	FY 2018	FY 2019	FY 2020	FY 2020 Request vs	
	Total Enacted	Enacted	Congressional	FY 2019 Er	
	Appro.	Appro.	Request	\$	%
partment of Energy by Organization					
scretionary Summary by Organization					
Inder Secretary for Nuclear Security and					
National Nuclear Security Administration	407.505	440.000	404.000	.04.000	. 0. 00
Federal Salaries and Expenses		410,000	434,699	+24,699	+6.0%
Weapons Activities		11,100,000	12,408,603	+1,308,603	+11.8%
Defense Nuclear Nonproliferation		1,930,000	1,993,302	+63,302	+3.3%
Naval Reactors		1,788,618	1,648,396	-140,222	-7.8%
Total, Under Secretary for Nuclear Security and					
National Nuclear Security Administration		15,228,618	16,485,000	+1,256,382	+8.3%
Under Secretary for Energy					
Energy Programs					
Energy Efficiency and Renewable Energy	2.321.778	2.379.000	343,000	-2,036,000	-85.6%
Electricity Delivery & Energy Reliability		2,575,000	343,000	-2,030,000	-03.07
Office of Electricity Delivery		156,000	182,500	+26,500	+17.0%
Power Marketing Administrations		77,000	78,424	+1,424	+1.8%
	62,000	11,000	70,424	T1,424	T1.07
Office of Cybersecurity, Energy Security		400.000	450 500	.00.500	. 20. 40
and Emergency Response		120,000	156,500	+36,500	+30.4%
Fossil Energy Petroleum Reserves ¹		265,000	215,000	-50,000	-18.9%
Fossil Energy		740,000	562,000	-178,000	-24.1%
Nuclear Energy	1,205,056	1,326,090	824,000	-502,090	-37.9%
Yucca Mountain and Interim Storage			116,000	+116,000	N/A
Energy Policy and Systems Analysis				0	N/A
Office of Indian Energy				0	N/A
Office of Indian Energy Policy and Programs		18,000	8,000	-10,000	-55.6%
Office of Policy		2,510	8,000	+5,490	+218.7%
			,		
Project Management Oversight Assessment		15,005	14,255	-750	-5.0%
Environment, Health, Safety and Security	100.040	000 000	040 500	. 0 070	. 4 00
Mission Support	198,946	202,839	212,509	+9,670	+4.8%
Credit Programs					
ŭ					
Title 17 - Innovative Technology	00.000	40.000	100.050	470.050	4 005 00
Loan Guarantee Program	30,892	13,000	-160,659	-173,659	-1,335.8%
Advanced technology vehicles manufacturing					
loan program		5,000		-5,000	-100.0%
Tribal energy loan guarantee program		1,000	-8,500	-9,500	-950.0%
Total, Credit Programs		19,000	-169,159	-188,159	-990.3%
Other Energy Programs					
• •	252 244	266 000	207.000	653,000	-178.4%
Advanced Research Projects Agency - Energy		366,000	-287,000	-653,000	
Energy Information Administration		125,000	118,000	-7,000	-5.6%
Total, Other Energy Programs		491,000	-169,000	-660,000	-134.4%
otal, Under Secretary for Energy	5,635,272	5,811,444	2,382,029	-3,429,415	-59.0%
Inder Secretary for Science					
Science	6,259,903	6.585.000	5,545,972	-1,039,028	-15.8%
Environmental Management		7,175,129	6,469,093	-706,036	-9.8%
Office of Legacy Management		158,877	303.029	+144,152	+90.7%
Office of Technology Transitions (OTT)		8,505	9,080	+575	+6.8%
otal, Under Secretary for Science		13,927,511	12,327,174	-1,600,337	-11.5%
,,,	,,	, ,	,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Other Department Offices					
Departmental Administration (Direct Reports)					
Chief Information Officer		131,624	124,554	-7,070	-5.4%
Management	54,745	55,385	54,358	-1,027	-1.9%
Chief Human Capital Officer		26,125	24,316	-1,809	-6.9%
Economic Impact and Diversity		10,169	9,494	-675	-6.6%
Office of the Secretary		5,395	5,119	-075 -276	-6.6% -5.1%
Chief Financial Officer		48,912	52,000	+3,088	+6.3%
Congressional and Intergovernmental Affairs		4,200	5,895	+1,695	+40.4%
Public Affairs		6,594	6,260	-334	-5.1%
General Counsel		33,075	33,075	0	N/A
International Affairs		22,878		-22,878	-100.0%
Office of Small and Disadvantaged					
Business Utilization		3,170	3,609	+439	+13.8%
Strategic Partnership Projects and Revenues		-56,000	-53,378	+2,622	+4.7%
Total, Departmental Administration		291,527	265,302	-26,225	-9.0%
Other Defense Activities (Direct Reports)					
Office of Enterprise Assessments	74,931	76,770	81,279	+4,509	+5.9%
Specialized Security Activities		266,378	254,578	-11,800	-4.4%
Hearings and Appeals		3,739	4,852	+1,113	+29.8%
Total, Other Defense Activities		346,887	340,709	-6,178	-1.8%
	,	-,	-, -,	-, -	
Inspector General	49,000	51,330	54,215	+2,885	+5.6%
	· · · ·		•	-	

	FY 2018	FY 2019	FY 2020	FY 2020 Re	
	Total Enacted	Enacted	Congressional	FY 2019 E	nacted
	Appro.	Appro.	Request	\$	%
International Affairs			36,100	+36,100	N/A
Total, Other Department Offices	674,600	689,744	696,326	+6,582	+1.0%
Federal Energy Regulatory Commission	-9,000	-16,000	-16,000	0	N/A
Negative Credit Subsidy Receipt		-107,000	-15,000	+92,000	+86.0%
Sale of Northeast Gasoline Supply Reserve (NGSR)			-75,000	-75,000	N/A
Sale of Northeast Home Heating Oil Reserve			-82,000	-82,000	N/A
Total, Discretionary Funding	34,517,657	35,534,317	31,702,529	-3,831,788	-10.8%

¹ The FY 2020 budget request for \$27M in NGSR does not include a request for direct appropriations; instead the Department is requesting authorization to deposit up to \$27 million in proceeds from the sale of one-million barrels of refined petroleum product (gasoline blendstock) from the Strategic Petroleum Reserve.

Memo:	Total Discre	tionary by	budget function	1

(Defense (050) function, non-add)	(21,630,000)	(22,259,000)	(23,190,648)
(Non-Defense (250/270) function, non-add)	(12,887,657)	(13,275,317)	(8,511,881)
(Science (250) function, non-add)	(6,259,903)	(6,585,000)	(5,545,972)
(Energy (270) function, non-add)	(6,627,754)	(6,690,317)	(2,965,909)

	FY 2018	FY 2019	FY 2020	FY 2020 Request vs	
	Total Enacted Appro.	Enacted Appro.	Congressional Request	FY 2019 Er	nacted %
Under Secretary for Nuclear Security and	Αρρίο.	πρριυ.	ιτογασοι	Ψ	/0
National Nuclear Security Administration					
NNSA Federal Salaries and Expenses Federal Salaries and Expenses					
Program direction	407,595	410,000	434,699	+24,699	+6.0%
Total, NNSA Federal Salaries and Expenses		410,000	434,699	+24,699	+6.0%
Weapons Activities					
Directed stockpile work	4,009,447	4,658,266	5,426,357	+768,091	+16.5%
Research, development, test, and evaluation (RDT&E)					
Science		480,484	586,561	+106,077	+22.1%
Engineering	183,123	190,123	233,954	+43,831	+23.1%
Inertial confinement fusion and high yield	544,934	544,934	480,595	-64,339	-11.8%
Advanced simulation and computing	746,244	717,119	839,849	+122,730	+17.1%
Advanced manufacturing development		81,558	136,908	+55,350	+67.9%
Total, RDT&E	2,034,365	2,014,218	2,277,867	+263,649	+13.1%
Infrastructure and operations	. 3,117,803	3,087,852	3,208,442	+120,590	+3.9%
Secure transportation asset	291,168	278,639	317,162	+38,523	+13.8%
Defense nuclear security		690,638	778,213	+87,575	+12.7%
Information technology and cybersecurity		221,175	309,362 91,200	+88,187 -71.092	+39.9% -43.8%
Legacy contractor pensions	. ,	162,292 11,113,080	12,408,603	+1,295,523	+11.7%
Adjustments					
Adjustments Use of prior year balances		-13,080		+13,080	+100.0%
Total, Adjustments		-13,080		+13,080	+100.0%
Total, Weapons Activities		11,100,000	12,408,603	+1,308,603	+11.8%
Defense Nuclear Nonproliferation					
Defense Nuclear Nonproliferation Programs					
Material management and minimization		293,794	333,533	+39,739	+13.5%
Global material security Nonproliferation and arms control		407,108 129,703	342,350 137,267	-64,758 +7,564	-15.9% +5.8%
Defense Nuclear Nonproliferation R&D		575,570	495,357	-80,213	-13.9%
Nonproliferation construction		220,000	299,000	+79,000	+35.9%
Total, Defense Nuclear Nonproliferation Programs	1,724,909	1,626,175	1,607,507	-18,668	-1.1%
Legacy contractor pensions	40,950	28,640	13,700	-14,940	-52.2%
Nuclear counterterrorism and incident response					
program Nuclear counterterrorism and incident response	282,360	319,185		-319,185	-100.0%
Emergency Operations			35,545	+35,545	N/A
Counterterrorism and counterproliferation			336,550	+336,550	N/A
Total, Nuclear counterterrorism and incident response program	282,360	319,185	372,095	+52,910	+16.6%
Subtotal, Defense Nuclear Nonproliferation		1,974,000	1,993,302	+19,302	+1.0%
Adjustments					
Use of prior year balances		-25,000		+25,000	+100.0%
Total, Adjustments		-25,000		+25,000	+100.0%
Subtotal, Defense Nuclear Nonproliferation	2,048,219	1,949,000	1,993,302	+44,302	+2.3%
Rescission of prior year balances				0	N/A
Rescission of prior year balances (Gen. Prov.)		-19,000		+19,000	+100.0%
Total, Defense Nuclear Nonproliferation	1,999,219	1,930,000	1,993,302	+63,302	+3.3%
Naval Reactors					
Naval reactors development Columbia-Class reactor systems development		514,951 138,000	531,205 75,500	+16,254 -62,500	+3.2% -45.3%
S8G Prototype refueling		250,000	75,500 155,000	-95,000	-45.5% -38.0%
Naval reactors operations and infrastructure		525,764	553,591	+27,827	+5.3%
Program direction	47,651	48,709	50,500	+1,791	+3.7%
Construction		311,194	282,600	-28,594	-9.2%
Subtotal, Naval Reactors		1,788,618	1,648,396	-140,222	-7.8%
Transfer to NE - Advanced Test Reactor (non-add)		(-85,500) 1,788,618	1,648,396	-140,222	-7.8%
Total, Under Secretary for Nuclear Security and					
National Nuclear Security Administration	. 14,668,952	15,228,618	16,485,000	+1,256,382	+8.3%

Bloomerry Inchinologies		FY 2018	FY 2019	FY 2020	FY 2020 Re	
Secretary for Energy Efficiency and Exercising Secretary for Energy Efficiency and Remewable Energy Energy Efficiency and Remewable Energy FIDDAD				_		
Namewalte Energy Elemony and Renewable Energy RDDAD		Аррго.	Аррго.	Request	Ф	70
Namewalte Energy Elemony and Renewable Energy RDDAD	Assistant Secretary for Energy Efficiency and					
Energy Efficiency and Febrewake Energy RDDAD 37500 344,00 73,400 77,400 77,000 48,000	• • •					
Sustainable transportation	Energy Efficiency and Renewable Energy					
Vehicle technologies	Energy Efficiency and Renewable Energy RDD&D					
Bloomerry Inchinologies	Sustainable transportation:					
Hydrogen and finel cell technologies.	•			,		-78.7%
Troils, Sustainable transportation	0, 0		,			-82.3%
Renewable power	, ,		•			-63.3%
Solar energy technologies	Total, Sustainable transportation	674,045	690,000	157,400	-532,600	-77.2%
Solar energy technologies						
Wind energy technologies					.=	
Water power technologies			,		,	
Geothermal technologies	0, 0			-,		
Total, Renewable power. 519,506 527,500 163,700 -363,800 -68	·	,	,			
Pedgral entropy Section Pedgral entropy	· ·					
Advanced Manufacturing	Total, Renewable power	519,500	527,500	103,700	-303,000	-09.07
Advanced Manufacturing	Energy efficiency:					
Federal energy management program. 27,000 30,000 8,400 -21,600 7-2,01 Ebuilding Technologies. 220,727 226,000 7-20,000 7-20,100 7-20,100 1-	••	305.000	320.000	80.500	-239.500	-74.8%
Building Technologies. 220,727 226,000 57,000 -169,0000 -74,88' Weatherization and interpovernmental programs Weatherization and interpovernmental programs 248,000 254,000	· ·		,		,	-72.0%
Weatherization and intergovernmental programs 248,000 254,000						-74.8%
Weatherization 248,000 254,000		,,,		0.,000	.00,000	. 4.070
Weatherization assistance program 248,000 254,000 254,000 -100.00 Training and technical assistance. 3,000 3,000 3,000 -100.00 Total, Weatherization 251,000 257,000 257,000 -100.00 Total, Weatherization & Intergovernmental 306,000 55,000 55,000 50,000 100.00 Total, Weatherization & Intergovernmental 306,000 312,000 312,000 100.00 Total, Weatherization & Intergovernmental 306,000 312,000 312,000 100.00 Total, Energy efficiency. 888,000 145,900 -742,100 -83,600 S88,727 S88,000 145,900 -742,100 -83,600 S88,727 S88,000 312,000						
Training and technical assistance. 3,000 3,000 45,000 100,001		248.000	254.000		-254.000	-100.0%
Total, Weatherization			,			
State energy program grants						-100.0%
Total, Weatherization & Intergovernmental programs 306,000 312,000 312,000 -100.09 Total, Energy efficiency	· · · · · · · · · · · · · · · · · · ·					
Total, Weatherization & intergovernmental programs 306,000 312,000 - 312,000 1-000°	State energy program grants	55.000	55.000		-55.000	-100.0%
Total, Energy efficiency. 858,727 888,000 145,900 -742,100 -83.63		•	•		•	
Total, Energy efficiency	•	306,000	312,000		-312,000	-100.0%
Program direction Salaries and Benefits 103,738 103,681 76,600 -27,081 -26,19 Travel			888,000	145,900		-83.6%
Program direction Salaries and Benefits 103,738 103,681 76,600 -27,081 -26,19 Travel						
Salaries and Benefits. 103,738 103,881 76,600 27,081 261,197 17avel. 4,091 4,151 2,300 -1,851 44,68 17avel. 4,091 4,151 2,300 -1,851 44,68 18avel. 44,628 45,024 35,000 -1,024 22,33 100,188 162,250 122,000 40,500 -24,93 100,1024 22,33 100,1024 122,000 100,100	Corporate support programs:					
Travel.	Program direction					
Support Services	Salaries and Benefits	103,738	103,681	76,600	-27,081	-26.1%
Differ Related Expenses	Travel	4,091	4,151	2,300	-1,851	-44.6%
Total, Program direction	Support Services	8,445	9,644	8,100	-1,544	-16.0%
Strategic programs	Other Related Expenses	46,226	45,024	35,000	-10,024	-22.3%
Facilities and infrastructure (NREL O&M) 92,000 97,000 107,000 +10,000 +10,300 101,000 +10,300 101,000 +10,300 101,000 -10	Total, Program direction	162,500	162,500	122,000	-40,500	-24.9%
Facilities and infrastructure (NREL O&M) 92,000 97,000 107,000 +10,000 +10,300 10,100 10,1000 +10,300 10,1000 10,1						
Total, Corporate support programs 269,500 273,500 229,000 44,500 16,33	• . •					-100.0%
Subtotal, Energy Efficiency and Renew. Energy RDD. 2,321,778 2,379,000 696,000 -1,683,000 -70,79 Adjustments:						+10.3%
Adjustments: Use of prior year balances (EE)						
Use of prior year balances (EE)		2,321,778	2,379,000	696,000	-1,683,000	-70.7%
Cotal, Energy Efficiency and Renewable Energy. 2,321,778 2,379,000 343,000 -2,036,000 -85.6°						
(Total, Federal Energy Assistance grants, non-add)						N/A
Crotal, EERE RDD&D, non-add)	· • • • • • • • • • • • • • • • • • • •				-2,036,000	-85.6%
Diffice of Electricity Delivery and Reliability			, ,	, ,		
Electricity Delivery & Energy Reliability	(Total, EERE RDD&D, non-add)	(2,015,778)	(2,067,000)	(343,000)		
Electricity Delivery & Energy Reliability Transmission reliability						
Electricity Delivery & Energy Reliability	Miles of Floridate Dellacon and Dellacille.					
Transmission reliability 44,987 — 0 N// Resilient distribution systems 40,600 — 0 N// Energy storage 41,000 — 0 N// Transformer resilience and advanced components 7,000 — 0 N// Transmission permitting and technical assistance 7,850 — 0 N// Infrastructure security and energy 14,900 — — 0 N// Cybersecurity for energy delivery systems 75,829 — — 0 N// Program direction. 29,163 — — 0 N// Potal, Electricity Delivery and Energy Reliability 261,329 — 0 N// Office of Electricity (Delivery) — 39,000 70,500 +31,500 +80.89 Resilient distribution systems — 40,000 27,900 -12,100 -30.39 Energy storage — 46,000 43,500 -2,500 -5.49 Construction — — 5,000 +5,000 N//						
Resilient distribution systems		44.007			0	NI/A
Energy storage						
Transformer resilience and advanced components 7,000 0 N// Transmission permitting and technical assistance 7,850 0 N// Infrastructure security and energy restoration 14,900 0 N// Cybersecurity for energy delivery systems 75,829 0 N// Program direction 29,163 0 N// Potal, Electricity Delivery and Energy Reliability 261,329 0 N// Office of Electricity (Delivery) 39,000 70,500 +31,500 +80.89 Resilient distribution systems 40,000 27,900 -12,100 -30.39 Energy storage 46,000 43,500 -2,500 -5.49 Construction 5,000 +5,000 N//	·					
Transmission permitting and technical assistance						
Infrastructure security and energy restoration						
restoration	, ·	7,000			U	IN/A
Cybersecurity for energy delivery systems 75,829 0 N// Program direction 29,163 0 N// Total, Electricity Delivery and Energy Reliability 261,329 0 N// Diffice of Electricity (Delivery) 39,000 70,500 +31,500 +80.89 Resilient distribution systems 40,000 27,900 -12,100 -30.39 Energy storage 46,000 43,500 -2,500 -5.49 Construction 5,000 +5,000 N//	, ,	14 000			0	NI/A
Program direction. 29,163 0 N/- Total, Electricity Delivery and Energy Reliability. 261,329 0 N/- Diffice of Electricity (Delivery) Transmission Reliability and Resilience. 39,000 70,500 +31,500 +80.89 Resilient distribution systems. 40,000 27,900 -12,100 -30.39 Energy storage Research. 46,000 43,500 -2,500 -5,49 Construction. 5,000 +5,000 N/-						
Cotal, Electricity Delivery and Energy Reliability. 261,329 0 N/.						
Diffice of Electricity (Delivery) Transmission Reliability and Resilience						N/A
Transmission Reliability and Resilience 39,000 70,500 +31,500 +80.89 Resilient distribution systems 40,000 27,900 -12,100 -30.39 Energy storage 46,000 43,500 -2,500 -5,49 Construction 5,000 +5,000 N/	,	, , , , , , , , , , , , , , , , , , , ,				
Transmission Reliability and Resilience 39,000 70,500 +31,500 +80.89 Resilient distribution systems 40,000 27,900 -12,100 -30.39 Energy storage 46,000 43,500 -2,500 -5,49 Research 46,000 43,500 +5,000 N//	Office of Electricity (Delivery)					
Resilient distribution systems 40,000 27,900 -12,100 -30.3% Energy storage Research 46,000 43,500 -2,500 -5.4% Construction 5,000 +5,000 N//			39,000	70,500	+31,500	+80.8%
Energy storage 46,000 43,500 -2,500 -5.49 Research	•					-30.3%
Research 46,000 43,500 -2,500 -5.49 Construction 5,000 +5,000 N//	·			•		
Construction			46,000	43,500	-2,500	-5.4%
						N/A
			46,000			+5.4%

	FY 2018	FY 2019	FY 2020	FY 2020 Request vs		
	Total Enacted	Enacted	Congressional	FY 2019 Er		
	Appro.	Appro.	Request	\$	%	
Transformer resilience and advanced components		7,000	9,000	+2,000	+28.6%	
Transmission permitting and technical assistance		7,000	7,000	0 +2,600	N/A	
Program direction		17,000 156,000	19,600 182,500	+26,500	+15.3% +17.0%	
Down Marketon Administration						
Power Marketing Administrations Southeastern Power Administration						
Southeastern power administration	72,449	75,324	87,016	+11,692	+15.5%	
Less alternative financing (for PPW)/	70.440	75 204	07.016	11 600	45 50/	
Offsetting collection		-75,324 	-87,016 	-11,692 0	-15.5% N/A	
				· ·		
Southwestern Power Administration Southwestern power administration	25,600	10 400	10.400	0	N/A	
Use of Prior Year Balances	· ·	10,400	10,400	0	N/A	
Less alternative financing/	14,200			O	14/7	
Offsetting collection				0	N/A	
Total, Southwestern Power Administration	11,400	10,400	10,400	0	N/A	
Western Area Power Administration						
Western Area Power Administration (CROM)	050 470	004 507	045.004	.04.007	. 0 70/	
Western area power administration (CROM)	858,473	834,567	915,804	+81,237	+9.7%	
Less alternative financing/ Offsetting collection (P.L. 108-477/109-103)	765,101	-745,195	-826,432	-81,237	-10.9%	
			.=-			
Rescission of prior year balances		89,372	-176 89,196	-176 -176	-0.2%	
Total, Western Area Power Administration (CROM)	93,372	09,372	69,190	-170	-0.2%	
Falcon and Amistad Operating and Maintenance Fund						
Operation and maintenance		4,440	5,647	+1,207	+27.2%	
Offsetting collections Less alternative financing		-1,340 -372	-2,932 -1,187	-1,592 -815	-118.8% -219.1%	
Use of prior year balances		-2,500	-1,300	+1,200	+48.0%	
Total, Falcon and Amistad Fund		228	228	0	N/A	
Colorado River Basins Power Marketing Fund						
Spending authority from offsetting collection		220,337	220,244	-93	-0.0%	
Offsetting collections		-243,337	-241,644	+1,693	+0.7%	
Total, Colorado River Basins Power Marketing Fund Total, Western Area Power Administration		-23,000 66,600	-21,400 68,024	+1,600 +1,424	+7.0% +2.1%	
Total, Power Marketing Administrations		77,000	78,424	+1,424	+1.8%	
Total, 1 on a marketing rational state of the state of th		77,000	70,727	1,727	11.070	
Office of Cybersecurity, Energy Security, and Emergency Response						
Cybersecurity for Energy Delivery Systems (CEDS)		89,500	75,000	-14,500	-16.2%	
Infrastructure Security and Energy Restoration		19,000	70,000	+51,000	+268.4%	
Program Direction		11,500	11,500	0	N/A	
Total, Office of Cybersecurity, Energy Security, and Emergency		,000	11,000	· ·		
Response		120,000	156,500	+36,500	+30.4%	
Fossil Energy Petroleum Reserves Naval Petroleum and Oil Shale Reserve						
Production operations	18,200	8,000	12,000	+4,000	+50.0%	
Management		2,000	2,000	0	N/A	
Use of prior year balances	15,300			0	N/A	
Total, Naval Petroleum & Oil Shale Reserve	4,900	10,000	14,000	+4,000	+40.0%	
Strategic Petroleum Reserve	000 000	000 000	474.000	20.000	45 501	
Strategic petroleum reserve		206,000	174,000 450,000	-32,000 -150.000	-15.5% 50.0%	
Sale of crude oil	· ·	-300,000 300,000	-450,000 450,000	-150,000 +150,000	-50.0% +50.0%	
Northeast Gasoline Supply Reserve	· ·	29,000	450,000	-29,000	-100.0%	
Supplemental Hurricane Funding	·			0	N/A	
Total, Strategic Petroleum Reserve		235,000	174,000	-61,000	-26.0%	
rotal, Strategic Petroleum Reserve	260,/16	∠35,000	174,000	-61,000	-26	

	FY 2018							FY 2018 FY 2019 Total Enacted Enacted		FY 2020 Congressional	FY 2020 Req FY 2019 En	
				Appro. Appro. Request		\$	%					
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		· · ·								
SPR Petroleum Account												
SPR Petroleum Account		10,000		-10,000	-100.0%							
Use of prior year balances	3,000			0	N/A							
Use of NGSR refined petroleum product sale proceeds ¹		10.000	27,000 27,000	+27,000 +17,000	+170.0%							
Total, SPR Petroleum Account	6,400	10,000	27,000	+17,000	+170.0%							
Northeast Home Heating Oil Reserve												
Northeast Home heating oil reserve		10,000		-10,000	-100.0%							
Use of prior year balances				0	N/A							
Total, Northeast Home Heating Oil Reserve		10,000 265.000	215,000	-10,000 -50,000	-100.0%							
Total, Fossil Energy Petroleum Reserves	200,510	205,000	215,000	-50,000	-18.9%							
Assistant Secretary for Fossil Energy												
Fossil Energy Research and Development												
Fossil Energy Research and Development (OLD)												
Coal CCS and Payer Systems												
Coal CCS and Power Systems Carbon Capture	. 100,671	100,671		-100,671	-100.0%							
Carbon Storage		98,096		-98,096	-100.0%							
Advanced Energy Systems		129.683		-129,683	-100.0%							
Cross-cutting research		56,350		-56.350	-100.0%							
NETL coal research and development	,	54,000		-54,000	-100.0%							
Supercritical Transformational Electric Power		22,430		-22,430	-100.0%							
Transformational coal pilots		25,000		-25,000	-100.0%							
Total, Coal CCS and Power Systems		486,230		-486,230	-100.0%							
Total, Coal	. 481,117	486,230		-486,230	-100.0%							
Advanced Coal Energy Systems & CCUS			200 200	.000.000	NI/A							
Advanced Energy Systems.			220,300	+220,300 +60.325	N/A N/A							
Crosscutting Research			60,325 68,800	+68.800	N/A N/A							
NETL Coal Research and Development.			38,000	+38,000	N/A N/A							
Total, Advanced Coal Energy Systems & CCUS			387,425	+387,425	N/A							
,			,	,								
Natural gas technologies	. 50,000	51,000	10,730	-40,270	-79.0%							
Unconventional fossil energy technologies												
from Petroleum - Oil technologies		46,000	19,000	-27,000	-58.7%							
Special recruitment programs		700	700	0	N/A							
Program direction		61,070	61,045	-25	-0.0%							
NETL Research and Operations.		50,000	40,000	-10,000	-20.0%							
NETL Infrastructure and operations		45,000 740,000	43,100 562,000	-1,900 -178,000	-4.2% - 24.1%							
Total, 1 03311 Ellergy Nessearch and Development	. 720,017	740,000	302,000	-170,000	-24.170							
O												
Office of Nuclear Energy Nuclear Energy												
Research and Development												
Integrated University Program	5,000	5,000		-5,000	-100.0%							
Step R&D		5,000		-5,000	-100.0%							
Reactor Concepts RD&D		323,500	215,150	-108,350	-33.5%							
Fuel cycle research and development		263,915	90,000	-173,915	-65.9%							
Nuclear Energy Enabling Technologies		152,585	98,450	-54,135	-35.5%							
International nuclear energy cooperation		3,000		-3,000	-100.0%							
Total, Research and Development	669,056	753,000	403,600	-349,400	-46.4%							
Radiological facility management	. 29,000	29,000	9,000	-20,000	-69.0%							
Idaho facilities management	20,000	_0,000	0,000	_5,000	30.070							
Idaho facilities management	294,000	318,000	209,242	-108,758	-34.2%							
Idaho sitewide safeguards and security	. 133,000	146,090	137,808	-8,282	-5.7%							
Program Direction		80,000	64,350	-15,650	-19.6%							
Subtotal, Nuclear Energy		1,326,090	824,000	-502,090	-37.9%							
Adjustments:												
Transfer from NR - Advanced Test Reactor HR 3219 (non-add)		(85,500)	()	()	()							
Total, Nuclear Energy	. 1,205,056	1,326,090	824,000	-502,090	-37.9%							
Yucca Mountain and Interim Storage												
Defense Nuclear Waste Disposal				.00.000								
Yucca mountain and interim storage			26,000	+26,000	N/A							
Total, Defense Nuclear Waste			26,000	+26,000	N/A							

	FY 2018												FY 2020 Red	quest vs
	Total Enacted	Enacted	Congressional	FY 2019 Er										
	Appro.	Appro.	Request	\$	%									
Nuclear Waste Disposal														
Yucca mountain and interim storage			90,000	+90,000	N/A									
Total, Nuclear Waste Disposal			90,000	+90,000	N/A									
Total, Yucca Mountain and Interim Storage			116,000	+116,000	N/A									
Energy Policy and Systems Analysis Departmental Administration														
Program direction	. 10,432			0	N/A									
Total, Energy Policy and Systems Analysis				0	N/A									
Office of Indian Energy														
Departmental Administration														
Program direction	18,000			0	N/A									
Total, Indian Energy	. 18,000			0	N/A									
Office of Indian Energy Policy and Programs														
Program direction		4,800	3,521	-1,279	-26.6%									
Tribal Energy Program		13,200	4,479	-8,721	-66.1%									
Total, Office of Indian Energy Policy and Programs		18,000	8,000	-10,000	-55.6%									
Office of Policy														
Departmental Administration														
Program direction		10,010	8,000	-2,010	-20.1%									
Use of prior year balances		-7,500 2,510	8,000	+7,500 +5,490	+100.0% +218.7%									
Total, Office of Policy		2,510	8,000	+5,490	7210.7 /6									
Project Management Oversight and Assessments														
Departmental Administration														
Program direction	. 15,192	15,005	14,255	-750	-5.0%									
Total, Departmental Administration		15,005	14,255	-750	-5.0%									
Total, Project Management Oversight Assessments	15,192	15,005	14,255	-750	-5.0%									
Environment, Health, Safety and Security														
Environment, health, safety and security		133,839	139,628	+5,789	+4.3%									
Program direction		69,000	72,881	+3,881	+5.6%									
Total, Environment, Health, Safety and Security	198,946	202,839	212,509	+9,670	+4.8%									
Title 17 - Innovative Technology Loan														
Guarantee Program														
Administrative expenses		33,000	3,000	-30,000	-90.9%									
Offsetting collections	2,108	-20,000	-3,000	+17,000	+85.0%									
Subtotal, Title 17 - Innovative Technology Loan Guarantee Program	30,892	13,000		-13,000	-100.0%									
Rescission of prior year balances (Gen. Prov.)			-160,659	-160.659	N/A									
Total, Title 17 - Innovative Technology			,	,										
Loan Guarantee Program	. 30,892	13,000	-160,659	-173,659	-1,335.8%									
Advanced Technology Vehicles Manufacturing														
Advanced Technology Vehicles Manufacturing Loan Program														
Administrative expenses	. 5,000	5,000		-5,000	-100.0%									
Total, Advanced Technology Vehicles					400.00									
Manufacturing Loan Program	. 5,000	5,000		-5,000	-100.0%									
Tribal Energy Loan Guarantee Program														
Administrative expenses		1,000		-1,000	-100.0%									
Cancellation		4 000	-8,500	-8,500	N/A									
Total, Tribal Energy Loan Guarantee Program	. 1,000	1,000	-8,500	-9,500	-950.0%									

	FY 2018	FY 2019	FY 2020	FY 2020 Re	Request vs	
	Total Enacted	Enacted	Congressional	FY 2019 E	•	
	Appro.	Appro.	Request	\$	%	
	Аррго.	дррго.	rrequest	Ψ	70	
Office of Science						
Office of Science						
Science	010.000	025 500	000 000	14.610	1.60/	
Advanced Scientific Computing Research		935,500	920,888	-14,612	-1.6%	
Basic Energy Sciences		2,166,000	1,858,285	-307,715	-14.2%	
Biological and Environmental Research		705,000	494,434	-210,566	-29.9%	
Fusion Energy Sciences		564,000	402,750	-161,250	-28.6%	
High Energy Physics	908,000	980,000	768,038	-211,962	-21.6%	
Nuclear Physics	684,000	690,000	624,854	-65,146	-9.4%	
Workforce Development for Teachers and Scientists	19,500	22,500	19,500	-3,000	-13.3%	
Science Laboratories Infrastructure	257,292	232,890	163,600	-69,290	-29.8%	
Safeguards and Security	103,000	106,110	110,623	+4,513	+4.3%	
Science Program Direction	183,000	183,000	183,000	0	N/A	
Total, Office of Science		6,585,000	5,545,972	-1,039,028	-15.8%	
, , , , , , , , , , , , , , , , , , , ,		.,,	-,,-	, ,		
Assistant Secretary for Environmental Management						
Assistant Secretary for Environmental Management						
Non-Defense Environmental Cleanup	0.040	0.040	0.500	.000	.44.00/	
Fast flux test reactor facility (WA)		2,240	2,500	+260	+11.6%	
Gaseous diffusion plants		101,304	103,073	+1,769	+1.7%	
Small sites		131,456	66,692	-64,764	-49.3%	
West Valley demonstration project		75,000	75,215	+215	+0.3%	
Total, Non-Defense Environmental Cleanup	298,400	310,000	247,480	-62,520	-20.2%	
Defense Environmental Cleanup						
Closure sites	4,889	4,889	4,987	+98	+2.0%	
Richland:						
River corridor and other cleanup operations	183,692	193.692	139,750	-53,942	-27.8%	
Central plateau remediation	,	660.358	472,949	-187,409	-28.4%	
Richland community and regulatory support		10,121	5,121	-5,000	-49.4%	
		1,000	11,000	+10,000		
Construction					+1,000.0%	
Total, Richland	003,192	865,171	628,820	-236,351	-27.3%	
05 10 0 1 5	4 500 000	4 570 000	1 000 100	100 510	44.50/	
Office of River Protection		1,573,000	1,392,460	-180,540	-11.5%	
Idaho National Laboratory		433,200	334,854	-98,346	-22.7%	
NNSA sites and Nevada off-sites		324,440	403,878	+79,438	+24.5%	
Oak Ridge Reservation	400,219	410,000	292,781	-117,219	-28.6%	
Savannah River Sites:						
Savannah River risk management operations	482,960	489,460	490,613	+1,153	+0.2%	
Construction	500	1,259	6,792	+5,533	+439.5%	
Total, Savannah River risk management operations	483,460	490,719	497,405	+6,686	+1.4%	
SR community and regulatory support	11,249	11,249	4,749	-6,500	-57.8%	
Radioactive liquid tank waste		885,689	960,978	+75,289	+8.5%	
Total. Savannah River Site		1,387,657	1.463.132	+75,475	+5.4%	
Total, Garanta Titol Glo	1,012,011	1,001,001	.,.00,.02	70,110	0.170	
Waste Isolation Pilot Plant	376,571	396,907	391,642	-5,265	-1.3%	
Program direction		298.500	278.908	-19,592	-6.6%	
· ·		,	-,			
Program support		12,979	12,979	0	N/A	
Safeguards and Security		304,434	317,622	+13,188	+4.3%	
Technology development		25,000		-25,000	-100.0%	
Use of prior year balances		-7,577		+7,577	+100.0%	
Subtotal, Defense environmental cleanup	5,988,048	6,028,600	5,522,063	-506,537	-8.4%	
Rescission:						
Rescission of prior year balances			-15,562	-15,562	N/A	
Rescission of prior year balances (Gen. Prov.)		-4,600		+4,600	+100.0%	
Total, Defense Environmental Cleanup	5,988,048	6,024,000	5,506,501	-517,499	-8.6%	
•		•		-		
Uranium Enrichment Decontamination and						
Decommissioning Fund						
•	104 672	105 000	100 430	_85 561	-43.9%	
Oak Ridge		195,000	109,439	-85,561		
Paducah	205,530	206,000	207,215	+1,215	+0.6%	
Portsmouth	381,271	408,099	355,661	-52,438		
Pension and community and regulatory support	381,271 22,794	21,030	21,762	+732	-12.8% +3.5%	
	381,271 22,794 35,732	21,030 11,000			+3.5%	
Pension and community and regulatory support		21,030	21,762	+732		

	FY 2018	2018 FY 2019	FY 2019 FY 2020	FY 2020 Request vs	
	Total Enacted Appro.	Enacted Appro.	Congressional Request	FY 2019 En	nacted %
Office of Legacy Management Other Defense Activities					
Legacy management		140,575	283,767	+143,192	+101.9%
Program direction		18,302	19,262	+960	+5.2%
Total, Other Defense Activities		158,877	303,029	+144,152	+90.7%
Total, Office of Legacy Management	154,606	158,877	303,029	+144,152	+90.7%
Office of Technology Transitions					
Program direction. Total, Office of Technology Transitions		8,505 8,505	9,080 9,080	+575 +575	+6.8% +6.8%
Chief Information Officer					
Departmental Administration					
Program direction	126,274	131,624	124,554	-7,070	-5.4%
Subtotal, Departmental Administration	126,274	131,624	124,554	-7,070	-5.4%
Funding from other defense activities	126,274	-131,624	-124,554	+7,070	+5.4%
Total, Departmental Administration				0	N/A
Other Defense Activities Defense related administrative support	126,274	131,624	124,554	-7,070	-5.4%
Total, Chief Information Officer	126,274	131,624	124,554	-7,070	-5.4%
Office of Management					
Departmental Administration					
Program direction	54,745	55,385	54,358	-1,027	-1.9%
Total, Departmental Administration		55,385	54,358	-1,027	-1.9%
Fotal, Management	54,745	55,385	54,358	-1,027	-1.9%
Chief Human Capital Officer					
Departmental Administration					
Program direction		26,125	24,316	-1,809	-6.9%
Total, Chief Human Capital Officer	25,513	26,125	24,316	-1,809	-6.9%
Office of Economic Impact and Diversity Economic impact and diversity	10,169	10,169	9,494	-675	-6.6%
Office of the Secretary					
Departmental Administration					
Program direction		5,395	5,119	-276	-5.1%
Total, Office of the Secretary	5,300	5,395	5,119	-276	-5.1%
Chief Financial Officer Departmental Administration					
Program direction	48,484	48,912	52,000	+3.088	+6.3%
Subtotal, Departmental Administration		48,912	52,000	+3,088	+6.3%
Funding from other defense activities (CFO)	-16.726	-20.065	-54.538	-34,473	-171.8%
Total, Departmental Administration	31,758	28,847	-2,538	-31,385	-108.8%
Other Defense Activities Defense related administrative support (CFO)		20,065	54,538	+34,473	+171.8%
Total, Other Defense Activities		20,065	54,538	+34,473	+171.8%
Fotal, Chief Financial Officer		48,912	52,000	+3,088	+6.3%
Assistant Secretary for Congressional and					
ntergovernmental Affairs					
Departmental Administration					
Program direction		6,200	5,895	-305	-4.9%
Use of prior year balances Total, Congressional and Intergovernmental Affairs		-2,000 4,200	5,895	+2,000 +1,695	+100.0% +40.4%
Office of Public Affairs Departmental Administration	2	0.55	2 222	22.4	= 401
Program direction		6,594	6,260	-334	-5.1%
Total, Public Affairs	6,589	6,594	6,260	-334	-5.1%

	FY 2018	FY 2018 FY 2019	018 FY 2019 FY 2020	FY 2018 FY 2019 FY 2020 FY 2020 Request vs			uest vs
	Total Enacted	Enacted	Congressional	FY 2019 En			
	Appro.	Appro.	Request	\$	%		
Office of General Counsel							
Departmental Administration							
Program direction		33,075 33,075	33,075 33,075	0 0	N/A N/A		
Total, General Counsel	33,000	33,075	33,075	<u> </u>	N/A		
International Affairs							
Departmental Administration							
Program direction		22,878		-22,878	-100.0%		
International Affairs							
Program direction		22,878	36,100 36,100	+36,100 +13,222	N/A +57.8%		
Total, International Arians	10,070	22,070	30,100	* 13,222	+37.076		
Office of Small and Disadvantaged							
Business Utilization							
Departmental Administration Program direction	3,000	3,170	3,609	+439	+13.8%		
Total, Office Small Disadvantaged Business Utilization		3,170	3,609	+439	+13.8%		
Strategic Partnership Projects and Revenues							
Departmental Administration							
Strategic partnership projects (SPP)	40,000	40,000	40,000	0	N/A		
Miscellaneous revenues							
Revenues associated with SPP		-40,000	-40,000	0	N/A		
Other revenues		-56,000	-53,378	+2,622	+4.7%		
Total, Miscellaneous revenues	-96,000	-96,000	-93,378	+2,622	+2.7%		
Total, Strategic Partnership Projects and Revenues	-56,000	-56,000	-53,378	+2,622	+4.7%		
Enterprise Assessments Enterprise assessments	24,068	24,068	24,068	0	N/A		
Program direction		52,702	57,211	+4,509	+8.6%		
Total, Enterprise Assessments		76,770	81,279	+4,509	+5.9%		
Specialized Security Activities							
Other Defense Activities							
Specialized security activities		266,378	254,578	-11,800	-4.4%		
Total, Specialized Security Activities	262,912	266,378	254,578	-11,800	-4.4%		
Office of Hearings and Appeals							
Other Defense Activities							
Office of hearings and appeals		5,739	4,852	-887	-15.5%		
Use of prior year balances Total, Hearings and Appeals		-2,000 3,739	4,852	+2,000 +1,113	+100.0% +29.8%		
,			,	,			
Advanced Research Projects Agency - Energy							
Advanced Research Projects Agency - Energy ARPA-E projects		334,750		-334,750	-100.0%		
Program direction	· ·	31,250		-31,250	-100.0%		
Rescission of prior year balances	<u></u>		-287,000	-287,000	N/A		
Total, Advanced Research Projects Agency - Energy		366,000	-287,000	-653,000	-178.4%		
Total, Advanced Research Projects Agency - Energy	353,314	366,000	-287,000	-653,000	-178.4%		
Energy Information Administration							
National energy information system		125,000	118,000	-7,000	-5.6%		
Total, Energy Information Administration	125,000	125,000	118,000	-7,000	-5.6%		
Office of Inspector General							
Office of inspector general	49,000	51,330	54,215	+2,885	+5.6%		
Total, Office of Inspector General	49,000	51,330	54,215	+2,885	+5.6%		

	FY 2018 Total Enacted Appro.	FY 2019 Enacted Appro.	FY 2020 Congressional Request	FY 2020 Request vs FY 2019 Enacted \$ %	
Federal Energy Regulatory Commission Federal energy regulatory commission FERC revenues	367,600 -367,600	369,900 -369,900	382,000 -382,000	+12,100 -12,100	+3.3% -3.3%
Total, Federal Energy Regulatory Commission				0	N/A
Fees & Recoveries In Excess of Annual Appropriations	-9,000	-16,000	-16,000	0	N/A
Title XVII Loan Guar. Prog Section 1703 Negative Credit Subsidy Receipt		-107.000	-15.000	+92.000	+86.0%
Sale of Northeast Gasoline Supply Reserve (NGSR)			-75,000 -82,000	-75,000 -82,000	N/A N/A