
of receipts Total, Southeastern Power Administration		0	7,638 7,638	0	-7,638 -7,638	-100.0% -100.0%
Southwestern Power Administration	40.005	0	40.775	40.070	00	0.70/
Operation and maintenance Purchase power and wheeling	·	0 0	13,775 48,000	13,676 49,000	-99 +1,000	-0.7% +2.1%
Program direction		0	27,153	28,381	+1,228	+2.1% +4.5%
Construction		0	6,016	8,073	+2,057	+34.2%
Subtotal, Southwestern Power Administration		0	94,944	99,130	+4,186	+4.4%
Less alternative financing	25,772	0	-12,000	-13,818	-1,818	-15.2%
Offsetting collections		0	0	0		
Offsetting collections (for program direction)		0	-26,247	-26,880	-633	-2.4%
Offsetting collections (for O&M)		0	-5,621	-6,733	-1,112	-19.8%
Offsetting collections (for PPW) Cost of implementing reclassification	35,000	0	-38,000	-39,000	-1,000	-2.6%
of receipts	0	0	31,868	0	-31,868	-100.0%
Total, Southwestern Power Administration		0	44,944	12,699	-32,245	-71.7%
Western Area Power Administration						
Construction and rehabilitation	74,544	0	104,971	109,887	+4,916	+4.7%
Operation and maintenance	52,365	0	57,159	57,793	+634	+1.1%
Purchase power and wheeling	600,960	0	548,847	543,622	-5,225	-1.0%
Utah mitigation and conservation		0	7,584	7,627	+43	+0.6%
Program direction		10,000	180,756	193,961	+13,205	+7.3%
Subtotal, Western Area Power Administration	901,634	10,000	899,317	912,890	+13,573	+1.5%
Less alternative financing		0	-288,920	-271,895	+17,025	+5.9%
Offsetting collections (for program direction)		0	-110,492	-149,036	-38,544	-34.9%
Offsetting collections (for O&M)		0	-37,038	-31,270	+5,768	+15.6%
Offsetting collections (P.L. 108-447/109-103)		0 0	-349,807	-350,919 -4 212	-1,112 -333	-0.3% -8.6%
Offsetting collections (P.L. 98-381) Cost of implementing reclassification	3,366	U	-3,879	-4,212	-333	-0.0%
of receipts	0	0	147,530	0	-147,530	-100.0%
Total, Western Area Power Administration		10,000	256,711	105,558	-151,153	-58.9%
Falcon and Amistad Operating and Maintenance Fund						
Operation and maintenance	2,959	0	2,568	3,715	+1,147	+44.7%
Offsetting collections		0	-2,348	-3,495	-1,147	-48.9%
Cost of implementing reclassification			•	•	•	
Cost of implomenting residesineation						
of receipts, non-add	<u>0</u>	0	2,348 2,568	0 220	-2,348	-100.0% -91.4%

	FY 2009 Current	FY 2009 Current	FY 2010 Current	FY 2011 Congressional	FY 2011 vs. FY 2010	
	Approp.	Recovery	Approp.	Request	\$	%
Colorado River Basins Power Marketing Fund Spending authority from offsetting collections						
Equipment, contracts and other related expenses	195,137	0	212,766	174,734	-38,032	-17.9%
Program direction	45,147	0	48,957	52,569	+3,612	+7.4%
Total, Spending authority from offsetting						
collections	240,284	0	261,723	227,303	-34,420	-13.2%
Offsetting collections	-263,284	0	-284,723	-250,303	+34,420	+12.1%
Total, Colorado River Basins	-23,000	0	-23,000	-23,000		
Total, Power Marketing Administrations	234,139	10,000	288,861	95,477	-193,384	-66.9%
Federal Energy Regulatory Commission						
Federal energy regulatory commission	273,400	0	298,000	315,600	+17,600	+5.9%
FERC revenues	•	0	-298,000	-315,600	-17,600	-5.9%
Total, Federal Energy Regulatory Commission	0	0	0	0		
Uranium Enrichment D&D Fund Discretionary Payments						
Domestic utility fees	0	0	0	-200,000	-200,000	N/A
Transfer payment from Defense ER&WM	-463,000	0	-463,000	-496,700	-33,700	-7.3%
Total, Uranium Enrichment D&D Fund	-463,000	0	-463,000	-696,700	-233,700	-50.5%
Fees And Recoveries, Federal Energy Regulatory Commission						
Fees & recoveries in excess of annual appropriations	-23,080	0	-28,886	-29,111	-225	-0.8%