

DEPARTMENT OF ENERGY  
FY 1996 CONGRESSIONAL BUDGET REQUEST  
ENERGY SUPPLY RESEARCH AND DEVELOPMENT

VOLUME 2

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**Department of Energy**  
**FY 1996 Congressional Budget Request**  
**Budget Authority**  
(Discretionary Dollars in Millions)

	FY 1994		FY 1995		FY 1996 Request to Congress
	Non-comp	Comp	Non-comp	Comp	
<b>Appropriations Before the Energy and Water Development Subcommittees:</b>					
Energy Supply Research and Development	3,175.2	3,160.0	3,314.6	3,314.6	3,396.5
Uranium Supply and Enrichment Activities	135.1	135.1	73.2	73.2	42.3
UE Decontamination & Decommissioning Fund	286.3	286.3	301.3	301.3	288.8
General Science and Research Activities	1,604.5	1,604.5	984.0	984.0	1,017.5
Isotope Production and Distribution Fund	4.9	4.9	—	—	—
<b>Atomic Energy Defense Activities:</b>					
Weapons Activities	3,630.2	3,294.3	3,229.1	3,240.2	3,540.2
Defense Environmental Restoration & Waste Mgmt	5,170.1	6,065.0	5,092.7	5,605.0	6,008.0
Materials Support & Other Defense Programs	1,960.4	1,401.3	1,849.7	1,326.3	1,432.2
Defense Nuclear Waste Disposal	120.0	120.0	129.4	129.4	198.4
<b>Total, Atomic Energy Defense Activities</b>	<b>10,880.7</b>	<b>10,880.6</b>	<b>10,300.9</b>	<b>10,300.9</b>	<b>11,178.8</b>
Departmental Administration	289.2	304.5	281.6	281.6	317.1
Office of Inspector General	30.4	30.4	26.5	26.5	31.0
<b>Power Marketing Administration:</b>					
Alaska Power Administration	4.0	4.0	6.5	6.5	4.3
Bonneville Power Administration (non-add)	(50.0)	(50.0)	(147.3)	(147.3)	(-200.0)
Conservation Direct Loan Financing Account (non-add)	—	—	—	—	(26.6)
Southeastern Power Administration	29.8	29.8	22.4	22.4	19.8
Southwestern Power Administration	33.6	33.6	21.3	21.3	29.8
Western Area Power Administration	285.1	285.1	229.8	229.8	310.9
Falcon & Amistad Operating & Maintenance Fund	—	—	—	—	1.0
Colorado River Basin	—	—	—	—	-10.0
<b>Total, Power Marketing Administrations</b>	<b>352.5</b>	<b>352.5</b>	<b>280.0</b>	<b>280.0</b>	<b>355.8</b>
Federal Energy Regulatory Commission	—	—	—	—	—
Nuclear Waste Disposal Fund	260.0	260.0	392.8	392.8	—
Geothermal Resources Development Fund	-4.5	-4.5	—	—	—
<b>Total, Appropriations Before the Energy and Water Development Subcommittees</b>	<b>17,014.3</b>	<b>17,014.3</b>	<b>15,954.9</b>	<b>15,954.9</b>	<b>16,627.8</b>

**Department of Energy**  
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	FY 1994		FY 1995		FY 1996 Request to Congress
	Non-comp	Comp	Non-comp	Comp	
<b>Appropriations Before the Interior and Related Agencies Subcommittees:</b>					
Fossil Energy Research and Development	426.0	426.0	441.8	441.8	436.5
Alternative Fuels Production	-4.8	-4.8	-3.9	-3.9	-2.4
Naval Petroleum and Oil Shale Reserves	214.8	214.8	187.1	187.1	101.0
Energy Conservation	669.1	669.1	770.8	770.8	890.5
Economic Regulation Administration	13.0	13.0	12.4	12.4	10.5
Emergency Preparedness	8.9	8.9	8.2	8.2	8.2
Strategic Petroleum Reserve	206.8	206.8	243.7	243.7	212.7
Strategic Petroleum Account	—	—	-107.8	-107.8	-187.0
SPR Decommissioning Fund	—	—	—	—	100.0
Proceeds from sale of Weeks Island Oil	—	—	—	—	-100.0
Energy Information Administration	86.6	86.6	84.6	84.6	84.7
Clean Coal Technology	221.5	221.5	37.1	37.1	45.0
<b>Total, Appropriations Before the Interior and Related Agencies Subcommittees</b>	<b>1,841.9</b>	<b>1,841.9</b>	<b>1,674.0</b>	<b>1,674.0</b>	<b>1,599.7</b>
<b>Energy and Water Development appropriations</b>	<b>17,014.3</b>	<b>17,014.3</b>	<b>15,954.9</b>	<b>15,954.9</b>	<b>16,627.8</b>
Payment to States (non-add)	(2.5)	(2.5)	(2.5)	(2.5)	(2.5)
Uranium Enrichment D&D Fund Discretionary Payments	-129.8	-129.8	-133.7	-133.7	-395.0
<b>Total, Department of Energy Appropriations</b>	<b>18,726.4</b>	<b>18,726.4</b>	<b>17,495.2</b>	<b>17,495.2</b>	<b>17,832.6</b>

**DEPARTMENT OF ENERGY  
FY 1996 CONGRESSIONAL STAFFING REQUEST**

	FY 1994 ACTUAL USAGE	FY 95 MINUS FY 94	FY 1995 ESTIMATE	FY 96 MINUS FY 95	FY 1996 REQUEST
<b>ENERGY and WATER SUBCOMMITTEE</b>					
HEADQUARTERS	6,709	260	6,969	388	7,357
FIELD	10,898	504	11,402	-162	11,240
<b>SUBCOMMITTEE TOTAL</b>	<b>17,607</b>	<b>764</b>	<b>18,371</b>	<b>226</b>	<b>18,597</b>
<b>INTERIOR SUBCOMMITTEE</b>					
HEADQUARTERS	1,337	92	1,429	-25	1,404
FIELD	894	-45	849	-11	838
<b>SUBCOMMITTEE TOTAL</b>	<b>2,231</b>	<b>47</b>	<b>2,278</b>	<b>-36</b>	<b>2,242</b>
<b>ADJUSTMENT</b>		<b>-100</b>	<b>-100</b>	<b>100</b>	
<b>DOE TOTAL</b>	<b>19,838</b>	<b>711</b>	<b>20,549</b>	<b>290</b>	<b>20,839</b>

DEPARTMENT OF ENERGY FY 1996 CONGRESSIONAL STAFFING REQUEST

APPROPRIATION	FY 1994	FY 1995 -	FY 1995	FY 1996 -	FY 1996
	USAGE	FY 1994	ESTIMATE	FY 1995	REQUEST
ENERGY SUPPLY R&D	1,290	35	1,325	23	1,348
HEADQUARTERS	1,118	18	1,136	23	1,159
FIELD	172	17	189	0	189
URANIUM ENRICHMENT	68	-21	45	9	54
HEADQUARTERS	33	-23	10	9	19
FIELD	33	2	35	0	35
ISOTOPE PRODUCTION & DIST	6	0	6	6	12
GENERAL SCIENCE & RESEARCH	148	-7	141	-33	108
HEADQUARTERS	87	-28	59	-3	56
FIELD	61	21	82	-30	52
WEAPONS ACTIVITIES	2,316	-144	2,172	58	2,230
HEADQUARTERS	324	-48	275	111	366
FIELD	1,992	-95	1,897	-53	1,844
ENVIRONMENTAL REST & WASTE MGT	2,067	1,133	3,200	716	3,916
HEADQUARTERS	633	324	957	277	1,234
FIELD	1,434	809	2,243	439	2,682
MATERIALS SUPPORT	1,266	-99	1,167	-453	714
HEADQUARTERS	604	-57	547	-64	483
FIELD	662	-42	620	-389	231
DEPARTMENTAL ADMINISTRATION	3,034	35	3,069	-2	3,067
HEADQUARTERS	1,873	47	1,920	4	1,924
FIELD	1,161	-12	1,149	-6	1,143
INSPECTOR GENERAL	358	-2	356	0	356
ALASKA POWER ADMIN	33	2	35	0	35
BONNEVILLE POWER ADMIN	3,696	-156	3,440	-115	3,325
SOUTHEASTERN POWER ADMIN	42	-1	41	0	41
SOUTHWESTERN POWER ADMIN	198	-2	196	-1	195
WAPA - OPERATION & MAINT	1,281	-23	1,258	-6	1,252
WAPA - COLORADO RIVER BASIN	223	-14	209	-1	208
FED ENERGY REGULATORY COMM	1,434	29	1,463	-10	1,453
NUCLEAR WASTE FUND	249	-1	248	35	283
HEADQUARTERS	239	1	240	35	275
FIELD	10	-2	8	0	8
CLEAN COAL TECHNOLOGY	85	1	86	-10	76
HEADQUARTERS	22	2	24	-1	23
FIELD	63	-1	62	-9	53
FOSSIL ENERGY R&D	751	-25	726	0	726
HEADQUARTERS	151	0	151	1	152
FIELD	600	-25	575	-1	574
NAVAL PET & OIL SHALE RES	84	-8	76	0	76
HEADQUARTERS	18	1	19	0	19
FIELD	66	-9	57	0	57
ENERGY CONSERVATION	487	57	544	0	544
HEADQUARTERS	448	71	519	0	519
FIELD	39	-14	25	0	25
EMERGENCY PREPAREDNESS	65	2	67	-1	66
ECONOMIC REGULATION	135	-5	130	-20	110
STRATEGIC PETROL RESERVE	164	2	166	-1	165
HEADQUARTERS	38	-2	36	0	36
FIELD	126	4	130	-1	129
ENERGY INFORMATION ACTIVITIES	460	23	483	-4	479
ADJUSTMENT		-100	-100	100	
DOE TOTAL	19,638	711	20,549	290	20,839

**Department of Energy**  
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	FY 1994		FY 1995		FY 1996 Request to Congress
	Non-comp	Comp	Non-comp	Comp	
<b>Energy Supply Research and Development</b>					
Solar Energy	242.3	242.3	292.2	292.2	326.4
Geothermal	23.0	23.0	37.8	37.8	37.0
Hydrogen Research	9.6	9.6	9.6	9.6	7.3
Hydropower	1.0	1.0	4.9	4.9	1.0
Electric Energy Systems	37.0	37.0	38.5	38.5	41.0
Energy Storage Systems	7.2	7.2	5.8	5.8	5.9
Policy and Management - CE	3.8	3.8	4.8	4.8	4.7
Nuclear Energy R&D	227.3	227.3	199.2	199.2	201.1
Termination Cost	104.7	104.7	69.7	69.7	72.6
Isotope Support	—	—	19.5	19.5	25.4
Soviet Designed Reactor Safety	30.0	30.0	—	—	78.8
Russian Replacement Power Initiative	—	—	—	—	5.0
Civilian Waste R&D	0.7	0.7	0.7	0.7	0.7
<b>Environment, Safety and Health</b>					
Environment Research and Development	141.1	141.1	126.7	126.7	149.6
Nuclear Safety Policy	14.7	14.7	17.2	17.2	17.2
Environmental Analysis	9.6	—	—	—	—
Scientific & Engineering Recruitment, Training & Dev.	4.9	—	—	—	—
<b>Total, Environment, Safety and Health</b>	<b>170.3</b>	<b>155.8</b>	<b>143.9</b>	<b>143.9</b>	<b>166.8</b>
Biological and Environmental Research	395.2	395.2	436.7	436.7	431.7
Fusion Energy	328.6	328.6	368.4	368.4	366.0
Basic Energy Sciences	757.8	757.8	733.9	733.9	811.4
Advanced Neutron Source	16.2	16.2	20.8	20.8	—
Energy Research Analyses	3.6	3.6	3.4	3.4	3.5
Laboratory Technology Transfer	37.4	37.4	56.9	56.9	58.8
Advisory and Oversight	13.4	12.7	12.5	12.5	9.8
Multi-Program Energy Laboratories	40.1	40.1	43.0	43.0	51.0
Policy and Management - ER	3.1	3.1	2.2	2.2	2.2
Small Business Innovation Research (SBIR)	54.0	54.0	—	—	—
University and Science Education Programs	55.3	55.3	69.6	69.6	55.4
Technical Information Management Program	14.7	14.7	16.1	16.1	17.4
Technology Partnership	—	—	—	—	3.1
In-House Energy Management	25.3	25.3	30.7	30.7	28.8
Liquified Gaseous Spill Test Facility	1.3	1.3	—	—	—
Environmental Rest. & Waste Mgmt. (non-defense)	693.0	693.0	731.7	731.7	713.0
<b>Subtotal, Energy Supply Research and Development</b>	<b>3,295.9</b>	<b>3,280.7</b>	<b>3,352.5</b>	<b>3,352.5</b>	<b>3,525.8</b>
Prior Year Balances & Other Adjustments	-120.7	-120.7	-37.9	-37.9	-129.3
<b>Total, Energy Supply Research and Development</b>	<b>3,175.2</b>	<b>3,160.0</b>	<b>3,314.6</b>	<b>3,314.6</b>	<b>3,396.5</b>



DEPARTMENT OF ENERGY  
FY 1996 CONGRESSIONAL BUDGET REQUEST

Proposed Appropriation Language

Energy Supply, Research and Development Activities

For expenses of the Department of Energy activities including the purchase, construction and acquisition of plant and capital equipment and other expenses incidental thereto necessary for energy supply, research and development activities, and other activities in carrying out the purposes of the Department of Energy Organization Act (42 U.S.C. 7101, et seq.), including the acquisition or condemnation of any real property or any facility or for plant or facility acquisition, construction, or expansion; purchase of passenger motor vehicles (not to exceed 25, of which 19 are for replacement only); [~~\$3,314,548,000~~] \$3,506,035,000, to remain available until expended[: *Provided*, That the Secretary of Energy may transfer available amounts appropriated for use by the Department of Energy under title III of previously enacted Energy and Water Development Appropriations Acts into the Isotope Production and Distribution Program Fund, in order to continue isotope production and distribution activities; *Provided further*, That the authority to use these amounts appropriated is effective from the date of enactment of this Act: *Provided further*, That fees set by the Secretary for the sale of isotopes and related services shall hereafter be determined without regard to the provisions of Energy and Water Development Appropriations Act (Public Law 101-101): *Provided further*, That amounts provided for isotope production and distribution in previous Energy and Water Development Appropriations Acts shall be treated as direct appropriations and shall be merged with funds appropriated under this head.]: *Provided*, That the amount appropriated herein reflects anticipated savings of \$50,000,000 associated with implementing the recommendations of the Task Force on Alternative Futures for the Department of Energy National Laboratories: *Provided further*, That in the event some portion of savings are achieved in other accounts under this title, amounts equal to such savings may be transferred to this account without regard to the requirements or limitations of section 302 of Public Law 102-377.

EXPLANATION OF CHANGE

The proposed deletion is to eliminate the one-time provisions for Isotopes Production activities. The proposed language authorizes transfer of anticipated saving among title III accounts.

**Department of Energy**  
**FY 1996 Congressional Budget Request**  
**Budget Authority**  
 (Discretionary Dollars in Millions)

**General Science and Research Activities**

	FY 1994		FY 1995		FY 1996 Request to Congress
	Non-comp	Comp	Non-comp	Comp	
High Energy Physics	610.2	610.2	642.1	642.1	685.5
Nuclear Physics	345.3	345.3	331.5	331.5	321.1
General Science Program Direction	9.0	9.0	10.4	10.4	10.9
Superconducting Super Collider Termination Costs	640.0	640.0	—	—	—
<b>Total, General Science and Research</b>	<b>1,604.5</b>	<b>1,604.5</b>	<b>984.0</b>	<b>984.0</b>	<b>1,017.5</b>



DEPARTMENT OF ENERGY  
FY 1996 CONGRESSIONAL BUDGET REQUEST

Proposed Appropriation Language

General Science and Research Activities

For expenses of the Department of Energy activities including the purchase, construction and acquisition of plant and capital equipment and other expenses incidental thereto necessary for general science and research activities in carrying out the purposes of the Department of Energy Organization Act (42 U.S.C. 7101, et seq.), including the acquisition or condemnation of any real property or facility or for plant or facility acquisition, construction, or expansion; purchase of passenger motor vehicles (not to exceed [12] 7 for replacement only), [\$984,031,000] \$1,017,530,000, to remain available until expended[: *Provided*, That none of the funds made available under this section for Department of Energy facilities may be obligated or expended for food, beverages, receptions, parties, country club fees, plants or flowers pursuant to any cost-reimbursable contract: *Provided further*, That of the amounts previously appropriated to orderly terminate the Superconducting Super Collider (SSC) project in the Energy and Water Development Appropriations Act, 1994, amounts not to exceed \$65,000,000 shall be available as a one-time contribution to the completion, with modification, of partially completed facilities at the project site if the Secretary determines such one-time contribution (i) will assist the maximization of the value of the investment made in the facilities and (ii) is in furtherance of a settlement of the claims that the State of Texas has asserted against the United States in connection with the termination of the SSC project: *Provided further*, That no such amounts shall be made available as a contribution to operating expenses of such facilities].

EXPLANATION OF CHANGE

The Superconducting Super Collider project has been terminated.