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Department of Energy FY 1980 Obligations and Costs by State

✓ U.S. DEPARTMENT OF ENERGY

950 8372

✓ Office of the Controller
Washington, DC 20545

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February 1979

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Department of Energy FY 1980 Obligations and Costs by State

U.S. DEPARTMENT OF ENERGY

Office of the Controller
Washington, DC 20545

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February 1979

DEPARTMENT OF ENERGY

President's Budget for FY 1980
Estimated Obligations and Costs-by-State

February 5, 1979

The estimates shown herein for the respective States, particularly as they pertain to the FY 1980 column, are based largely on existing contracts and grants which are assumed to continue in FY 1980. Some DOE programs cannot be identified at the contractor level, and consequently some elements of programs cannot be identified by State. An "Undesignated" category has been added to the States' listing to reflect funding to be allocated after plans have been more fully developed and contracts and grants have been awarded. Therefore, the estimates included herein should be used with some degree of caution; State totals should be considered as approximations at this time, as they will probably change as program plans become finalized. Congressional actions on the FY 1980 Budget will also affect the estimates shown herein. It should also be noted that certain proposed supplemental appropriations for FY 1979 are contained within the State totals.

President's Budget for FY 1980
Estimated Obligations and Costs-by-State

February 5, 1979

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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
TOTAL ESTIMATED OBLIGATIONS AND COSTS BY STATE
(IN THOUSANDS)

STATE	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	BO	BA	MO
ALABAMA	12,307	11,701	3,936	6,413
ALASKA	6,827	5,420	4,962	5,721
ARIZONA	23,523	11,092	11,652	12,499
ARKANSAS	21,283	17,968	20,255	21,246
CALIFORNIA	1,172,204	1,113,607	1,109,553	1,094,225
COLORADO	323,816	261,058	323,458	322,843
CONNECTICUT	21,981	28,312	17,019	23,551
DELAWARE	2,723	1,854	2,253	2,928
DISTRICT OF COLUMBIA	668,717	658,505	709,449	733,735
FLORIDA	57,825	52,226	54,416	58,226
GEORGIA	24,771	20,563	18,863	23,008
HAWAII AND PACIFIC TEST AREA	19,870	28,417	16,794	19,106
IDAHO	309,910	260,563	273,917	279,788
ILLINOIS	423,074	391,121	414,653	427,257
INDIANA	22,710	16,370	17,178	21,901
IOWA	24,219	20,441	22,808	24,607
KANSAS	8,885	6,629	4,508	6,396
KENTUCKY	437,783	468,683	380,790	406,726
LOUISIANA	18,721	15,663	19,795	21,403
MAINE	6,892	5,413	5,405	7,320
MARYLAND	129,914	79,546	82,732	86,153
MASSACHUSETTS	94,309	84,873	81,269	89,324
MICHIGAN	38,083	33,148	40,548	44,219
MINNESOTA	26,960	20,920	23,691	28,730
MISSISSIPPI	11,493	9,842	3,754	5,267
MISSOURI	242,447	222,853	285,074	284,535
MONTANA	14,904	10,359	12,230	13,949
NEBRASKA	7,561	6,010	6,871	8,124
NEVADA	200,335	198,417	183,398	184,153
NEW HAMPSHIRE	6,204	4,967	3,440	4,720
NEW JERSEY	136,444	143,283	125,777	154,954
NEW MEXICO	819,273	769,469	944,179	879,188
NEW YORK	341,717	307,776	363,454	334,942
NORTH CAROLINA	12,531	10,763	9,817	12,690
NORTH DAKOTA	16,201	17,903	13,606	15,190

FEBRUARY 1, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY STATE
 (IN THOUSANDS)

STATE	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	DBS.	ML	BA	ML
OHIO	688,413	670,805	674,039	647,291
OKLAHOMA	45,954	53,531	36,444	42,464
OREGON	12,695	9,727	8,309	11,202
PENNSYLVANIA	329,739	266,896	255,300	277,470
PUERTO RICO	5,630	4,960	4,213	6,216
RHODE ISLAND	4,670	3,459	3,581	4,530
SOUTH CAROLINA	369,203	389,278	418,204	426,867
SOUTH DAKOTA	10,865	14,659	12,647	14,601
TENNESSEE	-273,449	-265,364	-421,759	-415,847
TEXAS	190,284	169,770	203,726	198,346
UTAH	15,193	12,745	10,972	12,105
VERMONT	3,189	2,838	2,181	2,799
VIRGINIA	34,731	38,455	23,859	28,716
WASHINGTON	550,945	560,351	598,436	613,045
WEST VIRGINIA	64,900	63,958	49,431	53,077
WISCONSIN	17,929	14,237	15,585	16,332
WYOMING	61,409	49,725	33,136	34,345
ALL OTHER (FOREIGN)	15,225	12,512	13,406	15,924
UNDESIGNATED	2,230,571	2,979,726	870,075	2,703,298

TOTAL DEPARTMENT OF ENERGY	\$ 10,084,513	\$ 10,368,203	\$ 8,423,314	\$ 10,362,378
	=====	=====	=====	=====

FEBRUARY 1, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
TOTAL ESTIMATED OBLIGATIONS AND COSTS BY STATE
(IN THOUSANDS)

STATE	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OHS.	HU	BA	HU
ALABAMA	11,807	11,201	3,936	6,413
ALASKA	6,742	5,378	4,982	5,678
ARIZONA	23,523	11,092	11,652	12,999
ARKANSAS	21,283	17,966	20,255	21,296
CALIFORNIA	893,020	896,966	829,615	830,373
COLORADO	246,710	217,760	257,384	252,570
CONNECTICUT	21,375	27,526	15,844	22,913
DELAWARE	2,723	1,854	2,253	2,928
DISTRICT OF COLUMBIA	622,513	639,185	697,340	717,874
FLORIDA	55,131	50,141	52,571	56,114
GEORGIA	24,671	20,459	18,708	22,873
HAWAII AND PACIFIC TEST AREA	6,355	9,402	6,094	8,406
IDaho	174,837	174,500	158,336	164,311
ILLINOIS	351,929	330,928	347,834	365,442
INDIANA	20,288	15,150	16,696	21,477
IOWA	22,654	19,005	21,403	23,061
KANSAS	7,885	5,629	4,508	6,396
KENTUCKY	373,523	349,693	330,561	313,156
LOUISIANA	18,721	15,663	19,795	21,403
MAINE	6,892	5,413	5,405	7,320
MARYLAND	128,961	78,658	82,632	85,529
MASSACHUSETTS	89,464	79,070	75,408	84,422
MICHIGAN	37,303	32,413	34,163	39,149
MINNESOTA	25,860	20,130	23,691	28,220
MISSISSIPPI	11,493	9,842	3,754	5,267
MISSOURI	223,724	209,930	272,474	262,401
MONTANA	13,344	9,302	12,230	13,949
NEBRASKA	7,561	6,010	6,871	8,124
NEVADA	179,880	181,576	162,126	163,857
NEW HAMPSHIRE	6,204	4,967	3,440	4,720
NEW JERSEY	79,094	76,056	87,005	90,858
NEW MEXICO	678,707	664,830	753,319	722,719
NEW YORK	283,733	267,740	276,137	267,982
NORTH CAROLINA	12,531	10,763	9,797	12,670
NORTH DAKOTA	15,959	17,597	13,456	14,985

FEBRUARY 1, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY STATE
 (IN THOUSANDS)

STATE	OPERATING EXPENSES			
	FY 1979 ESTIMATES OBS.	ESTIMATES BU	FY 1980 ESTIMATES BA	ESTIMATES BU
OHIO	552,623	517,022	457,147	452,455
OKLAHOMA	45,106	52,996	35,592	41,714
OREGON	12,695	9,727	8,309	11,202
PENNSYLVANIA	298,432	249,562	229,784	254,505
PUERTO RICO	5,600	4,870	4,213	6,146
RHODE ISLAND	4,656	3,445	3,581	4,530
SOUTH CAROLINA	301,876	292,374	334,029	320,186
SOUTH DAKOTA	10,865	14,859	12,647	14,601
TENNESSEE	-196,013	-190,874	-154,084	-106,979
TEXAS	164,322	156,609	181,363	169,388
UTAH	15,003	12,504	10,642	11,895
VERMONT	3,189	2,838	2,181	2,799
VIRGINIA	34,674	38,405	23,779	28,666
WASHINGTON	415,170	445,274	444,032	435,036
WEST VIRGINIA	63,681	63,333	48,167	52,013
WISCONSIN	17,809	14,100	15,440	18,178
WYOMING	60,633	49,189	32,486	33,685
ALL OTHER (FOREIGN)	15,257	12,495	13,406	15,929
UNDESIGNATED	2,116,101	2,887,668	769,540	2,615,422
TOTAL OPERATING EXPENSES	\$ 8,648,079	\$ 9,130,193	\$ 7,113,925	\$ 9,069,226

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
TOTAL ESTIMATED OBLIGATIONS AND COSTS BY STATE
(IN THOUSANDS)

STATE	CAPITAL EQUIPMENT			
	FY 1979 ESTIMATES OBS.	BU	FY 1980 ESTIMATES MA	MU
ALASKA	85	42	0	43
CALIFORNIA	70,085	59,872	61,518	64,107
COLORADO	8,906	6,493	8,887	8,985
CONNECTICUT	521	403	1,110	543
DISTRICT OF COLUMBIA	10,585	7,295	11,567	10,479
FLORIDA	750	610	400	300
GEORGIA	100	104	155	135
HAWAII AND PACIFIC TEST AREA	15	15	0	0
IDAH0	16,564	12,096	15,588	17,114
ILLINOIS	24,065	32,218	24,856	22,504
INDIANA	2,402	1,206	482	403
IOWA	1,315	1,116	1,175	1,161
KENTUCKY	4,250	5,840	5,150	4,930
MARYLAND	953	888	100	624
MASSACHUSETTS	4,325	3,545	3,961	3,472
MICHIGAN	780	685	385	330
MINNESOTA	1,100	790	0	510
MISSOURI	3,350	2,440	3,900	4,400
NEVADA	13,743	12,650	19,372	15,636
NEW JERSEY	4,290	4,007	6,715	5,821
NEW MEXICO	59,679	47,085	71,074	57,989
NEW YORK	17,545	16,746	18,822	15,572
NORTH CAROLINA	0	0	20	20
NORTH DAKOTA	242	306	150	205
OHIO	14,230	9,830	15,465	14,178
OKLAHOMA	848	535	662	636
PENNSYLVANIA	19,894	14,837	12,506	13,515
PUERTO RICO	30	20	0	10
RHODE ISLAND	14	14	0	0
SOUTH CAROLINA	20,375	14,578	25,653	22,661
TENNESSEE	1,806	4,362	6,875	3,866
TEXAS	2,777	2,239	1,700	1,700
UTAH	40	20	80	70
VIRGINIA	57	50	80	50
WASHINGTON	32,585	21,111	32,791	32,155

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
TOTAL ESTIMATED OBLIGATIONS AND COSTS BY STATE
(IN THOUSANDS)

STATE	CAPITAL EQUIPMENT		CAPITAL EQUIPMENT	
	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BU	BA	BU
WEST VIRGINIA	1,219	625	1,160	1,000
WISCONSIN	120	137	145	154
WYOMING	776	536	650	660
UNDESIGNATED	9,158	842	11,715	5,783
TOTAL CAPITAL EQUIPMENT	\$ 349,579	\$ 279,464	\$ 365,049	\$ 331,721

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
TOTAL ESTIMATED OBLIGATIONS AND COSTS BY STATE
(IN THOUSANDS)

STATE	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BU	BA	BU
ALABAMA	500	500	0	0
CALIFORNIA	209,099	156,769	218,420	149,745
COLORADO	68,200	36,605	57,187	61,288
CONNECTICUT	85	383	65	95
DISTRICT OF COLUMBIA	35,619	12,025	542	5,382
FLORIDA	1,944	1,475	1,445	1,812
HAWAII AND PACIFIC TEST AREA	13,500	19,000	10,700	10,700
IDAHO	118,509	73,967	99,993	98,363
ILLINOIS	47,080	27,975	41,963	39,311
INDIANA	20	14	20	21
IOWA	250	320	230	385
KANSAS	1,000	1,000	0	0
KENTUCKY	60,010	113,150	45,079	88,640
MASSACHUSETTS	520	2,258	1,900	1,430
MICHIGAN	0	50	6,000	4,740
MISSOURI	15,373	10,483	8,700	17,734
MONTANA	1,560	1,057	0	0
NEVADA	6,712	4,191	1,900	4,660
NEW JERSEY	53,060	63,220	32,057	58,275
NEW MEXICO	80,887	57,554	119,786	98,480
NEW YORK	40,439	21,290	68,495	51,388
OHIO	121,560	143,953	201,427	180,658
OKLAHOMA	0	0	195	119
PENNSYLVANIA	11,413	2,497	13,010	9,450
PUERTO RICO	0	70	0	60
SOUTH CAROLINA	46,952	82,326	58,322	86,020
TENNESSEE	-79,242	-70,126	-274,546	-312,734
TEXAS	23,185	10,922	20,663	27,258
UTAH	150	221	250	140
WASHINGTON	103,190	93,966	121,613	145,854
WEST VIRGINIA	0	0	104	64
ALL OTHER (FOREIGN)	-32	17	0	0
UNDESIGNATED	105,312	91,216	88,820	82,093
TOTAL CONSTRUCTION	\$ 1,086,855	\$ 956,546	\$ 944,340	\$ 961,431

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

ATOMIC ENERGY
 DEFENSE ACTIVITIES

ATOMIC ENERGY
 DEFENSE ACTIVITIES

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UNS.	BILL	MA	BILL
	-----	-----	-----	-----
INERTIAL CONFINEMENT FUSION	144,457	133,546	145,090	145,090
NAVAL REACTORS DEVELOPMENT	297,299	266,799	278,367	271,567
WEAPONS ACTIVITIES	1,525,308	1,412,943	1,656,905	1,618,305
VERIFICATION AND CONTROL TECHNOLOGY	30,155	29,155	37,860	36,660
MATERIALS PRODUCTION	451,762	398,483	482,648	447,246
DEFENSE WASTE MANAGEMENT	275,425	277,942	371,991	406,191
NUCLEAR MATERIALS SECURITY AND SAFEGUARDS	46,619	41,619	46,627	42,627
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY DEFENSE ACTIVITIES	2,771,225	2,562,687	3,022,288	2,967,686
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY DEFENSE ACTIVITIES	\$2,771,225	\$2,562,687	\$3,022,288	\$2,967,686
	=====	=====	=====	=====

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

GENERAL SCIENCE
 AND RESEARCH

BASIC SCIENCES

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BLI	HA	BLI
	-----	-----	-----	-----
LIFE SCIENCES RESEARCH AND BIOMEDICAL APPLICATION	40,795	40,053	42,237	40,037
HIGH ENERGY PHYSICS	297,623	291,023	327,133	310,133
NUCLEAR PHYSICS	93,701	88,961	104,766	102,766
	-----	-----	-----	-----
TOTAL BASIC SCIENCES	432,119	420,037	474,136	452,936
	-----	-----	-----	-----
TOTAL GENERAL SCIENCE AND RESEARCH,	\$432,119	\$420,037	\$474,136	\$452,936
	=====	=====	=====	=====

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

ENERGY SUPPLY RESEARCH
 AND DEVELOPMENT

SOLAR APPLICATIONS

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UHS.	BR	BA	BR
	-----	-----	-----	-----
SOLAR APPLICATIONS	169,302	147,648	126,360	141,510
	-----	-----	-----	-----
TOTAL SOLAR APPLICATIONS	169,302	147,648	126,360	141,510
	-----	-----	-----	-----

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

ENERGY SUPPLY RESEARCH
 AND DEVELOPMENT

SOLAR TECHNOLOGY

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	US\$,	BOI	BA	BOI
	-----	-----	-----	-----
SOLAR TECHNOLOGY	360,111	291,455	383,144	381,144
	-----	-----	-----	-----
TOTAL SOLAR TECHNOLOGY	360,111	291,455	383,144	381,144
	-----	-----	-----	-----

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

ENERGY SUPPLY RESEARCH
 AND DEVELOPMENT

GEOTHERMAL

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
GEOTHERMAL	159,156	136,982	140,927	133,927
TOTAL GEOTHERMAL	159,156	136,982	140,927	133,927

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

ENERGY SUPPLY RESEARCH
 AND DEVELOPMENT

BIOMASS

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	BLI	HA	BLI
	-----	-----	-----	-----
BIOMASS	47,098	27,686	57,838	55,838
	-----	-----	-----	-----
TOTAL BIOMASS	47,098	27,686	57,838	55,838
	-----	-----	-----	-----

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

ENERGY SUPPLY RESEARCH
 AND DEVELOPMENT

HYDROPOWER

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BO	BA	BO
HYDROPOWER	29,116	23,431	18,468	17,568
TOTAL HYDROPOWER	29,116	23,431	18,468	17,568

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

ENERGY SUPPLY RESEARCH
 AND DEVELOPMENT

NUCLEAR

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	DBS.	BU	BA	BU
	-----	-----	-----	-----
CONVERTER	122,041	111,201	104,206	114,606
COMMERCIAL WASTE MANAGEMENT	202,661	166,889	199,449	193,649
SPENT FUEL DISPOSITION	11,457	7,440	20,482	18,482
ADVANCED NUCLEAR SYSTEMS	54,604	54,954	40,298	46,898
BREEDER	751,333	754,333	589,909	611,209
LIGHT WATER REACTOR FACILITIES	10,000	16,600	0	2,800
	-----	-----	-----	-----
TOTAL NUCLEAR	1,152,096	1,111,417	954,344	987,644
	-----	-----	-----	-----

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

ENERGY SUPPLY RESEARCH
 AND DEVELOPMENT

MAGNETIC FUSION

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UHS,	BI.	BA	MLI
	-----	-----	-----	-----
MAGNETIC FUSION	362,285	341,494	364,058	367,158
	-----	-----	-----	-----
TOTAL MAGNETIC FUSION	362,285	341,494	364,058	367,158
	-----	-----	-----	-----

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

ENERGY SUPPLY RESEARCH
 AND DEVELOPMENT

ELECTRIC ENERGY
 SYSTEMS AND STORAGE

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	BIJ	HA	BIJ
	-----	-----	-----	-----
ELECTRIC ENERGY	42,980	39,394	27,466	27,466
ENERGY STORAGE SYSTEMS	60,616	50,354	66,425	63,425
	-----	-----	-----	-----
TOTAL ELECTRIC ENERGY SYSTEMS AND STORAGE	103,596	89,748	93,891	90,891
	-----	-----	-----	-----

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

ENERGY SUPPLY RESEARCH
 AND DEVELOPMENT

ENVIRONMENT

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	DR	DR	DR
	-----	-----	-----	-----
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	220,929	211,661	245,059	235,459
DECONTAMINATION AND DECOMMISSIONING	26,453	23,885	32,599	28,399
	-----	-----	-----	-----
TOTAL ENVIRONMENT	247,382	235,546	277,658	263,858
	-----	-----	-----	-----

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

FEBRUARY 1, 1979

ENERGY SUPPLY RESEARCH
 AND DEVELOPMENT

BASIC RESEARCH

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBRS.	BD	BA	BD
	-----	-----	-----	-----
BASIC ENERGY SCIENCES	214,662	200,372	252,770	249,251
TECHNICAL ASSESSMENTS PROJECTS	7,190	6,090	11,466	10,866
UNIVERSITY RESEARCH SUPPORT	2,952	2,752	9,171	6,171
TECHNOLOGY PROGRAM AND POLICY ANALYSIS	2,057	2,057	2,417	2,417
	-----	-----	-----	-----
TOTAL BASIC RESEARCH	226,861	211,271	275,824	268,705
	-----	-----	-----	-----
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	\$2,857,003	\$2,616,698	\$2,692,512	\$2,708,243
	=====	=====	=====	=====

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

FOSSIL ENERGY RESEARCH
 AND DEVELOPMENT

COAL

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	BO	BA	BO
COAL	700,049	682,599	662,663	665,863
TOTAL COAL	700,049	682,599	662,663	665,863

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

FOSSIL ENERGY RESEARCH
 AND DEVELOPMENT

PETROLEUM

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	BO	BA	BO
PETROLEUM	99,602	100,366	57,386	69,286
TOTAL PETROLEUM	99,602	100,366	57,386	69,286

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS, BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

FOSSIL ENERGY RESEARCH
 AND DEVELOPMENT

GAS

GAS

TOTAL GAS

TOTAL FOSSIL ENERGY RESEARCH
 AND DEVELOPMENT

FY 1979 ESTIMATES		FY 1980 ESTIMATES	
URS.	BA	BA	BA
-----	-----	-----	-----
30,432	40,189	27,593	40,393
-----	-----	-----	-----
30,432	40,189	27,593	40,393
-----	-----	-----	-----
\$830,083	\$823,154	\$747,642	\$775,542
=====	=====	=====	=====

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

URANIUM ENRICHMENT

URANIUM ENRICHMENT	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	(HS, -----	BU -----	HA -----	BU -----
URANIUM ENRICHMENT ACTIVITIES	1,241	64,745	-84,303	-62,401
URANIUM RESOURCE ASSESSMENT	73,437	62,773	84,303	78,603
TOTAL URANIUM ENRICHMENT	----- 74,678	----- 127,518	----- 0	----- 16,202
TOTAL URANIUM ENRICHMENT	----- \$74,678	----- \$127,518	----- \$0	----- \$16,202
	=====	=====	=====	=====

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

ENERGY PRODUCTION,
 DEMONSTRATION AND DISTRIBUTION

COAL

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	BU	BA	BU
	-----	-----	-----	-----
COAL	8,704	3,121	7,020	6,520
	-----	-----	-----	-----
TOTAL COAL	8,704	3,121	7,020	6,520
	-----	-----	-----	-----

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

ENERGY PRODUCTION,
 DEMONSTRATION AND DISTRIBUTION

OIL

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UHS.	BOI	HA	MOI
	-----	-----	-----	-----
OIL	132,246	150,615	82,675	81,175
	-----	-----	-----	-----
TOTAL OIL	132,246	150,615	82,675	81,175
	-----	-----	-----	-----

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

ENERGY PRODUCTION,
 DEMONSTRATION AND DISTRIBUTION

SOLAR

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	B/I	HA	B/I
SOLAR	49,027	17,042	29,236	28,836
TOTAL SOLAR	49,027	17,042	29,236	28,836

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

ENERGY PRODUCTION,
 DEMONSTRATION AND DISTRIBUTION

MULTI-RESOURCE

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UHS.	BU	HA	BU
	-----	-----	-----	-----
MULTI-RESOURCES	14,256	10,206	3,368	2,968
	-----	-----	-----	-----
TOTAL MULTI-RESOURCE	14,256	10,206	3,368	2,968
	-----	-----	-----	-----
TOTAL ENERGY PRODUCTION, DEMONSTRATION AND DISTRIBUTION	\$204,233	\$180,984	\$122,249	\$119,499
	=====	=====	=====	=====

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

SEPTEMBER 31, 1979

ENERGY CONSERVATION

STATE & LOCAL

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	IRS.	ROI	RA	ROI
	-----	-----	-----	-----
ENERGY POLICY AND CONSERVATION GRANT PROGRAM	49,005	49,012	0	12,115
ENERGY CONSERVATION AND PRODUCTION GRANT PROGRAM	20,595	19,139	0	7,536
HOSPITAL AND SCHOOL GRANT PROGRAM	95,050	60,925	4,733	140,962
LOCAL GOVERNMENT BUILDINGS GRANT PROGRAM	55,669	18,704	1,000	17,775
WEATHERIZATION ASSISTANCE PROGRAM	200,000	129,550	200,000	175,000
	-----	-----	-----	-----
TOTAL STATE & LOCAL	420,319	277,330	205,733	353,408
	-----	-----	-----	-----

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

ENERGY CONSERVATION

CONSERVATION MULTI-SECTOR

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BO	BA	BO
	-----	-----	-----	-----
APPROPRIATE TECHNOLOGY	8,388	8,388	9,135	8,835
ENERGY IMPACT ASSISTANCE	2,000	1,000	0	5,000
ENERGY EXTENSION SERVICE	15,000	12,222	0	7,500
INVENTORS PROGRAM	2,000	2,000	3,200	2,500
	-----	-----	-----	-----
TOTAL CONSERVATION MULTI-SECTOR	27,388	23,610	12,335	23,835
	-----	-----	-----	-----

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

ENERGY CONSERVATION

CONSERVATION

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	DBS.	DBI	DBS.	DBI
	-----	-----	-----	-----
BUILDINGS AND COMMUNITY SYSTEMS	91,334	76,987	86,037	74,837
INDUSTRIAL	41,026	38,737	42,267	40,167
TRANSPORTATION	101,424	86,029	96,923	96,923
STATE ENERGY MANAGEMENT AND PLANNING	0	0	110,000	69,250
	-----	-----	-----	-----
TOTAL CONSERVATION	233,784	203,753	337,227	275,177
	-----	-----	-----	-----
TOTAL ENERGY CONSERVATION	\$681,491	\$504,693	\$555,295	\$660,420
	=====	=====	=====	=====

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

STRATEGIC PETROLEUM RESERVE

EMERGENCY PREPAREDNESS

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	0BS.	BII	BA	BII
	-----	-----	-----	-----
PETROLEUM-STRATEGIC PETROLEUM RESERVE	1,473,916	2,367,810	8,391	1,960,700
	-----	-----	-----	-----
TOTAL EMERGENCY PREPAREDNESS	1,473,916	2,367,810	8,391	1,960,700
	-----	-----	-----	-----
TOTAL STRATEGIC PETROLEUM RESERVE	31,473,916	32,367,810	38,391	31,960,700
	=====	=====	=====	=====

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

ENERGY INFORMATION
 ADMINISTRATION

ENERGY INFORMATION

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	BIT	URS.	BIT
ENERGY APPLIED ANALYSIS	14,057	13,257	13,971	15,371
COLLECTION, PRODUCTION, AND DISSEMINATION	43,904	39,654	47,056	49,406
DATA VALIDATION	10,885	8,885	15,884	13,884
DATA INFORMATION SERVICES	10,578	10,578	11,846	11,846
TOTAL ENERGY INFORMATION	79,424	72,374	88,657	90,507
TOTAL ENERGY INFORMATION ADMINISTRATION	\$79,424	\$72,374	\$88,657	\$90,507

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

ECONOMIC REGULATORY
 ADMINISTRATION

REGULATION

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS	BOI	URS	BOI
	-----	-----	-----	-----
COAL UTILIZATION	14,430	13,420	20,333	16,626
UTILITY PROGRAM AND REGULATORY INTERVENTION	19,593	19,204	30,694	26,253
CUMPLIANCE	55,534	55,774	60,428	57,953
REGULATION DEVELOPMENT	2,151	1,863	5,266	4,553
FUELS REGULATION	6,269	5,612	5,166	5,753
EMERGENCY PREPAREDNESS	30,637	10,547	32,600	36,200
OFFICE OF HEARINGS AND APPEALS	2,668	2,668	3,000	2,995
PROGRAM ADMINISTRATION	1,451	1,451	2,159	2,152
	-----	-----	-----	-----
TOTAL REGULATION	132,733	110,539	159,646	156,485
	-----	-----	-----	-----
TOTAL ECONOMIC REGULATORY ADMINISTRATION	\$132,733	\$110,539	\$159,646	\$156,485
	=====	=====	=====	=====

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

FEDERAL ENERGY REGULATORY
 COMMISSION

REGULATION

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UHS.	BLI	BA	BLI
	-----	-----	-----	-----
OIL REGULATION	5,138	4,138	4,973	4,542
GAS REGULATION	33,781	31,559	41,365	38,931
HYDRO REGULATION	10,900	10,207	12,520	11,779
MULTI-RESOURCE REGULATION	14,011	13,127	15,079	14,304
	-----	-----	-----	-----
TOTAL REGULATION	63,830	59,031	73,937	69,606
	-----	-----	-----	-----
TOTAL FEDERAL ENERGY REGULATORY COMMISSION	363,830	359,031	373,937	369,606
	=====	=====	=====	=====

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

SPECIAL FOREIGN CURRENCY

SPECIAL FOREIGN CURRENCY

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BILL	MA	NO
	-----	-----	-----	-----
INTERNATIONAL AFFAIRS	2,000	1,500	0	433
OTHER FOREIGN CURRENCY	0	1,000	0	0
TOTAL SPECIAL FOREIGN CURRENCY	2,000	2,500	0	433
TOTAL SPECIAL FOREIGN CURRENCY	2,000	2,500	0	433

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

GEOHERMAL RESOURCES
 DEVELOPMENT FUND

GEOHERMAL RESOURCES
 DEVELOPMENT FUND

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	0HS.	BU	BA	BU
	-----	-----	-----	-----
GEOHERMAL RESOURCES DEVELOPMENT FUND	44,242	6,298	6,288	1,000
	-----	-----	-----	-----
TOTAL GEOHERMAL RESOURCES DEVELOPMENT FUND	44,242	6,298	6,288	1,000
	-----	-----	-----	-----
TOTAL GEOHERMAL RESOURCES DEVELOPMENT FUND	\$44,242	\$6,298	\$6,288	\$1,000
	=====	=====	=====	=====

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

ALASKA POWER ADMINISTRATION -
 OPERATION AND MAINTENANCE

POWER MARKETING

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UHS.	BU	BA	BU
POWER MARKETING	2,754	2,582	2,000	2,000
TOTAL POWER MARKETING	2,754	2,582	2,000	2,000
TOTAL ALASKA POWER ADMINISTRATION - OPERATION AND MAINTENANCE	\$2,754	\$2,582	\$2,000	\$2,000

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

BONNEVILLE POWER ADMINISTRATION

POWER MARKETING

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BILL	MA	BILL
POWER MARKETING	0	73,500	0	-88,600
TOTAL POWER MARKETING	0	73,500	0	-88,600
TOTAL BONNEVILLE POWER ADMINISTRATION	50	573,500	50	-388,600

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

SOUTHEASTERN POWER ADMIN. -
 OPERATION AND MAINTENANCE

POWER MARKETING

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBIS.	OB	OB	OB
POWER MARKETING	1,253	1,249	1,400	1,394
TOTAL POWER MARKETING	1,253	1,249	1,400	1,394
TOTAL SOUTHEASTERN POWER ADMIN. - OPERATION AND MAINTENANCE	\$1,253	\$1,249	\$1,400	\$1,394

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

SOUTHWESTERN POWER ADMIN. -
 OPERATION AND MAINTENANCE

POWER MARKETING

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	DBS.	BA	BA	BA
POWER MARKETING	36,077	33,077	32,180	32,180
TOTAL POWER MARKETING	36,077	33,077	32,180	32,180
TOTAL SOUTHWESTERN POWER ADMIN. - OPERATION AND MAINTENANCE	\$36,077	\$33,077	\$32,180	\$32,180

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
 (IN THOUSANDS)

JANUARY 31, 1979

POWER MARKETING FUND -
 WESTERN AREA POWER ADMIN.

POWER MARKETING

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	1005.	011	00A	01
	-----	-----	-----	-----
POWER MARKETING	106,786	105,086	128,152	128,152
	-----	-----	-----	-----
TOTAL POWER MARKETING	106,786	105,086	128,152	128,152
	-----	-----	-----	-----
TOTAL POWER MARKETING FUND - WESTERN AREA POWER ADMIN.	\$106,786	\$105,086	\$128,152	\$128,152
	=====	=====	=====	=====

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
TOTAL ESTIMATED OBLIGATIONS AND COSTS BY APPROPRIATION
(IN THOUSANDS)

FEBRUARY 1, 1979

DEPARTMENTAL ADMINISTRATION

POLICY & MANAGEMENT

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BI	HA	BI
	-----	-----	-----	-----
POLICY ANALYSIS AND SYSTEMS STUDIES	14,576	14,576	18,500	18,500
INTERNATIONAL AFFAIRS	4,150	3,645	3,500	3,500
MANAGEMENT AND SUPPORT	251,538	276,342	248,513	248,513
INTERGOVERNMENTAL AND INSTITUTIONAL RELATIONS	33,267	33,267	36,416	35,916
IN-HOUSE ENERGY MANAGEMENT	25,055	8,430	41,000	34,500
SECURITY INVESTIGATIONS	14,660	14,560	16,400	16,400
PLANT ENGINEERING AND DESIGN	12,656	5,428	9,000	8,000
GENERAL PURPOSE FACILITIES	15,064	8,000	0	6,600
COST OF WORK FOR OTHERS	22,600	21,400	24,994	24,994
MISCELLANEOUS REVENUES	-112,900	-112,900	-109,754	-109,754
CHANGES IN INVENTORIES, WORKING CAPITAL	10,000	25,038	19,260	19,760
	-----	-----	-----	-----
TOTAL POLICY & MANAGEMENT	290,666	297,786	307,829	306,929
	-----	-----	-----	-----
TOTAL DEPARTMENTAL ADMINISTRATION	\$290,666	\$297,786	\$307,829	\$306,929
	=====	=====	=====	=====
	-----	-----	-----	-----
TOTAL DEPARTMENT OF ENERGY	\$10,084,513	\$10,368,203	\$8,423,314	\$10,362,378
	=====	=====	=====	=====

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF ALABAMA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	QBS.	BO	HA	BO
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	115	150	0	0
GEOTHERMAL				
GEOTHERMAL	30	30	0	0
BIOMASS				
BIOMASS	250	250	250	250
BASIC RESEARCH				
BASIC ENERGY SCIENCES	46	46	50	50
TECHNICAL ASSESSMENTS				
PROJECTS	650	500	0	0
UNIVERSITY RESEARCH				
SUPPORT	100	100	100	100
TOTAL OPERATING EXPENSES	1,191	1,076	400	400
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	1,191	1,076	400	400
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	5,190	6,580	0	661
TOTAL OPERATING EXPENSES	5,190	6,580	0	661
CONSTRUCTION				
COAL				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF ALABAMA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS,	BO	BA	BO
	-----	-----	-----	-----
COAL	500	500	0	0
TOTAL CONSTRUCTION	500	500	0	0
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	5,690	7,080	0	661
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND CONSERVATION GRANT PROGRAM	801	801	0	200
ENERGY CONSERVATION AND PRODUCTION GRANT PROGRAM	342	318	0	130
HOSPITAL AND SCHOOL GRANT PROGRAM	1,552	988	0	2,004
LOCAL GOVERNMENT BUILDINGS GRANT PROGRAM	895	296	0	251
WEATHERIZATION ASSISTANCE PROGRAM	1,544	1,003	1,544	1,351
CONSERVATION				
INDUSTRIAL	100	100	106	106
STATE ENERGY MANAGEMENT AND PLANNING	0	0	1,694	1,118
TOTAL OPERATING EXPENSES	5,234	3,506	3,344	5,160
TOTAL ENERGY CONSERVATION	5,234	3,506	3,344	5,160
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION UTILITY PROGRAM AND				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF ALABAMA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UHS.	BU	HA	BU
REGULATORY INTERVENTION	192	39	192	192
TOTAL OPERATING EXPENSES	192	39	192	192
TOTAL ECONOMIC REGULATORY ADMINISTRATION	192	39	192	192
TOTAL ALABAMA	\$ 12,307	\$ 11,701	\$ 3,436	\$ 6,413

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JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF ALASKA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS,	BU	BA	BU
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	200	200	0	0
GEOHERMAL				
GEOHERMAL	402	402	150	150
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	100	98	169	166
BASIC RESEARCH				
BASIC ENERGY SCIENCES	95	145	115	115
TOTAL OPERATING EXPENSES	797	845	434	431
CAPITAL EQUIPMENT				
GEOHERMAL				
GEOHERMAL	85	42	0	43
TOTAL CAPITAL EQUIPMENT	85	42	0	43
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	882	887	434	474
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND CONSERVATION GRANT PROGRAM	275	275	0	69
ENERGY CONSERVATION AND PRODUCTION GRANT PROGRAM	116	108	0	44

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF ALASKA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	U89.	80	80	80
	-----	-----	-----	-----
HOSPITAL AND SCHOOL				
GRANT PROGRAM	943	600	0	816
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	543	180	0	110
WEATHERIZATION ASSISTANCE				
PROGRAM	1,022	664	1,022	894
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	100	85	95	80
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	579	382
TOTAL OPERATING EXPENSES	2,999	1,912	1,696	2,395
TOTAL ENERGY CONSERVATION	2,999	1,912	1,696	2,395
ECONOMIC REGULATORY				
ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	39	192	192
TOTAL OPERATING EXPENSES	192	39	192	192
TOTAL ECONOMIC REGULATORY				
ADMINISTRATION	192	39	192	192
ALASKA POWER ADMINISTRATION -				
OPERATION AND MAINTENANCE				
OPERATING EXPENSES				
POWER MARKETING				
POWER MARKETING	2,754	2,582	2,660	2,660

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF ALASKA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	089.	80	8A	8U
TOTAL OPERATING EXPENSES	2,754	2,582	2,660	2,660
TOTAL ALASKA POWER ADMINISTRATION - OPERATION AND MAINTENANCE	2,754	2,582	2,660	2,660
TOTAL ALASKA	\$ 6,827	\$ 5,420	\$ 4,982	\$ 5,721

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JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS FOR ALL OTHER (FOREIGN)
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	HD	HA	BO
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES	3	3	3	3
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	3	3	3	3
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY				
DEFENSE ACTIVITIES	3	3	3	3
	-----	-----	-----	-----
GENERAL SCIENCE				
AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH				
AND BIOMEDICAL APPLICATION	15	15	15	15
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	15	15	15	15
	-----	-----	-----	-----
TOTAL GENERAL SCIENCE				
AND RESEARCH	15	15	15	15
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH				
AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	880	885	2,000	2,000
MAGNETIC FUSION				
MAGNETIC FUSION	0	0	110	110

JANUARY 31, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS FOR ALL OTHER (FOREIGN)
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UHS.	MO	MA	MO
	-----	-----	-----	-----
ELECTRIC ENERGY SYSTEMS AND STORAGE ENERGY STORAGE SYSTEMS	310	310	370	370
ENVIRONMENT ENVIRONMENTAL RESEARCH AND DEVELOPMENT	6,695	6,528	8,440	8,249
TOTAL OPERATING EXPENSES	7,885	7,723	10,920	10,729
CONSTRUCTION				
ENVIRONMENT ENVIRONMENTAL RESEARCH AND DEVELOPMENT	-32	17	0	0
TOTAL CONSTRUCTION	-32	17	0	0
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	7,853	7,740	10,920	10,729
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL COAL	5,170	2,200	0	3,050
TOTAL OPERATING EXPENSES	5,170	2,200	0	3,050
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	5,170	2,200	0	3,050
ENERGY CONSERVATION				
OPERATING EXPENSES				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS FOR ALL OTHER (FOREIGN)
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BO	BA	BO
	-----	-----	-----	-----
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	877	877	0	219
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	282	262	0	107
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	875	295	0	190
CONSERVATION				
TRANSPORTATION	150	120	150	100
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	2,318	1,516
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	2,184	1,554	2,468	2,132
	-----	-----	-----	-----
TOTAL ENERGY CONSERVATION	2,184	1,554	2,468	2,132
	-----	-----	-----	-----
SPECIAL FOREIGN CURRENCY				
OPERATING EXPENSES				
SPECIAL FOREIGN CURRENCY				
OTHER FOREIGN				
CURRENCY	0	1,000	0	0
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	0	1,000	0	0
	-----	-----	-----	-----
TOTAL SPECIAL FOREIGN CURRENCY	0	1,000	0	0
	-----	-----	-----	-----
TOTAL ALL OTHER (FOREIGN)	\$ 15,225	\$ 12,512	\$ 13,406	\$ 15,929
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JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF ARIZONA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	BO	BA	BO
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	73	73	0	0
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	73	73	0	0
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY				
DEFENSE ACTIVITIES	73	73	0	0
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH				
AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	50	471	0	0
GEOTHERMAL				
GEOTHERMAL	395	451	250	250
BIOMASS				
BIOMASS	100	100	100	100
NUCLEAR				
CONVERTER	25	25	60	60
MAGNETIC FUSION				
MAGNETIC FUSION	60	60	70	70
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	42	41	162	159
BASIC RESEARCH				
BASIC ENERGY SCIENCES	301	301	329	329

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF ARIZONA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BO	BA	BT
TOTAL OPERATING EXPENSES	973	1,449	971	968
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	973	1,449	971	968
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND CONSERVATION GRANT PROGRAM	574	574	0	144
ENERGY CONSERVATION AND PRODUCTION GRANT PROGRAM	246	229	0	83
HOSPITAL AND SCHOOL GRANT PROGRAM	1,134	721	0	1,432
LOCAL GOVERNMENT BUILDINGS GRANT PROGRAM	653	216	0	180
WEATHERIZATION ASSISTANCE PROGRAM	614	399	614	537
CONSERVATION				
INDUSTRIAL	90	90	95	95
STATE ENERGY MANAGEMENT AND PLANNING	0	0	1,212	800
TOTAL OPERATING EXPENSES	3,311	2,229	1,921	3,271
TOTAL ENERGY CONSERVATION	3,311	2,229	1,921	3,271
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND REGULATORY INTERVENTION	192	39	192	192

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF ARIZONA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	DHS.	BO	BA	BO
TOTAL OPERATING EXPENSES	192	39	192	192
TOTAL ECONOMIC REGULATORY ADMINISTRATION	192	39	192	192
POWER MARKETING FUND - WESTERN AREA POWER ADMIN.				
OPERATING EXPENSES				
POWER MARKETING	18,974	7,302	8,568	8,568
POWER MARKETING				
TOTAL OPERATING EXPENSES	18,974	7,302	8,568	8,568
TOTAL POWER MARKETING FUND - WESTERN AREA POWER ADMIN.	18,974	7,302	8,568	8,568
TOTAL ARIZONA	\$ 23,523	\$ 11,092	\$ 11,652	\$ 12,999

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JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF ARKANSAS
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OB.	BO	BA	BO
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	897	397	0	500
NUCLEAR				
CONVERTER	1,000	1,000	2,300	2,000
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	15	15	16	16
TOTAL OPERATING EXPENSES	1,912	1,412	2,316	2,516
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	1,912	1,412	2,316	2,516
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND CONSERVATION GRANT PROGRAM	552	552	0	138
ENERGY CONSERVATION AND PRODUCTION GRANT PROGRAM	235	219	0	89
HOSPITAL AND SCHOOL GRANT PROGRAM	1,096	697	0	1,333
LOCAL GOVERNMENT BUILDINGS GRANT PROGRAM	631	209	0	168
WEATHERIZATION ASSISTANCE PROGRAM	1,304	847	1,304	1,141
CONSERVATION				
STATE ENERGY MANAGEMENT AND PLANNING	0	0	1,166	700

JANUARY 31, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF ARKANSAS
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BU	BA	HU
TOTAL OPERATING EXPENSES	3,818	2,524	2,470	3,569
TOTAL ENERGY CONSERVATION	3,818	2,524	2,470	3,569
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	179	192	192
COMPLIANCE	0	0	858	600
TOTAL OPERATING EXPENSES	192	179	1,050	792
TOTAL ECONOMIC REGULATORY ADMINISTRATION	192	179	1,050	792
SOUTHWESTERN POWER ADMIN. - OPERATION AND MAINTENANCE				
OPERATING EXPENSES				
POWER MARKETING				
POWER MARKETING	15,361	13,853	14,419	14,419
TOTAL OPERATING EXPENSES	15,361	13,853	14,419	14,419
TOTAL SOUTHWESTERN POWER ADMIN. - OPERATION AND MAINTENANCE	15,361	13,853	14,419	14,419
TOTAL ARKANSAS	\$ 21,283	\$ 17,968	\$ 20,255	\$ 21,296

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF CALIFORNIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	0BS.	BU	HA	BU
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	44,554	43,454	43,750	45,050
WEAPONS ACTIVITIES	192,237	191,667	206,745	202,470
VERIFICATION AND				
CONTROL TECHNOLOGY	6,175	5,825	6,800	6,600
DEFENSE WASTE				
MANAGEMENT	245	225	147	155
NUCLEAR MATERIALS				
SECURITY AND SAFEGUARDS	230	180	300	250
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	243,441	241,351	257,742	254,525
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	3,205	3,102	2,980	2,780
WEAPONS ACTIVITIES	20,592	16,421	21,437	24,695
VERIFICATION AND				
CONTROL TECHNOLOGY	0	0	200	200
DEFENSE WASTE				
MANAGEMENT	45	45	4	4
NUCLEAR MATERIALS				
SECURITY AND SAFEGUARDS	100	80	30	60
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	23,942	19,648	24,651	27,739
	-----	-----	-----	-----
CONSTRUCTION				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	20,000	7,500	15,000	12,100
WEAPONS ACTIVITIES	23,063	16,515	8,700	13,976

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF CALIFORNIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
TOTAL CONSTRUCTION	43,063	26,015	23,700	26,076
TOTAL ATOMIC ENERGY DEFENSE ACTIVITIES	310,446	287,014	306,093	308,340
GENERAL SCIENCE AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH AND BIOMEDICAL APPLICATION	10,578	10,450	10,287	9,903
HIGH ENERGY PHYSICS	53,650	53,337	67,280	66,645
NUCLEAR PHYSICS	17,495	17,281	18,820	18,355
TOTAL OPERATING EXPENSES	81,723	81,068	96,387	94,903
CAPITAL EQUIPMENT				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH AND BIOMEDICAL APPLICATION	260	200	450	240
HIGH ENERGY PHYSICS	19,086	16,193	11,500	9,900
NUCLEAR PHYSICS	2,665	2,310	2,365	2,325
TOTAL CAPITAL EQUIPMENT	22,011	18,703	14,315	12,465
CONSTRUCTION				
BASIC SCIENCES				
HIGH ENERGY PHYSICS	17,100	28,334	2,100	8,093
NUCLEAR PHYSICS	8,650	3,637	2,800	6,181
TOTAL CONSTRUCTION	25,750	31,976	4,900	14,274
TOTAL GENERAL SCIENCE				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF CALIFORNIA
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	Obs.	BO	HA	BO
	-----	-----	-----	-----
AND RESEARCH	129,484	131,747	115,602	121,642
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR APPLICATIONS				
SOLAR APPLICATIONS	8,706	9,549	18,163	17,239
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	56,785	47,323	52,910	51,435
GEO THERMAL				
GEO THERMAL	20,750	19,944	15,333	15,367
BIOMASS				
BIOMASS	2,880	2,411	2,380	2,190
NUCLEAR				
CONVERTER	45,750	45,750	20,500	22,405
COMMERCIAL WASTE MANAGEMENT	190	190	0	0
SPENT FUEL DISPOSITION	640	640	0	0
ADVANCED NUCLEAR SYSTEMS	585	870	285	285
BREEDER	52,823	54,284	38,899	38,392
MAGNETIC FUSION				
MAGNETIC FUSION	79,874	79,744	72,388	72,388
ELECTRIC ENERGY SYSTEMS AND STORAGE				
ELECTRIC ENERGY	1,722	2,581	1,475	2,097
ENERGY STORAGE SYSTEMS	12,142	10,130	12,830	13,290
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF CALIFORNIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	BU	FA	BU
	-----	-----	-----	-----
AND DEVELOPMENT	24,651	24,052	27,028	26,003
DECONTAMINATION AND				
DECOMMISSIONING	2,305	2,250	1,563	1,500
BASIC RESEARCH				
BASIC ENERGY SCIENCES	24,912	24,373	29,240	28,531
TECHNICAL ASSESSMENTS				
PROJECTS	353	353	300	300
UNIVERSITY RESEARCH				
SUPPORT	300	300	175	175
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	335,368	324,744	293,469	291,597
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
SOLAR APPLICATIONS				
SOLAR APPLICATIONS	200	200	0	0
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	952	791	0	1,029
GEOTHERMAL				
GEOTHERMAL	634	997	0	305
BIOMASS				
BIOMASS	230	100	0	130
NUCLEAR				
CONVERTER	5,490	4,550	5,100	4,215
ADVANCED NUCLEAR				
SYSTEMS	80	80	0	0
BREEDER	2,641	1,759	1,870	3,586
MAGNETIC FUSION				
MAGNETIC FUSION	6,694	6,779	7,585	7,600
ELECTRIC ENERGY				
SYSTEMS AND STORAGE				
ELECTRIC ENERGY	373	173	0	8
ENERGY STORAGE				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF CALIFORNIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	HO	BA	HO
	-----	-----	-----	-----
SYSTEMS	255	375	300	150
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	3,035	2,458	3,374	2,747
DECONTAMINATION AND				
DECOMMISSIONING	20	15	35	20
BASIC RESEARCH				
BASIC ENERGY SCIENCES	1,625	1,530	2,103	2,011
TOTAL CAPITAL EQUIPMENT	22,229	19,805	20,367	21,801
	-----	-----	-----	-----
CONSTRUCTION				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	70,882	27,000	36,500	50,000
NUCLEAR				
CONVERTER	0	0	400	200
BREEDER	8,094	7,213	7,660	7,245
MAGNETIC FUSION				
MAGNETIC FUSION	40,000	19,900	33,200	20,500
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	1,026	1,920	2,000	1,896
BASIC RESEARCH				
BASIC ENERGY SCIENCES	8,872	5,200	6,300	5,600
TOTAL CONSTRUCTION	128,874	59,233	86,060	85,441
	-----	-----	-----	-----
TOTAL ENERGY SUPPLY RESEARCH				
AND DEVELOPMENT	486,471	403,782	399,896	398,839
	-----	-----	-----	-----
FOSSIL ENERGY RESEARCH				
AND DEVELOPMENT				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF CALIFORNIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BO	BA	BO
	-----	-----	-----	-----
OPERATING EXPENSES				
COAL				
COAL	21,556	18,227	17,777	18,746
PETROLEUM				
PETROLEUM	5,838	5,240	3,000	4,795
GAS				
GAS	750	675	1,300	1,300
TOTAL OPERATING EXPENSES	28,144	24,142	22,077	24,841
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
COAL				
COAL	188	373	50	85
PETROLEUM				
PETROLEUM	100	222	150	87
GAS				
GAS	0	11	0	0
TOTAL CAPITAL EQUIPMENT	288	606	200	172
	-----	-----	-----	-----
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	28,432	24,748	22,277	25,013
	-----	-----	-----	-----
URANIUM ENRICHMENT				
OPERATING EXPENSES				
URANIUM ENRICHMENT				
URANIUM ENRICHMENT				
ACTIVITIES	16,561	16,461	16,774	18,331
URANIUM RESOURCE				
ASSESSMENT	0	100	0	0

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF CALIFORNIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
TOTAL OPERATING EXPENSES	16,561	16,561	16,774	16,551
CAPITAL EQUIPMENT				
URANIUM ENRICHMENT				
URANIUM ENRICHMENT				
ACTIVITIES	1,460	770	1,855	1,815
URANIUM RESOURCE				
ASSESSMENT	0	190	0	0
TOTAL CAPITAL EQUIPMENT	1,460	960	1,855	1,815
CONSTRUCTION				
URANIUM ENRICHMENT				
URANIUM ENRICHMENT				
ACTIVITIES	9,695	38,770	100,028	71,458
TOTAL CONSTRUCTION	9,695	38,770	100,028	71,458
TOTAL URANIUM ENRICHMENT	27,716	56,291	118,657	91,604
ENERGY PRODUCTION, DEMONSTRATION AND DISTRIBUTION				
OPERATING EXPENSES				
OIL				
OIL	96,543	127,232	55,551	55,640
SOLAR				
SOLAR	289	289	289	289
TOTAL OPERATING EXPENSES	96,832	127,521	55,840	55,929
TOTAL ENERGY PRODUCTION, DEMONSTRATION AND DISTRIBUTION	96,832	127,521	55,840	55,929

JANUARY 31, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF CALIFORNIA
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG,	BU	BA	BU
	-----	-----	-----	-----
	-----	-----	-----	-----
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	3,690	3,690	0	923
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	1,571	1,461	0	597
HOSPITAL AND SCHOOL				
GRANT PROGRAM	6,945	4,417	0	7,005
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	4,013	1,299	0	917
WEATHERIZATION ASSISTANCE				
PROGRAM	6,138	3,990	6,138	5,371
CONSERVATION MULTI-SECTOR				
APPROPRIATE TECHNOLOGY	775	775	882	882
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	9,749	8,382	11,065	9,888
INDUSTRIAL	3,221	4,221	3,415	4,326
TRANSPORTATION	14,324	12,349	11,740	10,440
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	7,835	4,171
TOTAL OPERATING EXPENSES	50,426	40,584	41,075	44,520
CAPITAL EQUIPMENT				
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	55	40	30	15
TOTAL CAPITAL EQUIPMENT	55	40	30	15
TOTAL ENERGY CONSERVATION	50,481	40,624	41,105	44,535

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF CALIFORNIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BO	HA	BO
ENERGY INFORMATION ADMINISTRATION				
OPERATING EXPENSES				
ENERGY INFORMATION				
DATA VALIDATION	2,000	1,600	500	400
DATA INFORMATION				
SERVICES	175	175	175	175
TOTAL OPERATING EXPENSES	2,175	1,775	675	575
TOTAL ENERGY INFORMATION ADMINISTRATION	2,175	1,775	675	575
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
COAL UTILIZATION	198	263	247	247
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	382	994	382	382
COMPLIANCE	5,932	5,598	7,028	6,724
FUELS REGULATION	258	258	182	182
EMERGENCY PREPAREDNESS	0	191	0	0
OFFICE OF HEARINGS AND APPEALS	27	27	27	27
TOTAL OPERATING EXPENSES	6,797	7,331	7,866	7,562
TOTAL ECONOMIC REGULATORY ADMINISTRATION	6,797	7,331	7,866	7,562
FEDERAL ENERGY REGULATORY COMMISSION				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF CALIFORNIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	RU	BA	BU
	-----	-----	-----	-----
OPERATING EXPENSES				
REGULATION				
HYDRO REGULATION	810	758	810	762
MULTI-RESOURCE REGULATION	270	253	270	256
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	1,080	1,011	1,080	1,018
	-----	-----	-----	-----
TOTAL FEDERAL ENERGY REGULATORY COMMISSION	1,080	1,011	1,080	1,018
	-----	-----	-----	-----
GEOTHERMAL RESOURCES DEVELOPMENT FUND				
OPERATING EXPENSES				
GEOTHERMAL RESOURCES DEVELOPMENT FUND				
GEOTHERMAL RESOURCES DEVELOPMENT FUND	950	950	700	412
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	950	950	700	412
	-----	-----	-----	-----
TOTAL GEOTHERMAL RESOURCES DEVELOPMENT FUND	950	950	700	412
	-----	-----	-----	-----
POWER MARKETING FUND - WESTERN AREA POWER ADMIN.				
OPERATING EXPENSES				
POWER MARKETING				
POWER MARKETING	14,550	15,343	19,721	19,721
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	14,550	15,343	19,721	19,721
	-----	-----	-----	-----
TOTAL POWER MARKETING FUND - WESTERN AREA POWER ADMIN.	14,550	15,343	19,721	19,721

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF CALIFORNIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
	-----	-----	-----	-----
	-----	-----	-----	-----
DEPARTMENTAL ADMINISTRATION				
OPERATING EXPENSES				
POLICY & MANAGEMENT				
POLICY ANALYSIS				
AND SYSTEMS STUDIES	719	819	550	550
INTERNATIONAL AFFAIRS	100	50	100	100
MANAGEMENT AND SUPPORT	13,436	13,436	13,900	13,900
INTERGOVERNMENTAL AND				
INSTITUTIONAL RELATIONS	435	435	357	357
IN-HOUSE ENERGY				
MANAGEMENT	325	95	450	680
COST OF WORK				
FOR OTHERS	2,499	2,440	1,790	1,790
MISCELLANEOUS				
REVENUES	-2,520	-2,520	-1,815	-1,815
CHANGES IN INVENTORIES,				
WORKING CAPITAL	-21	-170	877	877
TOTAL OPERATING EXPENSES	14,973	14,585	16,209	16,439
CAPITAL EQUIPMENT				
POLICY & MANAGEMENT				
MANAGEMENT AND SUPPORT	100	100	100	100
INTERGOVERNMENTAL AND				
INSTITUTIONAL RELATIONS	0	10	0	0
TOTAL CAPITAL EQUIPMENT	100	110	100	100
CONSTRUCTION				
POLICY & MANAGEMENT				
IN-HOUSE ENERGY				
MANAGEMENT	376	120	3,732	2,496
PLANT ENGINEERING				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF CALIFORNIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	US\$,	BU	BA	BU
	-----	-----	-----	-----
AND DESIGN	1,341	655	0	0
TOTAL CONSTRUCTION	1,717	775	3,732	2,496
TOTAL DEPARTMENTAL ADMINISTRATION	16,790	15,470	20,041	19,035
TOTAL CALIFORNIA	\$ 1,172,204	\$ 1,113,607	\$ 1,109,553	\$ 1,094,225
	=====	=====	=====	=====

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF COLORADO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	US\$,	80	BA	80
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES	84,466	81,031	91,191	89,311
DEFENSE WASTE				
MANAGEMENT	1,949	1,830	5,493	4,410
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	86,415	82,861	96,684	93,721
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES	3,775	3,115	3,700	3,800
DEFENSE WASTE				
MANAGEMENT	235	113	193	193
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	4,010	3,228	3,893	3,993
	-----	-----	-----	-----
CONSTRUCTION				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES	62,570	34,045	25,500	35,061
	-----	-----	-----	-----
TOTAL CONSTRUCTION	62,570	34,045	25,500	35,061
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY				
DEFENSE ACTIVITIES	152,995	120,134	126,077	132,775
	-----	-----	-----	-----
GENERAL SCIENCE				
AND RESEARCH				
OPERATING EXPENSES				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF COLORADO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	BU	BA.	BU
	-----	-----	-----	-----
BASIC SCIENCES				
LIFE SCIENCES RESEARCH AND BIOMEDICAL APPLICATION	80	80	88	85
HIGH ENERGY PHYSICS	325	325	350	350
NUCLEAR PHYSICS	190	187	200	198
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	595	592	638	633
	-----	-----	-----	-----
TOTAL GENERAL SCIENCE AND RESEARCH	595	592	638	633
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	61,667	60,782	66,460	62,480
GEOTHERMAL				
GEOTHERMAL	778	816	875	875
BIOMASS				
BIOMASS	6,000	5,000	6,700	6,500
NUCLEAR				
COMMERCIAL WASTE MANAGEMENT	259	250	85	85
ADVANCED NUCLEAR SYSTEMS	0	293	0	100
MAGNETIC FUSION				
MAGNETIC FUSION	350	350	350	350
ELECTRIC ENERGY SYSTEMS AND STORAGE				
ENERGY STORAGE SYSTEMS	391	341	540	540

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF COLORADO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
	-----	-----	-----	-----
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	2,327	2,276	1,992	1,950
DECONTAMINATION AND DECOMMISSIONING	2,871	1,800	343	1,785
BASIC RESEARCH				
BASIC ENERGY SCIENCES	1,938	1,910	2,066	2,060
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	76,581	73,818	79,411	76,725
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	2,950	708	2,200	2,537
GEOTHERMAL				
GEOTHERMAL	0	68	0	0
BIOMASS				
BIOMASS	250	200	250	250
NUCLEAR				
COMMERCIAL WASTE MANAGEMENT	50	50	42	42
BREEDER	0	165	0	165
ELECTRIC ENERGY SYSTEMS AND STORAGE				
ENERGY STORAGE SYSTEMS	0	0	100	50
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	33	20	0	13
BASIC RESEARCH				
BASIC ENERGY SCIENCES	0	0	23	22
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	3,283	1,211	2,615	3,079

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF COLORADO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	008.	00	0A	00
CONSTRUCTION				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	3,000	2,000	29,140	24,140
TOTAL CONSTRUCTION	3,000	2,000	29,140	24,140
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	82,864	77,029	111,166	103,944
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	5,840	3,375	405	3,905
PETROLEUM				
PETROLEUM	55	13	0	0
GAS				
GAS	0	250	0	0
TOTAL OPERATING EXPENSES	5,895	3,638	405	3,905
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	5,895	3,638	405	3,905
URANIUM ENRICHMENT				
OPERATING EXPENSES				
URANIUM ENRICHMENT				
URANIUM RESOURCE ASSESSMENT	60,127	49,181	64,749	65,579

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF COLORADO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OMB,	BO	BA	BO
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	60,127	49,181	69,749	65,379
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
URANIUM ENRICHMENT				
URANIUM RESOURCE				
ASSESSMENT	1,613	2,054	2,379	1,913
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	1,613	2,054	2,379	1,913
	-----	-----	-----	-----
CONSTRUCTION				
URANIUM ENRICHMENT				
URANIUM RESOURCE				
ASSESSMENT	1,500	400	2,500	1,400
	-----	-----	-----	-----
TOTAL CONSTRUCTION	1,500	400	2,500	1,400
	-----	-----	-----	-----
TOTAL URANIUM ENRICHMENT	63,240	51,635	74,628	68,692
	-----	-----	-----	-----
ENERGY PRODUCTION, DEMONSTRATION AND DISTRIBUTION				
OPERATING EXPENSES				
OIL				
OIL	1,336	1,464	2,033	2,033
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	1,336	1,464	2,033	2,033
	-----	-----	-----	-----
TOTAL ENERGY PRODUCTION, DEMONSTRATION AND DISTRIBUTION	1,336	1,464	2,033	2,033
	-----	-----	-----	-----
ENERGY CONSERVATION				
OPERATING EXPENSES				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF COLORADO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	BO	BA	BU
	-----	-----	-----	-----
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	626	626	0	157
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	267	248	0	100
HOSPITAL AND SCHOOL				
GRANT PROGRAM	1,362	866	0	2,084
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	783	260	0	255
WEATHERIZATION ASSISTANCE				
PROGRAM	4,331	2,815	4,331	3,790
CONSERVATION MULTI-SECTOR				
APPROPRIATE TECHNOLOGY	394	394	306	306
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	1,650	1,415	0	0
INDUSTRIAL	0	47	0	0
TRANSPORTATION	2	2	0	0
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	1,324	874
TOTAL OPERATING EXPENSES	9,415	6,673	5,961	7,566
TOTAL ENERGY CONSERVATION	9,415	6,673	5,961	7,566
ECONOMIC REGULATORY				
ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
COAL UTILIZATION	65	65	80	80
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	39	193	192
COMPLIANCE	2,025	1,959	1,694	1,760
FUELS REGULATION	84	84	60	60
TOTAL OPERATING EXPENSES	2,366	2,147	2,027	2,092

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF COLORADO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BO	HA	BO
TOTAL ECONOMIC REGULATORY ADMINISTRATION	2,366	2,147	2,027	2,092
POWER MARKETING FUND - WESTERN AREA POWER ADMIN.				
OPERATING EXPENSES				
POWER MARKETING	11,169	4,615	10,565	10,565
TOTAL OPERATING EXPENSES	11,169	4,615	10,565	10,565
TOTAL POWER MARKETING FUND - WESTERN AREA POWER ADMIN.	11,169	4,615	10,565	10,565
DEPARTMENTAL ADMINISTRATION				
OPERATING EXPENSES				
POLICY & MANAGEMENT				
MANAGEMENT AND SUPPORT	1,421	1,421	1,325	1,325
IN-HOUSE ENERGY	90	50	85	125
MANAGEMENT				
MISCELLANEOUS				
REVENUES	-8,700	-8,700	-11,500	-11,500
CHANGES IN INVENTORIES, WORKING CAPITAL	0	0	1	1
TOTAL OPERATING EXPENSES	-7,189	-7,229	-10,089	-10,049
CONSTRUCTION				
POLICY & MANAGEMENT				
IN-HOUSE ENERGY	1,130	360	47	687
MANAGEMENT				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF COLORADO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS,	80	BA	80
	-----	-----	-----	-----
TOTAL CONSTRUCTION	1,130	360	47	687
TOTAL DEPARTMENTAL ADMINISTRATION	-6,059	-6,869	-10,042	-9,362
TOTAL COLORADO	\$ 323,816	\$ 261,058	\$ 323,458	\$ 322,843
	=====	=====	=====	=====

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF CONNECTICUT
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BO	BA	BO
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
NAVAL REACTORS				
DEVELOPMENT	5,384	5,218	5,942	5,761
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	5,384	5,218	5,942	5,761
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
NAVAL REACTORS				
DEVELOPMENT	400	300	1,000	400
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	400	300	1,000	400
	-----	-----	-----	-----
CONSTRUCTION				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
NAVAL REACTORS				
DEVELOPMENT	85	383	65	95
	-----	-----	-----	-----
TOTAL CONSTRUCTION	85	383	65	95
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY				
DEFENSE ACTIVITIES	5,869	5,901	7,007	6,256
	-----	-----	-----	-----
GENERAL SCIENCE				
AND RESEARCH				
OPERATING EXPENSES				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF CONNECTICUT
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	DBS.	RII	HA	RII
	-----	-----	-----	-----
BASIC SCIENCES				
LIFE SCIENCES RESEARCH				
AND BIOMEDICAL APPLICATION	280	277	287	277
HIGH ENERGY PHYSICS	1,620	1,600	1,770	1,750
NUCLEAR PHYSICS	1,462	1,462	1,620	1,575
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	3,362	3,339	3,677	3,602
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
BASIC SCIENCES				
HIGH ENERGY PHYSICS	26	17	0	18
NUCLEAR PHYSICS	75	70	100	95
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	101	87	100	113
	-----	-----	-----	-----
TOTAL GENERAL SCIENCE				
AND RESEARCH	3,463	3,426	3,777	3,715
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH				
AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	44	511	0	0
GEOTHERMAL				
GEOTHERMAL	10	10	0	0
BIOMASS				
BIOMASS	500	200	600	600
NUCLEAR				
ADVANCED NUCLEAR				
SYSTEMS	282	406	0	0
BREEDER	1,330	1,330	570	570
MAGNETIC FUSION				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF CONNECTICUT
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	HU	HA	HU
	-----	-----	-----	-----
MAGNETIC FUSION	255	255	322	322
ELECTRIC ENERGY SYSTEMS AND STORAGE				
ELECTRIC ENERGY	116	117	0	16
ENERGY STORAGE SYSTEMS	600	0	0	0
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	429	420	423	415
DECONTAMINATION AND DECOMMISSIONING	102	100	0	0
BASIC RESEARCH				
BASIC ENERGY SCIENCES	639	629	678	663
TOTAL OPERATING EXPENSES	4,307	3,978	2,593	2,586
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
MAGNETIC FUSION				
MAGNETIC FUSION	20	16	10	30
TOTAL CAPITAL EQUIPMENT	20	16	10	30
	-----	-----	-----	-----
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	4,327	3,994	2,603	2,616
	-----	-----	-----	-----
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	2,585	11,550	366	5,739
TOTAL OPERATING EXPENSES	2,585	11,550	366	5,739
	-----	-----	-----	-----

JANUARY 31, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF CONNECTICUT
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	IBS.	HO	HA	BO
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	2,585	11,550	366	5,739
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	710	710	0	178
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	304	283	0	106
HOSPITAL AND SCHOOL				
GRANT PROGRAM	1,486	945	0	2,278
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	858	245	0	278
WEATHERIZATION ASSISTANCE				
PROGRAM	3,112	2,023	3,112	2,723
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	620	500	200	200
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	1,505	993
TOTAL OPERATING EXPENSES	7,090	4,706	4,817	6,756
TOTAL ENERGY CONSERVATION	7,090	4,706	4,817	6,756
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	320	192	192
TOTAL OPERATING EXPENSES	192	320	192	192

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF CONNECTICUT
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	BO	BA	BO
	-----	-----	-----	-----
	-----	-----	-----	-----
TOTAL ECONOMIC REGULATORY ADMINISTRATION	192	320	192	192
	-----	-----	-----	-----
DEPARTMENTAL ADMINISTRATION				
OPERATING EXPENSES				
POLICY & MANAGEMENT				
POLICY ANALYSIS				
AND SYSTEMS STUDIES	200	200	0	0
IN-HOUSE ENERGY				
MANAGEMENT	20	0	0	20
MISCELLANEOUS				
REVENUES	-1,785	-1,785	-1,743	-1,743
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	-1,565	-1,585	-1,743	-1,723
	-----	-----	-----	-----
TOTAL DEPARTMENTAL ADMINISTRATION	-1,565	-1,585	-1,743	-1,723
	-----	-----	-----	-----
TOTAL CONNECTICUT	\$ 21,981	\$ 28,312	\$ 17,019	\$ 23,551
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JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF DELAWARE
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
	-----	-----	-----	-----
GENERAL SCIENCE AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
HIGH ENERGY PHYSICS	3	3	65	65
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	3	3	65	65
	-----	-----	-----	-----
TOTAL GENERAL SCIENCE AND RESEARCH	3	3	65	65
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	0	127	0	0
GEOTHERMAL				
GEOTHERMAL	243	114	0	129
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	205	200	255	250
BASIC RESEARCH				
BASIC ENERGY SCIENCES	90	90	100	100
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	538	531	355	479
	-----	-----	-----	-----
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	538	531	355	479
	-----	-----	-----	-----
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF DELAWARE
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
	-----	-----	-----	-----
OPERATING EXPENSES				
COAL				
COAL	35	0	100	100
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	35	0	100	100
	-----	-----	-----	-----
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	35	0	100	100
	-----	-----	-----	-----
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND CONSERVATION GRANT PROGRAM	304	304	0	76
ENERGY CONSERVATION AND PRODUCTION GRANT PROGRAM	129	120	0	49
HOSPITAL AND SCHOOL GRANT PROGRAM	667	424	0	736
LOCAL GOVERNMENT BUILDINGS GRANT PROGRAM	382	126	0	95
WEATHERIZATION ASSISTANCE PROGRAM	473	307	473	414
CONSERVATION				
STATE ENERGY MANAGEMENT AND PLANNING	0	0	639	422
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	1,955	1,281	1,112	1,792
	-----	-----	-----	-----
TOTAL ENERGY CONSERVATION	1,955	1,281	1,112	1,792
	-----	-----	-----	-----
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF DELAWARE
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BO	BA	BI
	-----	-----	-----	-----
REGULATION				
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	39	192	192
COMPLIANCE	0	0	429	300
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	192	39	621	492
	-----	-----	-----	-----
TOTAL ECONOMIC REGULATORY	192	39	621	492
ADMINISTRATION	-----	-----	-----	-----
	-----	-----	-----	-----
TOTAL DELAWARE	\$ 2,723	\$ 1,854	\$ 2,253	\$ 2,928
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JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE DISTRICT OF COLUMBIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OB.	BO	BA	BO
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	2,470	2,470	2,500	2,500
NAVAL REACTORS				
DEVELOPMENT	3,279	2,853	3,060	2,860
VERIFICATION AND				
CONTROL TECHNOLOGY	3,885	3,860	4,500	4,470
DEFENSE WASTE				
MANAGEMENT	1,587	1,605	7,491	7,391
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	11,221	10,788	17,551	17,221
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
VERIFICATION AND				
CONTROL TECHNOLOGY	0	0	50	50
DEFENSE WASTE				
MANAGEMENT	45	4	0	0
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	45	4	50	50
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY				
DEFENSE ACTIVITIES	11,266	10,792	17,601	17,271
	-----	-----	-----	-----
GENERAL SCIENCE				
AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH				
AND BIOMEDICAL APPLICATION	600	597	1,848	1,797

JANUARY 31, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE DISTRICT OF COLUMBIA
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OB,.	BO	BA	BU
HIGH ENERGY PHYSICS	4,125	3,749	5,883	5,880
NUCLEAR PHYSICS	2,016	1,854	2,458	2,230
TOTAL OPERATING EXPENSES	6,741	6,200	10,189	9,907
CAPITAL EQUIPMENT				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH AND BIOMEDICAL APPLICATION	60	28	170	85
HIGH ENERGY PHYSICS	1,315	644	2,150	1,883
TOTAL CAPITAL EQUIPMENT	1,375	672	2,320	1,968
CONSTRUCTION				
BASIC SCIENCES				
NUCLEAR PHYSICS	419	0	0	0
TOTAL CONSTRUCTION	419	0	0	0
TOTAL GENERAL SCIENCE AND RESEARCH	8,535	6,872	12,509	11,875
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR APPLICATIONS				
SOLAR APPLICATIONS	103,268	109,197	50,531	64,931
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	16,296	15,309	17,019	16,104
GEO THERMAL				
GEO THERMAL	2,417	2,412	2,327	2,327

FEBRUARY 1, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE DISTRICT OF COLUMBIA
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OMS.	BI	HA	BI
	-----	-----	-----	-----
BIOMASS				
BIOMASS	686	636	638	638
HYDROPOWER				
HYDROPOWER	431	431	466	466
NUCLEAR				
CONVERTER	100	100	150	150
COMMERCIAL WASTE				
MANAGEMENT	6,228	6,631	3,489	3,459
SPENT FUEL				
DISPOSITION	457	440	482	482
ADVANCED NUCLEAR				
SYSTEMS	16	16	10	10
BREEDER	490	490	520	500
MAGNETIC FUSION				
MAGNETIC FUSION	14,408	13,008	30,513	29,813
ELECTRIC ENERGY				
SYSTEMS AND STORAGE				
ELECTRIC ENERGY	1,551	1,551	1,466	1,466
ENERGY STORAGE				
SYSTEMS	6,953	7,668	3,200	2,915
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	34,212	33,582	53,929	51,614
DECONTAMINATION AND				
DECOMMISSIONING	7,196	6,511	17,589	13,702
BASIC RESEARCH				
BASIC ENERGY SCIENCES	18,330	16,187	40,949	39,169
TECHNICAL ASSESSMENTS				
PROJECTS	3,090	2,430	7,416	6,516
UNIVERSITY RESEARCH				
SUPPORT	152	152	5,471	2,671
TECHNOLOGY PROGRAM				
AND POLICY ANALYSIS	2,057	2,057	2,417	2,417
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	218,338	218,606	236,784	239,552

FEBRUARY 1, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE DISTRICT OF COLUMBIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	US\$.	BIL	BA	BIL
	-----	-----	-----	-----
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
NUCLEAR				
COMMERCIAL WASTE				
MANAGEMENT	1,000	204	100	100
BREEDER	30	19	25	21
MAGNETIC FUSION				
MAGNETIC FUSION	2,462	1,313	2,220	2,295
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	896	491	960	583
DECONTAMINATION AND				
DECOMMISSIONING	0	0	165	80
BASIC RESEARCH				
BASIC ENERGY SCIENCES	805	620	1,300	1,015
TECHNICAL ASSESSMENTS				
PROJECTS	0	0	500	500
TOTAL CAPITAL EQUIPMENT	5,193	2,647	5,330	4,594
	-----	-----	-----	-----
CONSTRUCTION				
NUCLEAR				
COMMERCIAL WASTE				
MANAGEMENT	35,000	11,825	0	5,000
SPENT FUEL				
DISPOSITION	200	200	0	0
TOTAL CONSTRUCTION	35,200	12,025	0	5,000
	-----	-----	-----	-----
TOTAL ENERGY SUPPLY RESEARCH				
 AND DEVELOPMENT	258,731	233,480	244,114	244,140
	-----	-----	-----	-----
FOSSIL ENERGY RESEARCH				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE DISTRICT OF COLUMBIA
(IN THOUSANDS)

	FY 1979 ESTIMATES UBS.	BO	FY 1980 ESTIMATES BA	BO
	-----	-----	-----	-----
OPERATING EXPENSES				
COAL				
COAL	5,750	4,920	3,403	4,313
PETROLEUM				
PETROLEUM	70	60	0	0
GAS				
GAS	5,179	7,046	9,893	20,879
TOTAL OPERATING EXPENSES	10,999	12,026	13,296	25,192
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	10,999	12,026	13,296	25,192
ENERGY PRODUCTION, DEMONSTRATION AND DISTRIBUTION				
OPERATING EXPENSES				
COAL				
COAL	2,386	2,386	2,520	2,520
OIL				
OIL	2,768	2,768	2,661	2,661
SOLAR				
SOLAR	27,185	15,846	28,040	26,904
MULTI-RESOURCE				
MULTI-RESOURCES	1,256	1,256	1,368	1,368
TOTAL OPERATING EXPENSES	33,595	22,256	34,589	33,453
TOTAL ENERGY PRODUCTION, DEMONSTRATION AND DISTRIBUTION	33,595	22,256	34,589	33,453
ENERGY CONSERVATION				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE DISTRICT OF COLUMBIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BO	BA	MI
	-----	-----	-----	-----
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND CONSERVATION GRANT PROGRAM	2,679	2,686	0	528
ENERGY CONSERVATION AND PRODUCTION GRANT PROGRAM	823	749	0	88
HOSPITAL AND SCHOOL GRANT PROGRAM	2,005	1,748	4,733	6,462
LOCAL GOVERNMENT BUILDINGS GRANT PROGRAM	1,073	802	1,000	1,360
WEATHERIZATION ASSISTANCE PROGRAM	2,178	1,853	2,178	1,977
CONSERVATION MULTI-SECTOR APPROPRIATE TECHNOLOGY	388	388	635	635
CONSERVATION BUILDINGS AND COMMUNITY SYSTEMS	7,995	6,857	5,567	4,851
TRANSPORTATION	13,389	10,884	28,803	39,257
STATE ENERGY MANAGEMENT AND PLANNING	0	0	4,054	3,823
TOTAL OPERATING EXPENSES	30,530	25,967	46,970	59,481
TOTAL ENERGY CONSERVATION	30,530	25,967	46,970	59,481
ENERGY INFORMATION ADMINISTRATION				
OPERATING EXPENSES				
ENERGY INFORMATION ENERGY APPLIED ANALYSIS	6,979	6,979	8,293	8,293
COLLECTION, PRODUCTION, AND DISSEMINATION	14,648	14,548	20,899	21,049
DATA VALIDATION	2,343	2,093	3,123	2,793

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE DISTRICT OF COLUMBIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	BO	BA	BO
DATA INFORMATION SERVICES	2,928	2,928	4,196	4,196
TOTAL OPERATING EXPENSES	26,998	26,548	36,511	36,331
TOTAL ENERGY INFORMATION ADMINISTRATION	26,998	26,548	36,511	36,331
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
COAL UTILIZATION	3,124	3,649	3,882	3,882
UTILITY PROGRAM AND REGULATORY INTERVENTION COMPLIANCE	2,614	3,158	2,602	2,602
REGULATION DEVELOPMENT	11,397	11,442	11,099	12,499
FUELS REGULATION	1,547	1,753	2,266	2,266
EMERGENCY PREPAREDNESS	4,068	4,061	2,872	2,872
OFFICE OF HEARINGS AND APPEALS	1,207	1,439	1,600	1,600
PROGRAM ADMINISTRATION	2,419	2,419	2,778	2,773
	1,451	1,451	2,159	2,152
TOTAL OPERATING EXPENSES	27,827	29,372	29,258	30,646
TOTAL ECONOMIC REGULATORY ADMINISTRATION	27,827	29,372	29,258	30,646
FEDERAL ENERGY REGULATORY COMMISSION				
OPERATING EXPENSES				
REGULATION				
OIL REGULATION	5,138	4,138	4,473	4,542
GAS REGULATION	33,781	31,559	41,365	38,931
HYDRO REGULATION	7,840	7,342	9,460	8,901

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE DISTRICT OF COLUMBIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	HU	HA	BU
MULTI-RESOURCE REGULATION	13,081	12,255	14,149	13,422
TOTAL OPERATING EXPENSES	59,840	55,294	69,947	65,846
TOTAL FEDERAL ENERGY REGULATORY COMMISSION	59,840	55,294	69,947	65,846
GEOTHERMAL RESOURCES DEVELOPMENT FUND				
OPERATING EXPENSES				
GEOTHERMAL RESOURCES DEVELOPMENT FUND				
GEOTHERMAL RESOURCES DEVELOPMENT FUND	298	298	288	288
TOTAL OPERATING EXPENSES	298	298	288	288
TOTAL GEOTHERMAL RESOURCES DEVELOPMENT FUND	298	298	288	288
DEPARTMENTAL ADMINISTRATION				
OPERATING EXPENSES				
POLICY & MANAGEMENT				
POLICY ANALYSIS				
AND SYSTEMS STUDIES	9,916	9,576	16,454	16,454
INTERNATIONAL AFFAIRS	120	50	100	100
MANAGEMENT AND SUPPORT	161,702	186,506	153,575	153,575
INTERGOVERNMENTAL AND INSTITUTIONAL RELATIONS	9,110	8,610	11,546	11,046
SECURITY INVESTIGATIONS	14,660	14,560	16,400	16,400
CHANGES IN INVENTORIES, WORKING CAPITAL	618	12,326	1,882	2,382
TOTAL OPERATING EXPENSES	196,126	231,628	199,957	199,957

FEBRUARY 1, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE DISTRICT OF COLUMBIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	HU	HA	HII
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	196,126	231,628	199,957	199,957
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
POLICY & MANAGEMENT				
MANAGEMENT AND SUPPORT	3,847	3,847	3,842	3,842
INTERGOVERNMENTAL AND				
INSTITUTIONAL RELATIONS	125	125	25	25
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	3,972	3,972	3,867	3,867
	-----	-----	-----	-----
CONSTRUCTION				
POLICY & MANAGEMENT				
IN-HOUSE ENERGY				
MANAGEMENT	0	0	542	382
	-----	-----	-----	-----
TOTAL CONSTRUCTION	0	0	542	382
	-----	-----	-----	-----
TOTAL DEPARTMENTAL ADMINISTRATION	200,098	235,600	204,366	204,206
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TOTAL DISTRICT OF COLUMBIA	\$ 668,717	\$ 658,505	\$ 709,449	\$ 733,735
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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF FLORIDA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	QBS.	RU	HA	RU
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	49	49	0	0
WEAPONS ACTIVITIES	41,356	39,346	42,964	42,554
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	41,405	39,395	42,964	42,554
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES	750	610	400	300
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	750	610	400	300
	-----	-----	-----	-----
CONSTRUCTION				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES	1,944	1,475	880	1,467
	-----	-----	-----	-----
TOTAL CONSTRUCTION	1,944	1,475	880	1,467
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY				
DEFENSE ACTIVITIES	44,099	41,480	44,244	44,321
	-----	-----	-----	-----
GENERAL SCIENCE				
AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH				

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF FLORIDA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG,	BO	BA	BI
AND BIOMEDICAL APPLICATION	443	439	548	527
HIGH ENERGY PHYSICS	356	356	380	380
TOTAL OPERATING EXPENSES	799	795	928	907
TOTAL GENERAL SCIENCE AND RESEARCH	799	795	928	907
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	139	922	0	0
BIOMASS				
BIOMASS	250	100	250	250
NUCLEAR				
ADVANCED NUCLEAR SYSTEMS	0	4	0	0
ELECTRIC ENERGY SYSTEMS AND STORAGE				
ELECTRIC ENERGY	350	226	0	133
ENERGY STORAGE SYSTEMS	7	12	0	0
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	1,282	1,255	1,353	1,327
BASIC RESEARCH				
BASIC ENERGY SCIENCES	698	696	878	875
TECHNICAL ASSESSMENTS PROJECTS	75	75	0	0
TOTAL OPERATING EXPENSES	2,801	3,290	2,481	2,585

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF FLORIDA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	HU	HA	HU
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	2,801	3,290	2,481	2,585
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	1,858	977	914	1,550
TOTAL OPERATING EXPENSES	1,858	977	914	1,550
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	1,858	977	914	1,550
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND CONSERVATION GRANT PROGRAM	1,561	1,561	0	390
ENERGY CONSERVATION AND PRODUCTION GRANT PROGRAM	669	622	0	254
HOSPITAL AND SCHOOL GRANT PROGRAM	2,972	1,890	0	3,536
LOCAL GOVERNMENT BUILDINGS GRANT PROGRAM	1,717	566	0	450
WEATHERIZATION ASSISTANCE PROGRAM	535	348	535	468
CONSERVATION BUILDINGS AND COMMUNITY SYSTEMS	45	45	30	50
INDUSTRIAL	197	197	209	209
TRANSPORTATION	103	103	245	145
STATE ENERGY MANAGEMENT AND PLANNING	0	0	3,369	2,184

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF FLORIDA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	HA	BU
TOTAL OPERATING EXPENSES	7,799	5,332	4,328	7,666
TOTAL ENERGY CONSERVATION	7,799	5,332	4,328	7,666
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
COAL UTILIZATION	0	61	0	0
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	39	192	192
COMPLIANCE	0	0	429	300
TOTAL OPERATING EXPENSES	192	100	621	492
TOTAL ECONOMIC REGULATORY ADMINISTRATION	192	100	621	492
SOUTHEASTERN POWER ADMIN. - OPERATION AND MAINTENANCE				
OPERATING EXPENSES				
POWER MARKETING				
POWER MARKETING	212	212	250	250
TOTAL OPERATING EXPENSES	212	212	250	250
TOTAL SOUTHEASTERN POWER ADMIN. - OPERATION AND MAINTENANCE	212	212	250	250
DEPARTMENTAL ADMINISTRATION				
OPERATING EXPENSES				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF FLORIDA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
	-----	-----	-----	-----
POLICY & MANAGEMENT				
IN-HOUSE ENERGY				
MANAGEMENT	65	40	85	110
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	65	40	85	110
	-----	-----	-----	-----
CONSTRUCTION				
POLICY & MANAGEMENT				
IN-HOUSE ENERGY				
MANAGEMENT	0	0	565	345
	-----	-----	-----	-----
TOTAL CONSTRUCTION	0	0	565	345
	-----	-----	-----	-----
TOTAL DEPARTMENTAL ADMINISTRATION	65	40	650	455
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TOTAL FLORIDA	\$ 57,825	\$ 52,226	\$ 54,416	\$ 58,226
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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF GEORGIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BU	HA	BU
	-----	-----	-----	-----
GENERAL SCIENCE AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH AND BIOMEDICAL APPLICATION	257	255	279	269
HIGH ENERGY PHYSICS	20	20	25	25
NUCLEAR PHYSICS	100	100	100	100
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	377	375	404	394
	-----	-----	-----	-----
TOTAL GENERAL SCIENCE AND RESEARCH	377	375	404	394
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	1,076	1,321	300	300
BIOMASS				
BIOMASS	4,119	2,025	2,200	4,200
NUCLEAR				
SPENT FUEL DISPOSITION	525	525	0	0
ADVANCED NUCLEAR SYSTEMS	0	16	0	0
MAGNETIC FUSION				
MAGNETIC FUSION	200	200	170	170
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	2,522	2,464	2,552	2,502

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF GEORGIA
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	HO	HA	BI
BASIC RESEARCH				
BASIC ENERGY SCIENCES	628	628	666	664
UNIVERSITY RESEARCH				
SUPPORT	0	0	50	50
TOTAL OPERATING EXPENSES	9,070	7,179	5,438	7,886
CAPITAL EQUIPMENT				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	0	19	0	0
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	100	85	155	135
TOTAL CAPITAL EQUIPMENT	100	104	155	135
TOTAL ENERGY SUPPLY RESEARCH				
AND DEVELOPMENT	9,170	7,283	6,093	8,021
FOSSIL ENERGY RESEARCH				
AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	0	20	0	0
TOTAL OPERATING EXPENSES	0	20	0	0
TOTAL FOSSIL ENERGY RESEARCH				
AND DEVELOPMENT	0	20	0	0
ENERGY CONSERVATION				
OPERATING EXPENSES				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF GEORGIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BU	BA	BU
	-----	-----	-----	-----
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	1,016	1,016	0	254
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	432	402	0	164
HOSPITAL AND SCHOOL				
GRANT PROGRAM	1,943	1,236	0	2,484
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	1,123	372	0	312
WEATHERIZATION ASSISTANCE				
PROGRAM	1,978	1,286	1,978	1,731
CONSERVATION MULTI-SECTOR				
APPROPRIATE TECHNOLOGY	1,481	1,481	1,187	1,187
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	160	138	150	130
INDUSTRIAL	200	200	212	212
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	2,151	1,420
TOTAL OPERATING EXPENSES	8,333	6,131	5,678	7,894
TOTAL ENERGY CONSERVATION	8,333	6,131	5,678	7,894
ECONOMIC REGULATORY				
ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
COAL UTILIZATION	125	125	156	156
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	364	351	363	363
COMPLIANCE	3,121	3,055	2,722	2,788
FUELS REGULATION	163	163	115	115
OFFICE OF HEARINGS				
AND APPEALS	83	83	84	84

JANUARY 31, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF GEORGIA
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	USG.	BU	HA	BU
TOTAL OPERATING EXPENSES	3,856	3,777	3,440	3,506
TOTAL ECONOMIC REGULATORY ADMINISTRATION	3,856	3,777	3,440	3,506
FEDERAL ENERGY REGULATORY COMMISSION				
OPERATING EXPENSES				
REGULATION				
HYDRO REGULATION	750	702	750	706
MULTI-RESOURCE REGULATION	90	84	90	85
TOTAL OPERATING EXPENSES	840	786	840	791
TOTAL FEDERAL ENERGY REGULATORY COMMISSION	840	786	840	791
SOUTHEASTERN POWER ADMIN. - OPERATION AND MAINTENANCE				
OPERATING EXPENSES				
POWER MARKETING				
POWER MARKETING	1,041	1,037	1,150	1,144
TOTAL OPERATING EXPENSES	1,041	1,037	1,150	1,144
TOTAL SOUTHEASTERN POWER ADMIN. - OPERATION AND MAINTENANCE	1,041	1,037	1,150	1,144
DEPARTMENTAL ADMINISTRATION				
OPERATING EXPENSES				
POLICY & MANAGEMENT				
MANAGEMENT AND SUPPORT	1,154	1,154	1,258	1,258

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF GEORGIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	089.	80	8A	80
	-----	-----	-----	-----
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	1,154	1,154	1,258	1,258
	-----	-----	-----	-----
TOTAL DEPARTMENTAL ADMINISTRATION	1,154	1,154	1,258	1,258
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TOTAL GEORGIA	\$ 24,771	\$ 20,563	\$ 18,863	\$ 23,008
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JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF HAWAII AND PACIFIC TEST AREA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	BU	BA	BU
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	42	42	0	0
WEAPONS ACTIVITIES	59	59	63	63
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	101	101	63	63
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY				
DEFENSE ACTIVITIES	101	101	63	63
	-----	-----	-----	-----
GENERAL SCIENCE				
AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
HIGH ENERGY PHYSICS	694	694	730	723
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	694	694	730	723
	-----	-----	-----	-----
TOTAL GENERAL SCIENCE				
AND RESEARCH	694	694	730	723
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH				
AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	250	3,492	0	695
GEOTHERMAL				
GEOTHERMAL	2,666	3,466	3,792	4,374

JANUARY 31, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF HAWAII AND PACIFIC TEST AREA
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	B(I)	BA	B(I)
	-----	-----	-----	-----
BIOMASS				
BIOMASS	550	200	300	650
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	281	275	275	270
BASIC RESEARCH				
BASIC ENERGY SCIENCES	113	113	0	0
TOTAL OPERATING EXPENSES	3,860	7,546	4,367	5,989
CAPITAL EQUIPMENT				
GEOTHERMAL				
GEOTHERMAL	15	15	0	0
TOTAL CAPITAL EQUIPMENT	15	15	0	0
CONSTRUCTION				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	13,500	19,000	10,700	10,700
TOTAL CONSTRUCTION	13,500	19,000	10,700	10,700
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	17,375	26,561	15,067	16,689
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND CONSERVATION GRANT PROGRAM	353	353	0	88
ENERGY CONSERVATION AND PRODUCTION GRANT PROGRAM	150	140	0	54

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF HAWAII AND PACIFIC TEST AREA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BU	HA	BU
	-----	-----	-----	-----
HOSPITAL AND SCHOOL				
GRANT PROGRAM	638	406	0	715
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	367	123	0	92
CONSERVATION				
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	742	490
TOTAL OPERATING EXPENSES	1,508	1,022	742	1,439
TOTAL ENERGY CONSERVATION	1,508	1,022	742	1,439
ECONOMIC REGULATORY				
ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	39	192	192
TOTAL OPERATING EXPENSES	192	39	192	192
TOTAL ECONOMIC REGULATORY				
ADMINISTRATION	192	39	192	192
TOTAL HAWAII AND PACIFIC TEST AREA	\$ 19,870	\$ 28,417	\$ 16,794	\$ 19,106
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JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF IDAHO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	0BS.	80	BA	BII
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
NAVAL REACTORS				
DEVELOPMENT	46,930	45,831	42,620	47,825
MATERIALS PRODUCTION	19,700	17,910	21,390	22,190
DEFENSE WASTE				
MANAGEMENT	21,616	19,610	32,145	30,385
NUCLEAR MATERIALS				
SECURITY AND SAFEGUARDS	1,000	1,100	800	800
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	89,246	84,251	96,955	101,200
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
NAVAL REACTORS				
DEVELOPMENT	2,300	2,300	1,400	3,300
MATERIALS PRODUCTION	3,490	2,680	5,000	3,740
DEFENSE WASTE				
MANAGEMENT	2,290	1,234	2,006	1,855
NUCLEAR MATERIALS				
SECURITY AND SAFEGUARDS	400	300	300	450
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	8,480	6,514	8,706	9,345
	-----	-----	-----	-----
CONSTRUCTION				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
NAVAL REACTORS				
DEVELOPMENT	300	200	290	350
MATERIALS PRODUCTION	53,303	26,994	69,600	44,434
DEFENSE WASTE				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF IDAHO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS,	BU	BA	BU
	-----	-----	-----	-----
MANAGEMENT	30,866	20,818	12,830	29,645
TOTAL CONSTRUCTION	84,469	48,012	82,720	74,429
TOTAL ATOMIC ENERGY DEFENSE ACTIVITIES	182,195	138,777	188,381	184,974
GENERAL SCIENCE AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
NUCLEAR PHYSICS	40	40	45	45
TOTAL OPERATING EXPENSES	40	40	45	45
TOTAL GENERAL SCIENCE AND RESEARCH	40	40	45	45
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR APPLICATIONS				
SOLAR APPLICATIONS	280	280	0	0
GEOHERMAL				
GEOHERMAL	15,287	17,171	9,309	11,135
HYDROPOWER				
HYDROPOWER	10,000	8,000	5,200	5,200
NUCLEAR				
COMMERCIAL WASTE MANAGEMENT	1,250	1,085	360	575
BREEDER LIGHT WATER REACTOR	37,438	37,684	36,970	35,721

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF IDAHO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	BU	BA	BU
	-----	-----	-----	-----
FACILITIES	6,500	13,600	0	0
MAGNETIC FUSION				
MAGNETIC FUSION	245	245	350	350
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	1,213	1,180	1,558	1,447
DECONTAMINATION AND				
DECOMMISSIONING	993	970	78	75
BASIC RESEARCH				
BASIC ENERGY SCIENCES	590	580	996	966
UNIVERSITY RESEARCH				
SUPPORT	2,000	1,800	1,700	1,500
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	76,796	82,595	56,521	56,969
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
GEO THERMAL				
GEO THERMAL	721	375	375	300
NUCLEAR				
COMMERCIAL WASTE				
MANAGEMENT	20	20	20	18
BREEDER	6,548	4,307	6,196	6,777
LIGHT WATER REACTOR				
FACILITIES	500	600	0	400
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	30	20	5	3
DECONTAMINATION AND				
DECOMMISSIONING	15	15	0	0
BASIC RESEARCH				
BASIC ENERGY SCIENCES	100	95	136	121
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	7,934	5,432	6,732	7,619
	-----	-----	-----	-----

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF IDAHO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BO	BA	BO
	-----	-----	-----	-----
	-----	-----	-----	-----
CONSTRUCTION				
NUCLEAR				
BREEDER	30,871	23,501	16,755	21,120
LIGHT WATER REACTOR				
FACILITIES	3,000	2,400	0	2,400
	-----	-----	-----	-----
TOTAL CONSTRUCTION	33,871	25,901	16,755	23,520
	-----	-----	-----	-----
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	118,601	113,928	80,008	88,108
	-----	-----	-----	-----
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	107	98	30	54
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	107	98	30	54
	-----	-----	-----	-----
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	107	98	30	54
	-----	-----	-----	-----
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	345	345	0	86
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	147	137	0	56
HOSPITAL AND SCHOOL				
GRANT PROGRAM	834	533	0	945
LOCAL GOVERNMENT BUILDINGS				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF IDAHO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	DBS.	BU	BA	BU
GRANT PROGRAM	477	159	0	121
WEATHERIZATION ASSISTANCE PROGRAM	1,443	938	1,443	1,263
CONSERVATION INDUSTRIAL	1,000	1,000	1,060	1,060
STATE ENERGY MANAGEMENT AND PLANNING	0	0	725	470
TOTAL OPERATING EXPENSES	4,246	3,112	3,228	4,001
CAPITAL EQUIPMENT				
CONSERVATION INDUSTRIAL	90	90	90	90
TOTAL CAPITAL EQUIPMENT	90	90	90	90
TOTAL ENERGY CONSERVATION	4,336	3,202	3,318	4,091
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION UTILITY PROGRAM AND REGULATORY INTERVENTION	192	179	192	192
TOTAL OPERATING EXPENSES	192	179	192	192
TOTAL ECONOMIC REGULATORY ADMINISTRATION	192	179	192	192
DEPARTMENTAL ADMINISTRATION				
OPERATING EXPENSES				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF IDAHO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UHS.	BU	RA	BU
POLICY & MANAGEMENT				
MANAGEMENT AND SUPPORT	8,130	8,130	8,045	8,045
IN-HOUSE ENERGY				
MANAGEMENT	580	95	414	899
COST OF WORK				
FOR OTHERS	0	0	125	125
MISCELLANEOUS				
REVENUES	-4,000	-4,000	-7,653	-7,653
CHANGES IN INVENTORIES,				
WORKING CAPITAL	-500	0	434	434
TOTAL OPERATING EXPENSES	4,210	4,225	1,365	1,850
CAPITAL EQUIPMENT				
POLICY & MANAGEMENT				
MANAGEMENT AND SUPPORT	60	60	60	60
TOTAL CAPITAL EQUIPMENT	60	60	60	60
CONSTRUCTION				
POLICY & MANAGEMENT				
IN-HOUSE ENERGY				
MANAGEMENT	169	54	518	414
TOTAL CONSTRUCTION	169	54	518	414
TOTAL DEPARTMENTAL ADMINISTRATION	4,439	4,339	1,443	2,324
TOTAL IDAHO	\$ 309,910	\$ 260,563	\$ 273,917	\$ 279,788

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF ILLINOIS
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	BO	BA	BI
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	1,100	1,100	1,250	1,250
VERIFICATION AND CONTROL TECHNOLOGY	730	705	800	760
DEFENSE WASTE MANAGEMENT	229	220	0	0
NUCLEAR MATERIALS SECURITY AND SAFEGUARDS	2,220	2,120	1,800	1,700
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	4,279	4,145	3,850	3,710
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	80	221	80	80
VERIFICATION AND CONTROL TECHNOLOGY	0	0	60	60
NUCLEAR MATERIALS SECURITY AND SAFEGUARDS	300	270	200	250
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	380	491	340	390
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY DEFENSE ACTIVITIES	4,659	4,636	4,190	4,100
	-----	-----	-----	-----
GENERAL SCIENCE AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF ILLINOIS
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	HU	HA	HU
AND BIOMEDICAL APPLICATION	3,685	3,642	3,308	3,180
HIGH ENERGY PHYSICS	76,189	75,414	75,805	75,065
NUCLEAR PHYSICS	4,483	4,418	4,735	4,620
TOTAL OPERATING EXPENSES	84,357	83,474	83,848	82,865
CAPITAL EQUIPMENT				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH	80	60	90	65
AND BIOMEDICAL APPLICATION				
HIGH ENERGY PHYSICS	12,670	23,030	14,120	11,800
NUCLEAR PHYSICS	450	410	670	650
TOTAL CAPITAL EQUIPMENT	13,200	23,500	14,880	12,515
CONSTRUCTION				
BASIC SCIENCES				
HIGH ENERGY PHYSICS	17,300	11,053	25,000	22,136
NUCLEAR PHYSICS	100	60	650	200
TOTAL CONSTRUCTION	17,400	11,119	25,650	22,336
TOTAL GENERAL SCIENCE AND RESEARCH	114,957	118,093	124,378	117,716
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR APPLICATIONS				
SOLAR APPLICATIONS	10,591	13,521	33,779	30,892
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	5,631	5,755	3,400	3,350

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF ILLINOIS
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BO	HA	BO
	-----	-----	-----	-----
GEOTHERMAL				
GEOTHERMAL	10	40	0	0
BIOMASS				
BIOMASS	1,600	650	1,150	1,350
NUCLEAR				
CONVERTER	6,559	6,159	14,100	13,500
COMMERCIAL WASTE				
MANAGEMENT	218	200	174	180
ADVANCED NUCLEAR				
SYSTEMS	2,855	2,855	2,000	2,600
BREEDER	56,563	56,745	51,564	50,736
MAGNETIC FUSION				
MAGNETIC FUSION	2,495	2,495	2,085	2,085
ELECTRIC ENERGY				
SYSTEMS AND STORAGE				
ELECTRIC ENERGY	258	384	300	300
ENERGY STORAGE				
SYSTEMS	10,449	10,135	10,850	11,065
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	17,854	17,401	17,732	17,132
DECONTAMINATION AND				
DECOMMISSIONING	2,220	2,100	1,694	1,366
BASIC RESEARCH				
BASIC ENERGY SCIENCES	30,333	29,938	33,309	32,491
TECHNICAL ASSESSMENTS				
PROJECTS	1,500	1,200	2,500	2,800
UNIVERSITY RESEARCH				
SUPPORT	200	200	250	250
TOTAL OPERATING EXPENSES	149,336	149,778	174,887	170,097
CAPITAL EQUIPMENT				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF ILLINOIS
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	DBS.	BU	BA	BU
	-----	-----	-----	-----
SOLAR APPLICATIONS				
SOLAR APPLICATIONS	200	200	0	0
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	475	185	0	975
NUCLEAR				
CONVERTER	0	0	300	150
COMMERCIAL WASTE				
MANAGEMENT	30	30	120	78
ADVANCED NUCLEAR				
SYSTEMS	580	350	100	100
BREEDER	4,380	2,971	4,081	4,076
MAGNETIC FUSION				
MAGNETIC FUSION	245	175	265	257
ELECTRIC ENERGY				
SYSTEMS AND STORAGE				
ELECTRIC ENERGY	120	120	150	60
ENERGY STORAGE				
SYSTEMS	50	250	1,020	520
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	1,420	1,208	800	703
DECONTAMINATION AND				
DECOMMISSIONING	0	0	25	15
BASIC RESEARCH				
BASIC ENERGY SCIENCES	2,275	2,154	2,405	2,225
TOTAL CAPITAL EQUIPMENT	9,775	7,643	9,266	9,159
CONSTRUCTION				
NUCLEAR				
BREEDER	5,230	6,213	2,585	3,667
BASIC RESEARCH				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF ILLINOIS
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	BO	BA	BB
BASIC ENERGY SCIENCES	6,400	1,500	2,400	2,700
TOTAL CONSTRUCTION	11,630	7,713	4,985	6,367
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	170,741	165,134	189,138	185,623
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	45,564	32,319	19,586	38,114
GAS				
GAS	0	348	0	0
TOTAL OPERATING EXPENSES	45,564	32,667	19,586	38,114
CAPITAL EQUIPMENT				
COAL				
COAL	540	414	250	320
TOTAL CAPITAL EQUIPMENT	540	414	250	320
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	46,104	33,081	19,836	38,434
ENERGY PRODUCTION, DEMONSTRATION AND DISTRIBUTION				
OPERATING EXPENSES				
SOLAR				
SOLAR	292	292	292	292

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF ILLINOIS
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	MO	BA.	BU
TOTAL OPERATING EXPENSES	292	292	292	292
TOTAL ENERGY PRODUCTION, DEMONSTRATION AND DISTRIBUTION	292	292	292	292
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	2,020	2,020	0	505
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	863	803	0	328
HOSPITAL AND SCHOOL				
GRANT PROGRAM	3,991	2,539	0	7,397
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	2,304	757	0	883
WEATHERIZATION ASSISTANCE				
PROGRAM	13,853	9,004	13,853	12,121
CONSERVATION MULTI-SECTOR				
APPROPRIATE TECHNOLOGY	1,063	1,063	1,595	1,595
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	13,067	11,396	12,944	10,652
INDUSTRIAL	2,217	2,478	2,350	2,350
TRANSPORTATION	6,823	10,488	5,650	6,460
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	4,285	2,828
TOTAL OPERATING EXPENSES	46,201	40,548	40,677	45,119
TOTAL ENERGY CONSERVATION	46,201	40,548	40,677	45,119
ECONOMIC REGULATORY ADMINISTRATION				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF ILLINOIS
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	HO	BA	BO
	-----	-----	-----	-----
OPERATING EXPENSES				
REGULATION				
COAL UTILIZATION	2,247	769	3,237	3,829
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	354	417	353	353
COMPLIANCE	442	309	429	433
FUELS REGULATION	292	292	206	206
EMERGENCY PREPAREDNESS	0	118	0	0
OFFICE OF HEARINGS				
AND APPEALS	83	83	84	84
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	3,418	1,988	4,309	4,905
	-----	-----	-----	-----
TOTAL ECONOMIC REGULATORY				
ADMINISTRATION	3,418	1,988	4,309	4,905
	-----	-----	-----	-----
FEDERAL ENERGY REGULATORY COMMISSION				
OPERATING EXPENSES				
REGULATION				
HYDRO REGULATION	600	562	600	564
MULTI-RESOURCE REGULATION	180	169	180	171
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	780	731	780	735
	-----	-----	-----	-----
TOTAL FEDERAL ENERGY REGULATORY				
COMMISSION	780	731	780	735
	-----	-----	-----	-----
DEPARTMENTAL ADMINISTRATION				
OPERATING EXPENSES				
POLICY & MANAGEMENT				
INTERNATIONAL AFFAIRS	1,980	1,600	1,200	1,200
MANAGEMENT AND SUPPORT	13,899	13,899	15,227	15,227
INTERGOVERNMENTAL AND				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF ILLINOIS
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	BU	BA	BU
	-----	-----	-----	-----
INSTITUTIONAL RELATIONS	1,960	2,460	1,908	1,908
IN-HOUSE ENERGY				
MANAGEMENT	200	200	320	320
COST OF WORK				
FOR OTHERS	1,592	1,549	1,863	1,863
MISCELLANEOUS				
REVENUES	-1,848	-1,848	-1,886	-1,886
CHANGES IN INVENTORIES,				
WORKING CAPITAL	-81	-555	973	973
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	17,702	17,305	19,605	19,605
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
POLICY & MANAGEMENT				
MANAGEMENT AND SUPPORT	120	120	120	120
INTERGOVERNMENTAL AND				
INSTITUTIONAL RELATIONS	50	50	0	0
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	170	170	120	120
	-----	-----	-----	-----
CONSTRUCTION				
POLICY & MANAGEMENT				
IN-HOUSE ENERGY				
MANAGEMENT	1,705	543	11,328	4,008
PLANT ENGINEERING				
AND DESIGN	1,281	600	0	0
GENERAL PURPOSE				
FACILITIES	15,064	8,000	0	6,600
	-----	-----	-----	-----
TOTAL CONSTRUCTION	18,050	9,143	11,328	10,608
	-----	-----	-----	-----
TOTAL DEPARTMENTAL ADMINISTRATION	35,922	26,618	31,053	30,333
	-----	-----	-----	-----
TOTAL ILLINOIS	\$ 423,074	\$ 391,121	\$ 414,653	\$ 427,257
	=====	=====	=====	=====

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF INDIANA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS,	BU	BA	BU
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	25	25	0	0
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	25	25	0	0
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY				
DEFENSE ACTIVITIES	25	25	0	0
	-----	-----	-----	-----
GENERAL SCIENCE				
AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
HIGH ENERGY PHYSICS	1,608	1,598	1,770	1,760
NUCLEAR PHYSICS	160	160	180	180
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	1,768	1,758	1,950	1,940
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
BASIC SCIENCES				
HIGH ENERGY PHYSICS	455	320	0	100
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	455	320	0	100
	-----	-----	-----	-----
TOTAL GENERAL SCIENCE				
AND RESEARCH	2,223	2,078	1,950	2,040
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH				
AND DEVELOPMENT				

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF INDIANA
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	BO	BA	BO
	-----	-----	-----	-----
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	0	490	0	0
NUCLEAR				
BREEDER	0	0	100	50
ELECTRIC ENERGY				
SYSTEMS AND STORAGE				
ELECTRIC ENERGY	1,368	1,165	635	903
ENERGY STORAGE				
SYSTEMS	0	0	600	1,600
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	95	94	99	98
BASIC RESEARCH				
BASIC ENERGY SCIENCES	2,295	2,256	2,460	2,418
UNIVERSITY RESEARCH				
SUPPORT	0	0	175	175
TOTAL OPERATING EXPENSES	3,758	4,005	4,069	5,244
CAPITAL EQUIPMENT				
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	0	0	2	1
BASIC RESEARCH				
BASIC ENERGY SCIENCES	145	136	160	152
TOTAL CAPITAL EQUIPMENT	145	136	162	153
CONSTRUCTION				
BASIC RESEARCH				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF INDIANA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UHS.	HO	BA	HO
BASIC ENERGY SCIENCES	20	14	20	21
TOTAL CONSTRUCTION	20	14	20	21
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	3,923	4,155	4,251	5,418
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	1,069	134	0	909
GAS				
GAS	0	133	0	0
TOTAL OPERATING EXPENSES	1,069	267	0	909
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	1,069	267	0	909
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND CONSERVATION GRANT PROGRAM	1,069	1,069	0	267
ENERGY CONSERVATION AND PRODUCTION GRANT PROGRAM	454	422	0	173
HOSPITAL AND SCHOOL GRANT PROGRAM	2,163	1,375	0	3,553
LOCAL GOVERNMENT BUILDINGS GRANT PROGRAM	1,247	411	0	430
WEATHERIZATION ASSI/STANCE PROGRAM	7,892	5,130	7,892	6,905

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF INDIANA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BO	BA	BO
	-----	-----	-----	-----
CONSERVATION				
INDUSTRIAL	310	310	329	329
TRANSPORTATION	341	300	0	41
STATE ENERGY MANAGEMENT AND PLANNING	0	0	2,264	1,494
TOTAL OPERATING EXPENSES	13,476	9,017	10,485	13,192
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
CONSERVATION				
TRANSPORTATION	1,802	750	300	150
TOTAL CAPITAL EQUIPMENT	1,802	750	300	150
	-----	-----	-----	-----
TOTAL ENERGY CONSERVATION	15,278	9,767	10,785	13,342
	-----	-----	-----	-----
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND REGULATORY INTERVENTION	192	78	192	192
TOTAL OPERATING EXPENSES	192	78	192	192
	-----	-----	-----	-----
TOTAL ECONOMIC REGULATORY ADMINISTRATION	192	78	192	192
	-----	-----	-----	-----
TOTAL INDIANA	\$ 22,710	\$ 16,370	\$ 17,178	\$ 21,901
	=====	=====	=====	=====

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF IOWA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS,	BO	BA	BI
	-----	-----	-----	-----
GENERAL SCIENCE AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
HIGH ENERGY PHYSICS	630	620	680	670
NUCLEAR PHYSICS	125	120	135	130
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	755	740	815	800
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
BASIC SCIENCES				
HIGH ENERGY PHYSICS	200	100	70	70
NUCLEAR PHYSICS	5	5	0	0
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	205	105	70	70
	-----	-----	-----	-----
TOTAL GENERAL SCIENCE AND RESEARCH	960	845	885	870
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	0	17	0	0
NUCLEAR				
ADVANCED NUCLEAR SYSTEMS	440	440	400	400
MAGNETIC FUSION				
MAGNETIC FUSION	65	65	100	100
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF IOWA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG,	BO	HA	BO
	-----	-----	-----	-----
AND DEVELOPMENT	1,174	1,146	962	928
BASIC RESEARCH				
BASIC ENERGY SCIENCES	9,366	9,204	10,581	10,195
TOTAL OPERATING EXPENSES	11,045	10,872	12,043	11,623
CAPITAL EQUIPMENT				
NUCLEAR				
ADVANCED NUCLEAR SYSTEMS	20	20	0	0
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	80	57	90	75
BASIC RESEARCH				
BASIC ENERGY SCIENCES	955	898	990	951
TOTAL CAPITAL EQUIPMENT	1,055	975	1,080	1,026
CONSTRUCTION				
BASIC RESEARCH				
BASIC ENERGY SCIENCES	250	320	230	385
TOTAL CONSTRUCTION	250	320	230	385
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	12,350	12,167	13,353	13,034
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF IOWA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BO
COAL	1,252	1,079	740	766
TOTAL OPERATING EXPENSES	1,252	1,079	740	766
CAPITAL EQUIPMENT				
COAL				
COAL	30	16	0	15
TOTAL CAPITAL EQUIPMENT	30	16	0	15
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	1,282	1,095	740	781
URANIUM ENRICHMENT				
OPERATING EXPENSES				
URANIUM ENRICHMENT URANIUM RESOURCE ASSESSMENT	85	85	100	100
TOTAL OPERATING EXPENSES	85	85	100	100
CAPITAL EQUIPMENT				
URANIUM ENRICHMENT URANIUM RESOURCE ASSESSMENT	25	20	25	50
TOTAL CAPITAL EQUIPMENT	25	20	25	50
TOTAL URANIUM ENRICHMENT	110	105	125	150
ENERGY CONSERVATION				
OPERATING EXPENSES				

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF IOWA
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BO	BA	BO
	-----	-----	-----	-----
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	675	675	0	169
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	287	267	0	109
HOSPITAL AND SCHOOL				
GRANT PROGRAM	1,477	939	0	2,396
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	851	281	0	291
WEATHERIZATION ASSISTANCE				
PROGRAM	4,169	2,710	4,169	3,648
CONSERVATION				
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	1,426	941
TOTAL OPERATING EXPENSES	7,459	4,872	5,595	7,554
TOTAL ENERGY CONSERVATION	7,459	4,872	5,595	7,554
ECONOMIC REGULATORY				
ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	141	192	192
COMPLIANCE	111	78	0	33
TOTAL OPERATING EXPENSES	303	219	192	225
TOTAL ECONOMIC REGULATORY				
ADMINISTRATION	303	219	192	225
POWER MARKETING FUND -				
WESTERN AREA POWER ADMIN.				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF IOWA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	RA	BU
	-----	-----	-----	-----
OPERATING EXPENSES				
POWER MARKETING				
POWER MARKETING	1,675	1,124	1,867	1,867
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	1,675	1,124	1,867	1,867
	-----	-----	-----	-----
TOTAL POWER MARKETING FUND -				
WESTERN AREA POWER ADMIN.	1,675	1,124	1,867	1,867
	-----	-----	-----	-----
DEPARTMENTAL ADMINISTRATION				
OPERATING EXPENSES				
POLICY & MANAGEMENT				
INTERGOVERNMENTAL AND				
INSTITUTIONAL RELATIONS	5	5	5	5
IN-HOUSE ENERGY				
MANAGEMENT	75	0	25	100
CHANGES IN INVENTORIES,				
WORKING CAPITAL	0	9	21	21
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	80	14	51	126
	-----	-----	-----	-----
TOTAL DEPARTMENTAL ADMINISTRATION	80	14	51	126
	-----	-----	-----	-----
TOTAL IOWA	\$ 24,219	\$ 20,441	\$ 22,808	\$ 24,607
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JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF KANSAS
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BO	HA	BO
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
BASIC RESEARCH				
BASIC ENERGY SCIENCES	455	455	480	480
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	455	455	480	480
	-----	-----	-----	-----
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	455	455	480	480
	-----	-----	-----	-----
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	2,500	2,000	0	500
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	2,500	2,000	0	500
	-----	-----	-----	-----
CONSTRUCTION				
COAL				
COAL	1,000	1,000	0	0
	-----	-----	-----	-----
TOTAL CONSTRUCTION	1,000	1,000	0	0
	-----	-----	-----	-----
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	3,500	3,000	0	500
	-----	-----	-----	-----
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF KANSAS
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	DBS.	BO	BA	BO
	-----	-----	-----	-----
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	582	582	0	146
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	248	231	0	94
HOSPITAL AND SCHOOL				
GRANT PROGRAM	1,229	782	0	1,754
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	712	234	0	217
WEATHERIZATION ASSISTANCE				
PROGRAM	1,701	1,106	1,701	1,488
CONSERVATION				
INDUSTRIAL	45	45	48	48
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	1,229	811
TOTAL OPERATING EXPENSES	4,517	2,980	2,978	4,558
TOTAL ENERGY CONSERVATION	4,517	2,980	2,978	4,558
ECONOMIC REGULATORY				
ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	39	192	192
COMPLIANCE	221	155	858	666
TOTAL OPERATING EXPENSES	413	194	1,050	858
TOTAL ECONOMIC REGULATORY				
ADMINISTRATION	413	194	1,050	858
TOTAL KANSAS	\$ 8,885	\$ 6,629	\$ 4,508	\$ 6,396

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF KENTUCKY
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	KU	BA	BO
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
MATERIALS PRODUCTION	0	0	70	70
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	0	0	70	70
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY				
DEFENSE ACTIVITIES	0	0	70	70
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH				
AND DEVELOPMENT				
OPERATING EXPENSES				
ELECTRIC ENERGY				
SYSTEMS AND STORAGE				
ENERGY STORAGE				
SYSTEMS	12	12	0	0
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	12	12	0	0
	-----	-----	-----	-----
TOTAL ENERGY SUPPLY RESEARCH				
AND DEVELOPMENT	12	12	0	0
	-----	-----	-----	-----
FOSSIL ENERGY RESEARCH				
AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	31,243	11,300	35,903	17,641
PETROLEUM				
PETROLEUM	0	27	0	0

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF KENTUCKY
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
TOTAL OPERATING EXPENSES	31,243	11,327	35,903	17,641
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	31,243	11,327	35,903	17,641
URANIUM ENRICHMENT				
OPERATING EXPENSES				
URANIUM ENRICHMENT URANIUM ENRICHMENT ACTIVITIES	335,105	333,779	288,885	287,990
TOTAL OPERATING EXPENSES	335,105	333,779	288,885	287,990
CAPITAL EQUIPMENT				
URANIUM ENRICHMENT URANIUM ENRICHMENT ACTIVITIES	4,250	5,840	5,150	4,930
TOTAL CAPITAL EQUIPMENT	4,250	5,840	5,150	4,930
CONSTRUCTION				
URANIUM ENRICHMENT URANIUM ENRICHMENT ACTIVITIES	55,210	111,350	44,690	85,603
TOTAL CONSTRUCTION	55,210	111,350	44,690	85,603
TOTAL URANIUM ENRICHMENT	394,565	450,969	338,725	378,523
ENERGY CONSERVATION				
OPERATING EXPENSES				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF KENTUCKY
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	HA	BU
	-----	-----	-----	-----
STATE & LOCAL -				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	765	765	0	191
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	325	302	0	124
HOSPITAL AND SCHOOL				
GRANT PROGRAM	1,534	975	0	2,198
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	888	292	0	271
WEATHERIZATION ASSISTANCE				
PROGRAM	3,388	2,202	3,388	2,964
CONSERVATION				
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	1,619	1,069
TOTAL OPERATING EXPENSES	6,900	4,536	5,007	6,817
TOTAL ENERGY CONSERVATION	6,900	4,536	5,007	6,817
ECONOMIC REGULATORY				
ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	39	192	192
COMPLIANCE	0	0	429	300
TOTAL OPERATING EXPENSES	192	39	621	492
TOTAL ECONOMIC REGULATORY	192	39	621	492
ADMINISTRATION				
DEPARTMENTAL ADMINISTRATION				
OPERATING EXPENSES				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF KENTUCKY
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
	-----	-----	-----	-----
POLICY & MANAGEMENT				
IN-HOUSE ENERGY				
MANAGEMENT	71	0	75	146
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	71	0	75	146
	-----	-----	-----	-----
CONSTRUCTION				
POLICY & MANAGEMENT				
IN-HOUSE ENERGY				
MANAGEMENT	4,800	1,800	389	3,037
	-----	-----	-----	-----
TOTAL CONSTRUCTION	4,800	1,800	389	3,037
	-----	-----	-----	-----
TOTAL DEPARTMENTAL ADMINISTRATION	4,871	1,800	464	3,183
	-----	-----	-----	-----
TOTAL KENTUCKY	\$ 437,783	\$ 468,683	\$ 380,790	\$ 406,726
	=====	=====	=====	=====

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF LOUISIANA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	BO	BA	BO
	-----	-----	-----	-----
GENERAL SCIENCE AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH AND BIOMEDICAL APPLICATION	140	138	144	138
HIGH ENERGY PHYSICS	30	30	35	35
NUCLEAR PHYSICS	125	125	135	135
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	295	293	314	308
	-----	-----	-----	-----
TOTAL GENERAL SCIENCE AND RESEARCH	295	293	314	308
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
GEOHERMAL				
GEOHERMAL	12,553	10,994	16,175	15,875
NUCLEAR				
COMMERCIAL WASTE MANAGEMENT	100	100	0	0
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	41	40	46	45
BASIC RESEARCH				
BASIC ENERGY SCIENCES	103	103	110	110
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	12,797	11,237	16,331	16,030
	-----	-----	-----	-----
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	12,797	11,237	16,331	16,030
	-----	-----	-----	-----

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF LOUISIANA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	MO	BA	BO
	-----	-----	-----	-----
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
PETROLEUM				
PETROLEUM	0	300	0	0
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	0	300	0	0
	-----	-----	-----	-----
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	0	300	0	0
	-----	-----	-----	-----
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND CONSERVATION GRANT PROGRAM	836	836	0	209
ENERGY CONSERVATION AND PRODUCTION GRANT PROGRAM	354	329	0	135
HOSPITAL AND SCHOOL GRANT PROGRAM	1,581	1,006	0	1,861
LOCAL GOVERNMENT BUILDINGS GRANT PROGRAM	917	303	0	237
WEATHERIZATION ASSISTANCE PROGRAM	748	487	748	655
CONSERVATION				
STATE ENERGY MANAGEMENT AND PLANNING	0	0	1,770	1,168
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	4,436	2,961	2,518	4,265
	-----	-----	-----	-----
TOTAL ENERGY CONSERVATION	4,436	2,961	2,518	4,265
	-----	-----	-----	-----
ECONOMIC REGULATORY				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF LOUISIANA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	HA	BU
	-----	-----	-----	-----
ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	39	192	192
COMPLIANCE	561	393	0	168
TOTAL OPERATING EXPENSES	753	432	192	360
TOTAL ECONOMIC REGULATORY				
ADMINISTRATION	753	432	192	360
SOUTHWESTERN POWER ADMIN. -				
OPERATION AND MAINTENANCE				
OPERATING EXPENSES				
POWER MARKETING				
POWER MARKETING	440	440	440	440
TOTAL OPERATING EXPENSES	440	440	440	440
TOTAL SOUTHWESTERN POWER ADMIN. -				
OPERATION AND MAINTENANCE	440	440	440	440
TOTAL LOUISIANA	\$ 18,721	\$ 15,663	\$ 19,795	\$ 21,403
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JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MAINE
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
	-----	-----	-----	-----
GENERAL SCIENCE AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH AND BIOMEDICAL APPLICATION	152	151	161	155
TOTAL OPERATING EXPENSES	152	151	161	155
TOTAL GENERAL SCIENCE AND RESEARCH	152	151	161	155
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
BIOHAZARD				
BIOHAZARD	850	700	500	1,500
TOTAL OPERATING EXPENSES	850	700	500	1,500
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	850	700	500	1,500
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND CONSERVATION GRANT PROGRAM	383	383	0	96
ENERGY CONSERVATION AND PRODUCTION GRANT PROGRAM	163	152	0	62
HOSPITAL AND SCHOOL GRANT PROGRAM	953	606	0	1,222
LOCAL GOVERNMENT BUILDINGS				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MAINE
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	HA	BU
GRANT PROGRAM	550	180	0	153
WEATHERIZATION ASSISTANCE PROGRAM	2,705	1,758	2,705	2,367
CONSERVATION				
INDUSTRIAL	934	1,434	990	990
TRANSPORTATION	10	10	50	50
STATE ENERGY MANAGEMENT AND PLANNING	0	0	807	533
TOTAL OPERATING EXPENSES	5,698	4,523	4,552	5,473
TOTAL ENERGY CONSERVATION	5,698	4,523	4,552	5,473
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND REGULATORY INTERVENTION	192	39	192	192
TOTAL OPERATING EXPENSES	192	39	192	192
TOTAL ECONOMIC REGULATORY ADMINISTRATION	192	39	192	192
TOTAL MAINE	\$ 6,892	\$ 5,413	\$ 5,405	\$ 7,320

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MARYLAND
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	HU	HA	BO
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	1,296	1,296	1,390	1,390
WEAPONS ACTIVITIES	8,105	8,091	8,178	8,178
NUCLEAR MATERIALS				
SECURITY AND SAFEGUARDS	4,623	4,623	4,627	4,727
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	14,024	14,010	14,195	14,295
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	20	20	0	0
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	20	20	0	0
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY				
DEFENSE ACTIVITIES	14,044	14,030	14,195	14,295
	-----	-----	-----	-----
GENERAL SCIENCE				
AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH				
AND BIOMEDICAL APPLICATION	163	162	176	170
HIGH ENERGY PHYSICS	1,165	1,165	1,225	1,225
NUCLEAR PHYSICS	648	648	680	680
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	1,976	1,975	2,081	2,075
	-----	-----	-----	-----
TOTAL GENERAL SCIENCE				

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MARYLAND
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	US\$	BO	HA	BO
	-----	-----	-----	-----
AND RESEARCH	1,976	1,975	2,061	2,075
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	1,890	2,951	1,150	1,250
GEOHERMAL				
GEOHERMAL	1,270	1,337	370	410
NUCLEAR				
CONVERTER	1,941	1,941	2,206	2,206
ADVANCED NUCLEAR				
SYSTEMS	6,511	6,474	10,186	10,386
BREEDER	11,080	11,114	11,969	11,969
MAGNETIC FUSION				
MAGNETIC FUSION	1,440	1,440	1,540	1,540
ELECTRIC ENERGY				
SYSTEMS AND STORAGE				
ELECTRIC ENERGY	1,155	1,142	505	598
ENERGY STORAGE				
SYSTEMS	895	1,033	540	490
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	3,435	3,341	3,627	3,380
DECONTAMINATION AND				
DECOMMISSIONING	314	275	0	0
BASIC RESEARCH				
BASIC ENERGY SCIENCES	844	871	867	865
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	30,775	31,919	32,962	33,096
	-----	-----	-----	-----

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MARYLAND
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	BO	BA	BO
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
GEOTHERMAL				
GEOTHERMAL	74	40	20	54
NUCLEAR				
ADVANCED NUCLEAR				
SYSTEMS	600	590	0	490
MAGNETIC FUSION				
MAGNETIC FUSION	109	88	80	80
ELECTRIC ENERGY				
SYSTEMS AND STORAGE				
ELECTRIC ENERGY	150	150	0	0
TOTAL CAPITAL EQUIPMENT	933	868	100	624
TOTAL ENERGY SUPPLY RESEARCH				
 AND DEVELOPMENT	31,708	32,787	33,062	33,720
FOSSIL ENERGY RESEARCH				
 AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	5,249	2,076	4,391	5,058
PETROLEUM				
PETROLEUM	550	200	0	450
GAS				
GAS	508	458	0	50
TOTAL OPERATING EXPENSES	6,307	2,734	4,391	5,558
TOTAL FOSSIL ENERGY RESEARCH				
 AND DEVELOPMENT	6,307	2,734	4,391	5,558

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MARYLAND
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
URANIUM ENRICHMENT				
OPERATING EXPENSES				
URANIUM ENRICHMENT				
URANIUM ENRICHMENT				
ACTIVITIES	45,413	2,413	2,566	2,566
URANIUM RESOURCE				
ASSESSMENT	807	853	929	929
TOTAL OPERATING EXPENSES	46,220	3,266	3,495	3,495
TOTAL URANIUM ENRICHMENT	46,220	3,266	3,495	3,495
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	877	877	0	219
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	375	349	0	143
HOSPITAL AND SCHOOL				
GRANT PROGRAM	1,762	1,121	0	2,573
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	1,020	335	0	317
WEATHERIZATION ASSISTANCE				
PROGRAM	2,506	1,629	2,506	2,193
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	3,715	3,165	2,990	2,600
INDUSTRIAL	542	367	575	388
TRANSPORTATION	7,520	6,130	5,616	4,216
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	1,856	1,225
TOTAL OPERATING EXPENSES	18,317	13,973	13,543	13,874

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MARYLAND
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UHS.	BU	BA	BU
TOTAL ENERGY CONSERVATION	18,317	13,973	13,543	13,874
ENERGY INFORMATION ADMINISTRATION				
OPERATING EXPENSES				
ENERGY INFORMATION				
ENERGY APPLIED				
ANALYSIS	2,900	2,500	2,900	3,600
COLLECTION, PRODUCTION, AND DISSEMINATION	4,594	3,944	4,594	5,194
DATA VALIDATION	205	205	205	205
DATA INFORMATION SERVICES	1,395	1,395	1,395	1,395
TOTAL OPERATING EXPENSES	9,094	8,044	9,094	10,394
TOTAL ENERGY INFORMATION ADMINISTRATION	9,094	8,044	9,094	10,394
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
COAL UTILIZATION	0	104	0	0
UTILITY PROGRAM AND REGULATORY INTERVENTION	192	293	192	192
COMPLIANCE	0	0	429	300
REGULATION DEVELOPMENT	0	110	0	0
EMERGENCY PREPAREDNESS	0	174	0	0
TOTAL OPERATING EXPENSES	192	681	621	492
TOTAL ECONOMIC REGULATORY ADMINISTRATION	192	681	621	492

JANUARY 31, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MARYLAND
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	BO	BA	BO
	-----	-----	-----	-----
	-----	-----	-----	-----
DEPARTMENTAL ADMINISTRATION				
OPERATING EXPENSES				
POLICY & MANAGEMENT				
POLICY ANALYSIS				
AND SYSTEMS STUDIES	100	100	100	100
INTERGOVERNMENTAL AND				
INSTITUTIONAL RELATIONS	1,750	1,750	1,950	1,950
COST OF WORK				
FOR OTHERS	206	206	200	200
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	2,056	2,056	2,250	2,250
	-----	-----	-----	-----
TOTAL DEPARTMENTAL ADMINISTRATION	2,056	2,056	2,250	2,250
	-----	-----	-----	-----
TOTAL MARYLAND	\$ 129,914	\$ 79,546	\$ 82,732	\$ 86,153
	=====	=====	=====	=====

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MASSACHUSETTS
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BO	BA	BO
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	349	349	0	0
WEAPONS ACTIVITIES	700	700	750	750
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	1,049	1,049	750	750
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES	230	310	186	169
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	230	310	186	169
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY				
DEFENSE ACTIVITIES	1,279	1,359	936	919
	-----	-----	-----	-----
GENERAL SCIENCE				
AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH				
AND BIOMEDICAL APPLICATION				
HIGH ENERGY PHYSICS	879	872	904	872
NUCLEAR PHYSICS	5,620	5,574	6,055	5,995
	5,695	5,595	6,590	6,420
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	12,194	12,041	13,549	13,287
	-----	-----	-----	-----
CAPITAL EQUIPMENT				

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MASSACHUSETTS
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS	BO	BA	BO
	-----	-----	-----	-----
BASIC SCIENCES				
HIGH ENERGY PHYSICS	1,135	675	870	434
NUCLEAR PHYSICS	1,410	1,280	1,550	1,505
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	2,545	1,955	2,420	1,939
	-----	-----	-----	-----
CONSTRUCTION				
BASIC SCIENCES				
NUCLEAR PHYSICS	520	2,258	1,900	1,430
	-----	-----	-----	-----
TOTAL CONSTRUCTION	520	2,258	1,900	1,430
	-----	-----	-----	-----
TOTAL GENERAL SCIENCE AND RESEARCH	15,259	16,254	17,869	16,656
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	7,398	7,219	6,150	5,680
GEOTHERMAL				
GEOTHERMAL	3,650	3,650	3,200	2,820
BIOMASS				
BIOMASS	1,700	850	2,000	2,650
NUCLEAR				
ADVANCED NUCLEAR SYSTEMS	115	115	0	0
BREEDER	48	48	60	60
MAGNETIC FUSION				
MAGNETIC FUSION	11,544	11,544	12,140	12,140
ELECTRIC ENERGY				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MASSACHUSETTS
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	US\$,	80	80	80
	-----	-----	-----	-----
SYSTEMS AND STORAGE				
ELECTRIC ENERGY	1,967	2,682	325	1,231
ENERGY STORAGE				
SYSTEMS	2,468	2,152	1,950	3,000
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	2,831	2,769	2,588	2,532
BASIC RESEARCH				
BASIC ENERGY SCIENCES	2,469	2,459	2,990	3,141
TOTAL OPERATING EXPENSES	34,190	33,488	31,403	33,254
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
MAGNETIC FUSION				
MAGNETIC FUSION	1,450	1,230	1,355	1,344
ELECTRIC ENERGY				
SYSTEMS AND STORAGE				
ELECTRIC ENERGY	100	50	0	20
TOTAL CAPITAL EQUIPMENT	1,550	1,280	1,355	1,364
	-----	-----	-----	-----
TOTAL ENERGY SUPPLY RESEARCH				
AND DEVELOPMENT	35,740	34,768	32,758	34,618
	-----	-----	-----	-----
FOSSIL ENERGY RESEARCH				
AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	17,984	13,296	12,375	16,392
TOTAL OPERATING EXPENSES	17,984	13,296	12,375	16,392
	-----	-----	-----	-----
TOTAL FOSSIL ENERGY RESEARCH				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MASSACHUSETTS
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BO	BA	BO
AND DEVELOPMENT	17,984	13,296	12,375	16,392
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	1,146	1,146	0	267
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	489	455	0	186
HOSPITAL AND SCHOOL				
GRANT PROGRAM	2,315	1,472	0	3,895
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	1,335	440	0	470
WEATHERIZATION ASSISTANCE				
PROGRAM	7,290	4,739	7,290	6,379
CONSERVATION MULTI-SECTOR				
APPROPRIATE TECHNOLOGY	458	458	508	508
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	2,570	1,950	1,459	1,270
INDUSTRIAL	2,521	1,961	2,671	2,662
TRANSPORTATION	2,685	2,100	305	810
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	2,429	1,603
TOTAL OPERATING EXPENSES	20,809	14,721	14,662	18,070
TOTAL ENERGY CONSERVATION	20,809	14,721	14,662	18,070
ECONOMIC REGULATORY				
ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MASSACHUSETTS
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	HO	BA	BU
COAL UTILIZATION	117	211	145	145
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	540	192	192
FUELS REGULATION	152	152	107	107
EMERGENCY PREPAREDNESS	0	795	0	0
OFFICE OF HEARINGS				
AND APPEALS	27	27	0	0
TOTAL OPERATING EXPENSES	488	1,725	444	444
TOTAL ECONOMIC REGULATORY				
ADMINISTRATION	488	1,725	444	444
DEPARTMENTAL ADMINISTRATION				
OPERATING EXPENSES				
POLICY & MANAGEMENT				
POLICY ANALYSIS				
AND SYSTEMS STUDIES	1,253	1,253	750	750
INTERNATIONAL AFFAIRS	250	250	300	300
MANAGEMENT AND SUPPORT	1,247	1,247	1,175	1,175
TOTAL OPERATING EXPENSES	2,750	2,750	2,225	2,225
TOTAL DEPARTMENTAL ADMINISTRATION	2,750	2,750	2,225	2,225
TOTAL MASSACHUSETTS	\$ 94,309	\$ 84,873	\$ 81,269	\$ 89,324

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JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MICHIGAN
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BO	BA	BO
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	5,750	7,905	7,400	7,400
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	5,750	7,905	7,400	7,400
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	200	200	200	200
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	200	200	200	200
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY				
DEFENSE ACTIVITIES	5,950	8,105	7,600	7,600
	-----	-----	-----	-----
GENERAL SCIENCE				
AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH				
AND BIOMEDICAL APPLICATION				
HIGH ENERGY PHYSICS	592	588	635	613
	1,235	1,220	1,375	1,355
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	1,827	1,808	2,010	1,968
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MICHIGAN
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BO	BA	BO
AND BIOMEDICAL APPLICATION	0	50	20	10
HIGH ENERGY PHYSICS	400	240	80	50
TOTAL CAPITAL EQUIPMENT	400	290	100	60
CONSTRUCTION				
BASIC SCIENCES				
NUCLEAR PHYSICS	0	0	6,000	4,700
TOTAL CONSTRUCTION	0	0	6,000	4,700
TOTAL GENERAL SCIENCE AND RESEARCH	2,227	2,098	8,110	6,728
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	320	361	0	0
NUCLEAR				
CONVERTER	2,242	2,242	1,440	1,440
MAGNETIC FUSION				
MAGNETIC FUSION	70	70	80	80
ELECTRIC ENERGY				
SYSTEMS AND STORAGE				
ELECTRIC ENERGY	55	124	0	0
ENERGY STORAGE				
SYSTEMS	1,350	1,300	3,200	3,400
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	1,574	1,538	1,587	1,555

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MICHIGAN
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	BU	BA	BU
BASIC RESEARCH				
BASIC ENERGY SCIENCES	2,001	1,999	1,880	1,943
TOTAL OPERATING EXPENSES	7,612	7,634	8,187	8,418
CAPITAL EQUIPMENT				
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	180	195	85	70
TOTAL CAPITAL EQUIPMENT	180	195	85	70
CONSTRUCTION				
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	0	50	0	40
TOTAL CONSTRUCTION	0	50	0	40
TOTAL ENERGY SUPPLY RESEARCH				
AND DEVELOPMENT	7,792	7,879	8,272	8,528
FOSSIL ENERGY RESEARCH				
AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	133	110	0	140
TOTAL OPERATING EXPENSES	133	110	0	140
TOTAL FOSSIL ENERGY RESEARCH				
AND DEVELOPMENT	133	110	0	140

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MICHIGAN
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	0BS.	BU	RA	BU
	-----	-----	-----	-----
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	1,683	1,683	0	421
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	716	666	0	272
HOSPITAL AND SCHOOL				
GRANT PROGRAM	3,363	2,139	0	6,335
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	1,944	642	0	455
WEATHERIZATION ASSISTANCE				
PROGRAM	12,704	8,258	12,704	11,117
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	350	300	100	75
TRANSPORTATION	1,029	1,029	0	0
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	3,570	2,356
TOTAL OPERATING EXPENSES	21,789	14,717	16,374	21,031
TOTAL ENERGY CONSERVATION	21,789	14,717	16,374	21,031
ECONOMIC REGULATORY				
ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	179	192	192
EMERGENCY PREPAREDNESS	0	60	0	0
TOTAL OPERATING EXPENSES	192	239	192	192
TOTAL ECONOMIC REGULATORY				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MICHIGAN
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UHS.	HO	BA	BO
	-----	-----	-----	-----
ADMINISTRATION	192	239	192 -	192
	-----	-----	-----	-----
TOTAL MICHIGAN	\$ 38,083	\$ 33,148	\$ 40,548	\$ 44,219
	=====	=====	=====	=====

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JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MINNESOTA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BO	BA	BO
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	200	200	0	0
-----	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	200	200	0	0
-----	-----	-----	-----	-----
TOTAL ATOMIC ENERGY				
DEFENSE ACTIVITIES	200	200	0	0
-----	-----	-----	-----	-----
GENERAL SCIENCE				
AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH				
AND BIOMEDICAL APPLICATION	66	65	67	65
HIGH ENERGY PHYSICS	380	380	410	410
NUCLEAR PHYSICS	187	187	200	200
-----	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	633	632	677	675
-----	-----	-----	-----	-----
TOTAL GENERAL SCIENCE				
AND RESEARCH	633	632	677	675
-----	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH				
AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	0	79	0	0
BIOMASS				

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MINNESOTA
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
	-----	-----	-----	-----
BIOMASS	550	200	800	1,000
NUCLEAR ADVANCED NUCLEAR SYSTEMS	4,636	4,600	6,275	6,075
ELECTRIC ENERGY SYSTEMS AND STORAGE ELECTRIC ENERGY	270	190	0	180
ENVIRONMENT ENVIRONMENTAL RESEARCH AND DEVELOPMENT	137	134	224	220
BASIC RESEARCH BASIC ENERGY SCIENCES	335	335	363	363
TOTAL OPERATING EXPENSES	5,928	5,538	7,662	7,838
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
NUCLEAR ADVANCED NUCLEAR SYSTEMS	1,100	790	0	510
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	1,100	790	0	510
	-----	-----	-----	-----
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	7,028	6,328	7,662	8,348
	-----	-----	-----	-----
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	1,700	1,800	0	1,728
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	1,700	1,800	0	1,728

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MINNESOTA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	089.	80	8A	80
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	1,700	1,800	0	1,728
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	849	849	0	212
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	362	337	0	138
HOSPITAL AND SCHOOL				
GRANT PROGRAM	1,891	1,206	0	3,646
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	1,086	357	0	433
WEATHERIZATION ASSISTANCE				
PROGRAM	9,090	5,908	9,090	7,954
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	1,350	1,160	400	345
INDUSTRIAL	690	690	734	734
TRANSPORTATION	60	10	0	0
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	1,797	1,186
TOTAL OPERATING EXPENSES	15,378	10,517	12,021	14,648
TOTAL ENERGY CONSERVATION	15,378	10,517	12,021	14,648
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MINNESOTA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	BO	BA	BO
REGULATORY INTERVENTION	192	262	192	192
TOTAL OPERATING EXPENSES	192	262	192	192
TOTAL ECONOMIC REGULATORY ADMINISTRATION	192	262	192	192
POWER MARKETING FUND - WESTERN AREA POWER ADMIN.				
OPERATING EXPENSES				
POWER MARKETING	1,829	1,181	3,139	3,139
TOTAL OPERATING EXPENSES	1,829	1,181	3,139	3,139
TOTAL POWER MARKETING FUND - WESTERN AREA POWER ADMIN.	1,829	1,181	3,139	3,139
TOTAL MINNESOTA	\$ 26,960	\$ 20,920	\$ 23,691	\$ 28,730

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MISSISSIPPI
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	089.	80	8A	80
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	5,195	5,195	0	0
BIOMASS				
BIOMASS	1,000	600	0	400
NUCLEAR				
CONVERTER	200	150	0	0
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	39	38	40	40
BASIC RESEARCH				
UNIVERSITY RESEARCH SUPPORT	0	0	50	50
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	6,434	5,983	90	490
	-----	-----	-----	-----
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	6,434	5,983	90	490
	-----	-----	-----	-----
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	1,200	1,300	1,200	1,000
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	1,200	1,300	1,200	1,000
	-----	-----	-----	-----
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	1,200	1,300	1,200	1,000
	-----	-----	-----	-----

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MISSISSIPPI
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BO	BA	BO
	-----	-----	-----	-----
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	592	592	0	148
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	251	233	0	95
HOSPITAL AND SCHOOL				
GRANT PROGRAM	1,143	727	0	1,442
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	660	216	0	181
WEATHERIZATION ASSISTANCE				
PROGRAM	1,021	664	1,021	893
CONSERVATION				
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	1,251	826
TOTAL OPERATING EXPENSES	3,667	2,432	2,272	3,585
TOTAL ENERGY CONSERVATION	3,667	2,432	2,272	3,585
ECONOMIC REGULATORY				
ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	39	192	192
EMERGENCY PREPAREDNESS	0	88	0	0
TOTAL OPERATING EXPENSES	192	127	192	192
TOTAL ECONOMIC REGULATORY	192	127	192	192
ADMINISTRATION				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MISSISSIPPI
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BO	BA	BO
	-----	-----	-----	-----
TOTAL MISSISSIPPI	\$ 11,493	\$ 9,842	\$ 3,754	\$ 5,267
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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MISSOURI
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	BU	BA	BU
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	500	500	0	0
WEAPONS ACTIVITIES	194,325	185,680	249,903	237,253
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	194,825	186,180	249,903	237,253
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES	3,350	2,440	3,900	4,400
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	3,350	2,440	3,900	4,400
	-----	-----	-----	-----
CONSTRUCTION				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES	14,268	9,431	8,260	16,773
	-----	-----	-----	-----
TOTAL CONSTRUCTION	14,268	9,431	8,260	16,773
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY				
DEFENSE ACTIVITIES	212,443	198,051	262,063	258,426
	-----	-----	-----	-----
GENERAL SCIENCE				
AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MISSOURI
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	HO	BA	BU
AND BIOMEDICAL APPLICATION				
HIGH ENERGY PHYSICS	76	75	77	75
NUCLEAR PHYSICS	50	50	55	55
	110	110	120	120
TOTAL OPERATING EXPENSES	236	235	252	250
TOTAL GENERAL SCIENCE AND RESEARCH	236	235	252	250
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
BIOMASS				
BIOMASS	850	300	1,000	1,000
MAGNETIC FUSION				
MAGNETIC FUSION	250	250	370	370
ELECTRIC ENERGY SYSTEMS AND STORAGE				
ELECTRIC ENERGY	416	384	295	295
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	91	90	99	95
BASIC RESEARCH				
BASIC ENERGY SCIENCES	120	120	128	128
TOTAL OPERATING EXPENSES	1,727	1,144	1,892	1,888
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	1,727	1,144	1,892	1,888
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MISSOURI
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
	-----	-----	-----	-----
OPERATING EXPENSES				
COAL				
COAL	151	380	0	65
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	151	380	0	65
	-----	-----	-----	-----
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	151	380	0	65
	-----	-----	-----	-----
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	984	984	0	246
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	418	389	0	159
HOSPITAL AND SCHOOL				
GRANT PROGRAM	1,982	1,260	0	3,130
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	1,145	379	0	381
WEATHERIZATION ASSISTANCE				
PROGRAM	5,212	3,388	5,212	4,560
CONSERVATION MULTI-SECTOR				
APPROPRIATE TECHNOLOGY	613	613	474	474
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	105	90	98	85
INDUSTRIAL	65	20	69	69
TRANSPORTATION	83	80	50	66
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	2,084	1,300
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	10,607	7,203	7,987	10,470
	-----	-----	-----	-----
TOTAL ENERGY CONSERVATION	10,607	7,203	7,987	10,470

JANUARY 31, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MISSOURI
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS,	BO	BA	BO
	-----	-----	-----	-----
	-----	-----	-----	-----
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
COAL UTILIZATION	91	91	113	113
UTILITY PROGRAM AND REGULATORY INTERVENTION	192	116	192	192
COMPLIANCE	3,994	3,994	3,751	3,751
FUELS REGULATION	118	118	83	83
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	4,395	4,319	4,139	4,139
	-----	-----	-----	-----
TOTAL ECONOMIC REGULATORY ADMINISTRATION	4,395	4,319	4,139	4,139
	-----	-----	-----	-----
SOUTHWESTERN POWER ADMIN. - OPERATION AND MAINTENANCE				
OPERATING EXPENSES				
POWER MARKETING				
POWER MARKETING	9,151	7,872	5,884	5,884
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	9,151	7,872	5,884	5,884
	-----	-----	-----	-----
TOTAL SOUTHWESTERN POWER ADMIN. - OPERATION AND MAINTENANCE	9,151	7,872	5,884	5,884
	-----	-----	-----	-----
POWER MARKETING FUND - WESTERN AREA POWER ADMIN.				
OPERATING EXPENSES				
POWER MARKETING				
POWER MARKETING	1,000	1,000	1,000	1,000

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MISSOURI
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BU	BA	BU
TOTAL OPERATING EXPENSES	1,000	1,000	1,000	1,000
TOTAL POWER MARKETING FUND - WESTERN AREA POWER ADMIN.	1,000	1,000	1,000	1,000
DEPARTMENTAL ADMINISTRATION				
OPERATING EXPENSES				
POLICY & MANAGEMENT				
POLICY ANALYSIS				
AND SYSTEMS STUDIES	174	174	76	76
MANAGEMENT AND SUPPORT	1,353	1,353	1,256	1,256
IN-HOUSE ENERGY				
MANAGEMENT	105	70	85	120
TOTAL OPERATING EXPENSES	1,632	1,597	1,417	1,452
CONSTRUCTION				
POLICY & MANAGEMENT				
IN-HOUSE ENERGY				
MANAGEMENT	1,105	1,052	440	961
TOTAL CONSTRUCTION	1,105	1,052	440	961
TOTAL DEPARTMENTAL ADMINISTRATION	2,737	2,649	1,857	2,413
TOTAL MISSOURI	\$ 242,447	\$ 222,853	\$ 285,074	\$ 284,535

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JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MONTANA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
	-----	-----	-----	-----
GENERAL SCIENCE AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
NUCLEAR PHYSICS	30	30	35	35
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	30	30	35	35
	-----	-----	-----	-----
TOTAL GENERAL SCIENCE AND RESEARCH	30	30	35	35
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
GEO THERMAL				
GEO THERMAL	289	153	511	435
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	122	120	122	120
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	411	273	633	555
	-----	-----	-----	-----
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	411	273	633	555
	-----	-----	-----	-----
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	2,365	1,565	0	1,000
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	2,365	1,565	0	1,000

JANUARY 31, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MONTANA
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
CONSTRUCTION				
COAL				
COAL	607	607	0	0
TOTAL CONSTRUCTION	607	607	0	0
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	2,972	2,172	0	1,000
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	332	332	0	83
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	141	131	0	54
HOSPITAL AND SCHOOL				
GRANT PROGRAM	867	551	0	975
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	499	166	0	125
WEATHERIZATION ASSISTANCE				
PROGRAM	1,890	1,229	1,890	1,654
CONSERVATION				
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	698	461
TOTAL OPERATING EXPENSES	3,729	2,409	2,588	3,352
TOTAL ENERGY CONSERVATION	3,729	2,409	2,588	3,352
ECONOMIC REGULATORY				
ADMINISTRATION				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MONTANA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BO	HA	BO
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	39	192	192
COMPLIANCE	111	78	0	33
TOTAL OPERATING EXPENSES	303	117	192	225
TOTAL ECONOMIC REGULATORY				
ADMINISTRATION	303	117	192	225
SOUTHWESTERN POWER ADMIN. -				
OPERATION AND MAINTENANCE				
OPERATING EXPENSES				
POWER MARKETING				
POWER MARKETING	262	262	262	262
TOTAL OPERATING EXPENSES	262	262	262	262
TOTAL SOUTHWESTERN POWER ADMIN. -				
OPERATION AND MAINTENANCE	262	262	262	262
POWER MARKETING FUND -				
WESTERN AREA POWER ADMIN.				
OPERATING EXPENSES				
POWER MARKETING				
POWER MARKETING	6,244	4,646	8,520	8,520
TOTAL OPERATING EXPENSES	6,244	4,646	8,520	8,520
TOTAL POWER MARKETING FUND -				
WESTERN AREA POWER ADMIN.	6,244	4,646	8,520	8,520

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF MONTANA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	BO	BA	BO
	-----	-----	-----	-----
DEPARTMENTAL ADMINISTRATION				
CONSTRUCTION				
POLICY & MANAGEMENT				
PLANT ENGINEERING				
AND DESIGN	953	450	0	0
	-----	-----	-----	-----
TOTAL CONSTRUCTION	953	450	0	0
	-----	-----	-----	-----
TOTAL DEPARTMENTAL ADMINISTRATION	953	450	0	0
	-----	-----	-----	-----
TOTAL MONTANA	\$ 14,904	\$ 10,359	\$ 12,230	\$ 13,949
	=====	=====	=====	=====

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEBRASKA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	MO	HA	BIT
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
BIOMASS				
BIOMASS	100	100	100	100
ELECTRIC ENERGY SYSTEMS AND STORAGE				
ELECTRIC ENERGY	250	250	0	50
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	65	64	69	68
BASIC RESEARCH				
BASIC ENERGY SCIENCES	200	200	215	215
TOTAL OPERATING EXPENSES	615	614	384	433
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	615	614	384	433
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND CONSERVATION GRANT PROGRAM	460	460	0	115
ENERGY CONSERVATION AND PRODUCTION GRANT PROGRAM	196	182	0	64
HOSPITAL AND SCHOOL GRANT PROGRAM	1,057	673	0	1,460
LOCAL GOVERNMENT BUILDINGS GRANT PROGRAM	609	202	0	181
WEATHERIZATION ASSISTANCE PROGRAM	2,283	1,484	2,283	1,998

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEBRASKA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
CONSERVATION				
INDUSTRIAL	92	92	98	98
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	972	641
TOTAL OPERATING EXPENSES	4,697	3,093	3,353	4,557
TOTAL ENERGY CONSERVATION	4,697	3,093	3,353	4,557
ECONOMIC REGULATORY				
ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	39	192	192
TOTAL OPERATING EXPENSES	192	39	192	192
TOTAL ECONOMIC REGULATORY				
ADMINISTRATION	192	39	192	192
POWER MARKETING FUND -				
WESTERN AREA POWER ADMIN.				
OPERATING EXPENSES				
POWER MARKETING				
POWER MARKETING	2,057	2,264	2,942	2,942
TOTAL OPERATING EXPENSES	2,057	2,264	2,942	2,942
TOTAL POWER MARKETING FUND -				
WESTERN AREA POWER ADMIN.	2,057	2,264	2,942	2,942
TOTAL NEBRASKA	\$ 7,561	\$ 6,010	\$ 6,871	\$ 8,124

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEVADA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	HQ	BA	HQ
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES	136,846	136,456	131,741	132,776
VERIFICATION AND				
CONTROL TECHNOLOGY	1,400	1,300	2,400	2,200
DEFENSE WASTE				
MANAGEMENT	320	298	488	403
NUCLEAR MATERIALS				
SECURITY AND SAFEGUARDS	450	450	300	250
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	139,016	138,504	134,969	135,629
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES	11,958	11,424	17,112	13,694
DEFENSE WASTE				
MANAGEMENT	15	7	0	0
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	11,973	11,431	17,112	13,694
	-----	-----	-----	-----
CONSTRUCTION				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES	6,432	5,965	1,700	4,320
DEFENSE WASTE				
MANAGEMENT	200	216	200	320
	-----	-----	-----	-----
TOTAL CONSTRUCTION	6,632	6,181	1,900	4,640
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY				
DEFENSE ACTIVITIES	157,621	154,116	153,981	153,963

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEVADA
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BO	BA	BO
	-----	-----	-----	-----
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
GEOTHERMAL				
GEOTHERMAL	8,727	5,422	640	650
NUCLEAR				
COMMERCIAL WASTE MANAGEMENT	17,018	16,100	15,000	14,465
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	4,288	4,161	4,364	4,027
DECONTAMINATION AND DECOMMISSIONING	1,357	1,325	645	619
TOTAL OPERATING EXPENSES	31,390	27,008	20,649	19,761
CAPITAL EQUIPMENT				
NUCLEAR				
COMMERCIAL WASTE MANAGEMENT	1,000	604	1,500	1,300
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	730	570	710	617
DECONTAMINATION AND DECOMMISSIONING	40	45	50	25
TOTAL CAPITAL EQUIPMENT	1,770	1,219	2,260	1,942
CONSTRUCTION				
ENVIRONMENT				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEVADA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	80	10	0	20
TOTAL CONSTRUCTION	80	10	0	20
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	33,240	28,237	22,909	21,723
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	750	10,050	0	2,000
TOTAL OPERATING EXPENSES	750	10,050	0	2,000
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	750	10,050	0	2,000
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND CONSERVATION GRANT PROGRAM	308	308	0	77
ENERGY CONSERVATION AND PRODUCTION GRANT PROGRAM	131	122	0	50
HOSPITAL AND SCHOOL GRANT PROGRAM	676	430	0	756
LOCAL GOVERNMENT BUILDINGS GRANT PROGRAM	389	130	0	97
WEATHERIZATION ASSISTANCE PROGRAM	452	294	452	396
CONSERVATION TRANSPORTATION	3,150	1,400	3,200	2,200

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEVADA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	DHS.	BO	HA	BO
STATE ENERGY MANAGEMENT AND PLANNING	0	0	649	428
TOTAL OPERATING EXPENSES	5,106	2,684	4,301	4,004
TOTAL ENERGY CONSERVATION	5,106	2,684	4,301	4,004
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION UTILITY PROGRAM AND REGULATORY INTERVENTION	192	39	192	192
TOTAL OPERATING EXPENSES	192	39	192	192
TOTAL ECONOMIC REGULATORY ADMINISTRATION	192	39	192	192
POWER MARKETING FUND - WESTERN AREA POWER ADMIN.				
OPERATING EXPENSES				
POWER MARKETING POWER MARKETING	2,209	2,130	1,200	1,200
TOTAL OPERATING EXPENSES	2,209	2,130	1,200	1,200
TOTAL POWER MARKETING FUND - WESTERN AREA POWER ADMIN.	2,209	2,130	1,200	1,200
DEPARTMENTAL ADMINISTRATION				
OPERATING EXPENSES				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEVADA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BU	BA	BU
	-----	-----	-----	-----
POLICY & MANAGEMENT				
POLICY ANALYSIS				
AND SYSTEMS STUDIES	30	30	0	0
IN-HOUSE ENERGY				
MANAGEMENT	250	0	250	506
COST OF WORK				
FOR OTHERS	300	300	600	600
MISCELLANEOUS				
REVENUES	-369	-369	-772	-772
CHANGES IN INVENTORIES,				
WORKING CAPITAL	1,000	1,200	737	737
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	1,217	1,161	815	1,071
	-----	-----	-----	-----
TOTAL DEPARTMENTAL ADMINISTRATION	1,217	1,161	815	1,071
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TOTAL NEVADA	\$ 200,335	\$ 198,417	\$ 183,398	\$ 184,153
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JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW HAMPSHIRE
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION				
	246	246	0	0
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	246	246	0	0
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY	246	246	0	0
DEFENSE ACTIVITIES	-----	-----	-----	-----
GENERAL SCIENCE				
AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
HIGH ENERGY PHYSICS				
	25	25	25	25
NUCLEAR PHYSICS				
	80	80	95	95
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	105	105	120	120
	-----	-----	-----	-----
TOTAL GENERAL SCIENCE	105	105	120	120
AND RESEARCH	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH				
AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY				
	10	157	100	100
BIOMASS				
BIOMASS				
	150	100	150	200

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW HAMPSHIRE
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BU	BA	BU
	-----	-----	-----	-----
HYDROPOWER				
HYDROPOWER	300	300	225	225
ELECTRIC ENERGY				
SYSTEMS AND STORAGE				
ELECTRIC ENERGY	1,517	1,117	0	400
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	114	112	120	118
BASIC RESEARCH				
BASIC ENERGY SCIENCES	40	40	45	45
TOTAL OPERATING EXPENSES	2,131	1,826	640	1,088
TOTAL ENERGY SUPPLY RESEARCH				
AND DEVELOPMENT	2,131	1,826	640	1,088
FOSSIL ENERGY RESEARCH				
AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	125	300	125	100
TOTAL OPERATING EXPENSES	125	300	125	100
TOTAL FOSSIL ENERGY RESEARCH				
AND DEVELOPMENT	125	300	125	100
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	344	344	0	86

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW HAMPSHIRE
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	HA	HD
	-----	-----	-----	-----
ENERGY CONSERVATION AND PRODUCTION GRANT PROGRAM	146	136	0	55
HOSPITAL AND SCHOOL GRANT PROGRAM	848	539	0	1,013
LOCAL GOVERNMENT BUILDINGS GRANT PROGRAM	492	162	0	129
WEATHERIZATION ASSISTANCE PROGRAM	1,440	936	1,440	1,260
CONSERVATION BUILDINGS AND COMMUNITY SYSTEMS	135	135	200	200
STATE ENERGY MANAGEMENT AND PLANNING	0	0	723	477
TOTAL OPERATING EXPENSES	3,405	2,252	2,363	3,220
TOTAL ENERGY CONSERVATION	3,405	2,252	2,363	3,220
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION UTILITY PROGRAM AND REGULATORY INTERVENTION	192	238	192	192
TOTAL OPERATING EXPENSES	192	238	192	192
TOTAL ECONOMIC REGULATORY ADMINISTRATION	192	238	192	192
TOTAL NEW HAMPSHIRE	\$ 6,204	\$ 4,967	\$ 3,440	\$ 4,720
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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW JERSEY
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	HO	BA	BO
	-----	-----	-----	-----
GENERAL SCIENCE AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH AND BIOMEDICAL APPLICATION	159	157	164	157
HIGH ENERGY PHYSICS	1,501	1,491	1,620	1,605
NUCLEAR PHYSICS	125	125	130	130
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	1,785	1,773	1,914	1,892
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
BASIC SCIENCES				
HIGH ENERGY PHYSICS	50	50	80	78
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	50	50	80	78
	-----	-----	-----	-----
TOTAL GENERAL SCIENCE AND RESEARCH	1,835	1,823	1,994	1,970
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	0	694	0	0
BIOMASS				
BIOMASS	150	150	150	150
NUCLEAR				
ADVANCED NUCLEAR SYSTEMS	65	73	300	300
MAGNETIC FUSION				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW JERSEY
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	HB	HO	HA	HI
MAGNETIC FUSION	45,721	41,851	62,595	61,895
ELECTRIC ENERGY SYSTEMS AND STORAGE				
ELECTRIC ENERGY	862	770	400	827
ENERGY STORAGE SYSTEMS	0	49	1,300	2,500
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	381	372	248	232
BASIC RESEARCH				
BASIC ENERGY SCIENCES	305	305	332	332
TOTAL OPERATING EXPENSES	47,484	44,264	65,325	66,236
CAPITAL EQUIPMENT				
MAGNETIC FUSION				
MAGNETIC FUSION	4,230	3,907	6,635	5,713
TOTAL CAPITAL EQUIPMENT	4,230	3,907	6,635	5,713
CONSTRUCTION				
MAGNETIC FUSION				
MAGNETIC FUSION	53,000	63,200	31,500	57,900
TOTAL CONSTRUCTION	53,000	63,200	31,500	57,900
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	104,714	111,371	103,460	129,849
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW JERSEY
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	HO	BA	BO
	-----	-----	-----	-----
COAL				
COAL	13,710	18,736	8,362	7,300
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	13,710	18,736	8,362	7,300
	-----	-----	-----	-----
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	13,710	18,736	8,362	7,300
	-----	-----	-----	-----
URANIUM ENRICHMENT				
OPERATING EXPENSES				
URANIUM ENRICHMENT				
URANIUM ENRICHMENT				
ACTIVITIES	954	954	303	303
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	954	954	303	303
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
URANIUM ENRICHMENT				
URANIUM ENRICHMENT				
ACTIVITIES	10	50	0	30
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	10	50	0	30
	-----	-----	-----	-----
TOTAL URANIUM ENRICHMENT	964	1,004	303	333
	-----	-----	-----	-----
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	1,397	1,397	0	349
	-----	-----	-----	-----
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	594	552	0	226
	-----	-----	-----	-----

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW JERSEY
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	HA	BU
	-----	-----	-----	-----
HOSPITAL AND SCHOOL				
GRANT PROGRAM	2,763	1,757	0	4,598
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	1,592	523	0	556
WEATHERIZATION ASSISTANCE				
PROGRAM	5,999	3,899	5,499	5,249
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	1,040	907	782	674
INDUSTRIAL	559	380	593	593
TRANSPORTATION	163	163	44	51
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	2,961	1,954
TOTAL OPERATING EXPENSES	14,107	9,578	10,379	14,255
TOTAL ENERGY CONSERVATION	14,107	9,578	10,379	14,255
ENERGY INFORMATION				
ADMINISTRATION				
OPERATING EXPENSES				
ENERGY INFORMATION				
COLLECTION, PRODUCTION,	232	182	232	282
AND DISSEMINATION	298	298	298	298
DATA VALIDATION				
TOTAL OPERATING EXPENSES	530	480	530	580
TOTAL ENERGY INFORMATION	530	480	530	580
ADMINISTRATION				
ECONOMIC REGULATORY				
ADMINISTRATION				
OPERATING EXPENSES				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW JERSEY
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	BU	BA	BU
	-----	-----	-----	-----
REGULATION				
UTILITY PROGRAM AND				
REGULATORY INTERVENTION				
COMPLIANCE	192	39	192	192
	332	232	0	100
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	524	271	192	292
	-----	-----	-----	-----
TOTAL ECONOMIC REGULATORY				
ADMINISTRATION	524	271	192	292
	-----	-----	-----	-----
DEPARTMENTAL ADMINISTRATION				
CONSTRUCTION				
POLICY & MANAGEMENT				
IN-HOUSE ENERGY				
MANAGEMENT	60	20	557	375
	-----	-----	-----	-----
TOTAL CONSTRUCTION	60	20	557	375
	-----	-----	-----	-----
TOTAL DEPARTMENTAL ADMINISTRATION	60	20	557	375
	-----	-----	-----	-----
TOTAL NEW JERSEY	\$ 136,444	\$ 143,283	\$ 125,777	\$ 154,954
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JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW MEXICO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS,	BO	BA	BO
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	38,750	37,800	39,900	41,200
WEAPONS ACTIVITIES	340,731	338,231	384,394	364,714
VERIFICATION AND				
CONTROL TECHNOLOGY	16,695	16,195	21,500	20,800
DEFENSE WASTE				
MANAGEMENT	23,876	21,567	30,730	25,733
NUCLEAR MATERIALS				
SECURITY AND SAFEGUARDS	31,131	26,356	31,100	27,450
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	451,183	440,149	507,624	479,897
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	2,700	2,400	2,700	2,600
WEAPONS ACTIVITIES	38,953	29,523	49,829	38,606
VERIFICATION AND				
CONTROL TECHNOLOGY	0	0	680	680
DEFENSE WASTE				
MANAGEMENT	795	522	987	907
NUCLEAR MATERIALS				
SECURITY AND SAFEGUARDS	1,950	1,900	2,770	2,360
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	44,398	34,345	56,966	45,153
	-----	-----	-----	-----
CONSTRUCTION				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	11,161	13,400	13,500	10,500
WEAPONS ACTIVITIES	35,170	27,551	43,200	36,204

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW MEXICO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	BO	BA	BO
MATERIALS PRODUCTION	2	28	0	0
DEFENSE WASTE				
MANAGEMENT	25,920	10,614	56,300	45,192
TOTAL CONSTRUCTION	72,253	51,593	113,000	91,896
TOTAL ATOMIC ENERGY				
DEFENSE ACTIVITIES	567,834	526,087	677,590	616,946
GENERAL SCIENCE				
AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH				
AND BIOMEDICAL APPLICATION	3,379	3,337	3,470	3,339
HIGH ENERGY PHYSICS	135	135	175	170
NUCLEAR PHYSICS	26,122	25,667	28,015	27,300
TOTAL OPERATING EXPENSES	29,636	29,139	31,660	30,809
CAPITAL EQUIPMENT				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH				
AND BIOMEDICAL APPLICATION	265	175	250	130
NUCLEAR PHYSICS	1,600	1,450	2,075	2,015
TOTAL CAPITAL EQUIPMENT	1,865	1,625	2,325	2,145
CONSTRUCTION				
BASIC SCIENCES				
NUCLEAR PHYSICS	1,001	604	3,250	1,020
TOTAL CONSTRUCTION	1,001	604	3,250	1,020

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW MEXICO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	NO	HA	BO
	-----	-----	-----	-----
TOTAL GENERAL SCIENCE AND RESEARCH	32,502	31,368	37,235	33,974
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR APPLICATIONS				
SOLAR APPLICATIONS	7,499	7,437	190	190
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	35,642	42,114	53,050	50,683
GEO THERMAL				
GEO THERMAL	31,463	26,446	45,675	42,054
BIOMASS				
BIOMASS	100	100	100	100
NUCLEAR				
CONVERTER	20,830	20,640	19,100	19,750
COMMERCIAL WASTE MANAGEMENT	3,447	3,381	1,688	1,602
ADVANCED NUCLEAR SYSTEMS	7,504	7,590	5,250	6,800
BREEDER	10,070	9,000	10,602	10,065
MAGNETIC FUSION				
MAGNETIC FUSION	16,895	16,895	17,045	17,045
ELECTRIC ENERGY SYSTEMS AND STORAGE				
ELECTRIC ENERGY ENERGY STORAGE SYSTEMS	1,000	900	0	0
	3,215	2,995	6,700	6,790
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	18,810	18,323	19,477	18,630

JANUARY 31, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW MEXICO
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	MO	HA	BO
	-----	-----	-----	-----
DECONTAMINATION AND DECOMMISSIONING	421	400	312	300
BASIC RESEARCH				
BASIC ENERGY SCIENCES	7,546	7,401	10,927	10,664
TECHNICAL ASSESSMENTS PROJECTS	330	492	250	250
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	164,772	164,114	188,366	184,923
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
SOLAR APPLICATIONS				
SOLAR APPLICATIONS	500	500	0	0
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	603	615	0	784
GEOHERMAL				
GEOHERMAL	901	731	1,100	600
NUCLEAR				
CONVERTER	3,470	3,020	3,000	2,125
COMMERCIAL WASTE MANAGEMENT	105	90	25	25
ADVANCED NUCLEAR SYSTEMS	400	400	500	500
BREEDER	906	650	833	933
MAGNETIC FUSION				
MAGNETIC FUSION	2,530	2,015	2,425	2,093
ELECTRIC ENERGY SYSTEMS AND STORAGE				
ELECTRIC ENERGY	10	10	0	0
ENERGY STORAGE SYSTEMS	200	100	100	50
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW MEXICO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	HU	BA	BU
	-----	-----	-----	-----
AND DEVELOPMENT	2,140	1,807	2,150	1,970
DECONTAMINATION AND				
DECOMMISSIONING	30	20	30	15
BASIC RESEARCH				
BASIC ENERGY SCIENCES	610	506	1,005	943
TOTAL CAPITAL EQUIPMENT	12,405	10,464	11,168	10,038
	-----	-----	-----	-----
CONSTRUCTION				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	1,155	1,867	0	0
NUCLEAR				
CONVERTER	0	0	400	200
MAGNETIC FUSION				
MAGNETIC FUSION	-813	482	0	0
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	1,040	837	900	1,168
TOTAL CONSTRUCTION	1,382	3,186	1,300	1,368
	-----	-----	-----	-----
TOTAL ENERGY SUPPLY RESEARCH				
AND DEVELOPMENT	178,559	177,764	200,834	196,329
	-----	-----	-----	-----
FOSSIL ENERGY RESEARCH				
AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	4,850	4,510	1,248	1,654
PETROLEUM				
PETROLEUM	10,331	10,317	10,400	10,309

JANUARY 31, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW MEXICO
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
	-----	-----	-----	-----
GAS				
GAS	1,850	1,609	1,300	1,361
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	17,031	16,436	12,948	13,324
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
COAL				
COAL	304	262	0	75
PETROLEUM				
PETROLEUM	125	216	250	154
GAS				
GAS	0	15	0	0
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	429	493	250	229
	-----	-----	-----	-----
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	17,460	16,929	13,198	13,553
	-----	-----	-----	-----
URANIUM ENRICHMENT				
OPERATING EXPENSES				
URANIUM ENRICHMENT				
ACTIVITIES	100	100	100	100
URANIUM RESOURCE				
ASSESSMENT	2,975	3,275	3,130	3,130
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	3,075	3,375	3,230	3,230
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
URANIUM ENRICHMENT				
URANIUM RESOURCE				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW MEXICO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	US\$,	BU	HA	BU
ASSESSMENT	560	147	365	424
TOTAL CAPITAL EQUIPMENT	560	147	365	424
TOTAL URANIUM ENRICHMENT	3,635	3,522	3,595	3,654
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	399	399	0	100
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	170	158	0	65
HOSPITAL AND SCHOOL				
GRANT PROGRAM	848	539	0	970
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	492	162	0	124
WEATHERIZATION ASSISTANCE				
PROGRAM	1,267	823	1,267	1,109
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	625	590	200	200
TRANSPORTATION	125	100	0	0
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	841	550
TOTAL OPERATING EXPENSES	3,926	2,771	2,308	3,118
CAPITAL EQUIPMENT				
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	22	11	0	0
TOTAL CAPITAL EQUIPMENT	22	11	0	0

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW MEXICO
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
TOTAL ENERGY CONSERVATION	3,948	2,782	2,308	3,118
ENERGY INFORMATION ADMINISTRATION				
OPERATING EXPENSES				
ENERGY INFORMATION COLLECTION, PRODUCTION, AND DISSEMINATION	600	450	600	750
TOTAL OPERATING EXPENSES	600	450	600	750
TOTAL ENERGY INFORMATION ADMINISTRATION	600	450	600	750
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION UTILITY PROGRAM AND REGULATORY INTERVENTION	192	332	192	192
TOTAL OPERATING EXPENSES	192	332	192	192
TOTAL ECONOMIC REGULATORY ADMINISTRATION	192	332	192	192
POWER MARKETING FUND - WESTERN AREA POWER ADMIN.				
OPERATING EXPENSES				
POWER MARKETING POWER MARKETING	224	61	54	54

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW MEXICO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	DHS.	HU	BA	BO
TOTAL OPERATING EXPENSES	224	81	54	54
TOTAL POWER MARKETING FUND - WESTERN AREA POWER ADMIN.	224	81	54	54
DEPARTMENTAL ADMINISTRATION				
OPERATING EXPENSES				
POLICY & MANAGEMENT				
POLICY ANALYSIS				
AND SYSTEMS STUDIES	253	253	0	0
INTERGOVERNMENTAL AND				
INSTITUTIONAL RELATIONS	5,029	5,029	4,370	4,370
IN-HOUSE ENERGY				
MANAGEMENT	230	145	170	255
COST OF WORK				
FOR OTHERS	2,092	2,054	1,849	1,849
MISCELLANEOUS				
REVENUES	-2,350	-2,350	-1,747	-1,747
CHANGES IN INVENTORIES, WORKING CAPITAL	2,814	2,852	1,695	1,695
TOTAL OPERATING EXPENSES	8,068	7,983	6,337	6,422
CONSTRUCTION				
POLICY & MANAGEMENT				
IN-HOUSE ENERGY				
MANAGEMENT	4,864	1,548	2,236	4,196
PLANT ENGINEERING				
AND DESIGN	1,387	623	0	0
TOTAL CONSTRUCTION	6,251	2,171	2,236	4,196
TOTAL DEPARTMENTAL ADMINISTRATION	14,319	10,154	8,573	10,618
TOTAL NEW MEXICO	\$ 819,273	\$ 769,469	\$ 944,179	\$ 879,188

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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW YORK
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	DBS.	BU	BA	BU
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	896	896	700	700
NAVAL REACTORS				
DEVELOPMENT	96,241	98,404	106,770	95,774
VERIFICATION AND				
CONTROL TECHNOLOGY	650	650	0	0
NUCLEAR MATERIALS				
SECURITY AND SAFEGUARDS	950	950	800	750
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	98,737	100,900	108,270	97,224
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	1,540	3,164	2,040	1,940
NAVAL REACTORS				
DEVELOPMENT	4,250	5,350	4,300	2,600
NUCLEAR MATERIALS				
SECURITY AND SAFEGUARDS	0	80	0	0
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	5,790	8,594	6,340	4,540
	-----	-----	-----	-----
CONSTRUCTION				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
NAVAL REACTORS				
DEVELOPMENT	1,515	1,617	7,835	2,205
	-----	-----	-----	-----
TOTAL CONSTRUCTION	1,515	1,617	7,835	2,205
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY				

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW YORK
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	088.	80	8A	80
DEFENSE ACTIVITIES	106,042	111,111	122,445	103,974
GENERAL SCIENCE AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH AND BIOMEDICAL APPLICATION	8,229	8,135	8,147	7,832
HIGH ENERGY PHYSICS	37,705	37,335	41,025	40,620
NUCLEAR PHYSICS	5,764	5,689	6,185	6,050
TOTAL OPERATING EXPENSES	51,698	51,159	55,357	54,502
CAPITAL EQUIPMENT				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH AND BIOMEDICAL APPLICATION	210	145	265	140
HIGH ENERGY PHYSICS	5,500	4,600	6,750	5,500
NUCLEAR PHYSICS	400	365	370	360
TOTAL CAPITAL EQUIPMENT	6,110	5,110	7,385	6,000
CONSTRUCTION				
BASIC SCIENCES				
HIGH ENERGY PHYSICS	27,100	12,508	48,900	36,771
NUCLEAR PHYSICS	360	485	200	295
TOTAL CONSTRUCTION	27,460	12,993	49,100	37,066
TOTAL GENERAL SCIENCE AND RESEARCH.	85,268	69,262	111,842	97,568
ENERGY SUPPLY RESEARCH				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW YORK
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UHS.	HII	HA	HII
	-----	-----	-----	-----
AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR APPLICATIONS				
SOLAR APPLICATIONS	575	575	125	125
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	597	870	200	220
GEOTHERMAL				
GEOTHERMAL	1,720	1,425	1,400	1,496
BIOMASS				
BIOMASS	1,700	850	1,100	1,750
NUCLEAR				
CONVERTER	3,957	3,907	150	150
SPENT FUEL				
DISPOSITION	167	167	0	0
ADVANCED NUCLEAR				
SYSTEMS	468	703	0	0
BREEDER	980	875	1,100	1,040
MAGNETIC FUSION				
MAGNETIC FUSION	3,934	3,934	3,395	3,595
ELECTRIC ENERGY				
SYSTEMS AND STORAGE				
ELECTRIC ENERGY	6,889	7,387	2,570	3,628
ENERGY STORAGE				
SYSTEMS	2,913	2,743	835	985
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	18,650	18,198	19,597	19,018
DECONTAMINATION AND				
DECOMMISSIONING	172	150	127	100
BASIC RESEARCH				
BASIC ENERGY SCIENCES	24,214	23,844	27,029	26,435

JANUARY 31, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW YORK
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	US\$,	MO	HA	MO
	-----	-----	-----	-----
TECHNICAL ASSESSMENTS PROJECTS	35	40	0	0
TOTAL OPERATING EXPENSES	66,971	65,668	57,628	58,342
CAPITAL EQUIPMENT				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	26	15	0	11
GEOTHERMAL				
GEOTHERMAL	60	68	195	135
NUCLEAR				
BREEDER	30	19	17	13
MAGNETIC FUSION				
MAGNETIC FUSION	310	259	350	345
ELECTRIC ENERGY				
SYSTEMS AND STORAGE				
ELECTRIC ENERGY	864	432	100	142
ENERGY STORAGE				
SYSTEMS	0	170	100	0
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	1,755	1,500	1,935	1,635
BASIC RESEARCH				
BASIC ENERGY SCIENCES	2,150	2,226	2,340	2,661
TOTAL CAPITAL EQUIPMENT	5,215	4,689	5,037	4,942
CONSTRUCTION				
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	348	452	250	385

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW YORK
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	Obs.	BD	BA	BU
BASIC RESEARCH				
BASIC ENERGY SCIENCES	10,287	5,964	9,000	9,840
TOTAL CONSTRUCTION	10,635	6,416	9,250	10,225
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	82,821	76,773	71,915	73,509
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	10,650	10,502	8,487	8,230
PETROLEUM	0	100	0	0
TOTAL OPERATING EXPENSES	10,650	10,602	8,487	8,230
CAPITAL EQUIPMENT				
COAL				
COAL	30	89	0	15
TOTAL CAPITAL EQUIPMENT	30	89	0	15
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	10,680	10,691	8,487	8,245
URANIUM ENRICHMENT				
OPERATING EXPENSES				
URANIUM ENRICHMENT				
URANIUM ENRICHMENT				

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW YORK
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBBS.	BO	BA	BO
ACTIVITIES	350	805	400	400
URANIUM RESOURCE				
ASSESSMENT	150	150	155	155
TOTAL OPERATING EXPENSES	500	955	555	555
CAPITAL EQUIPMENT				
URANIUM ENRICHMENT				
URANIUM RESOURCE				
ASSESSMENT	30	29	35	60
TOTAL CAPITAL EQUIPMENT	30	29	35	60
TOTAL URANIUM ENRICHMENT	530	984	590	615
ENERGY PRODUCTION, DEMONSTRATION AND DISTRIBUTION				
OPERATING EXPENSES				
SOLAR				
SOLAR	150	150	150	150
TOTAL OPERATING EXPENSES	150	150	150	150
TOTAL ENERGY PRODUCTION, DEMONSTRATION AND DISTRIBUTION	150	150	150	150
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	3,129	3,129	0	782
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	1,335	1,242	0	507

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW YORK
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
	-----	-----	-----	-----
HOSPITAL AND SCHOOL				
GRANT PROGRAM	6,068	3,859	0	10,020
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	3,507	1,154	0	1,218
WEATHERIZATION ASSISTANCE				
PROGRAM	26,164	16,119	26,164	22,894
CONSERVATION MULTI-SECTOR				
APPROPRIATE TECHNOLOGY	459	459	950	950
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	5,845	5,674	5,887	4,985
INDUSTRIAL	2,035	135	2,158	143
TRANSPORTATION	2,106	2,031	80	155
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	6,643	3,380
TOTAL OPERATING EXPENSES	50,648	33,802	41,882	45,034
CAPITAL EQUIPMENT				
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	370	235	25	15
TOTAL CAPITAL EQUIPMENT	370	235	25	15
TOTAL ENERGY CONSERVATION	51,018	34,037	41,907	45,049
ENERGY INFORMATION				
ADMINISTRATION				
OPERATING EXPENSES				
ENERGY INFORMATION				
ENERGY APPLIED				
ANALYSIS	195	195	195	195

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW YORK
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BO	BA	BO
TOTAL OPERATING EXPENSES	195	195	195	195
TOTAL ENERGY INFORMATION ADMINISTRATION	195	195	195	195
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
COAL UTILIZATION	82	82	102	102
UTILITY PROGRAM AND REGULATORY INTERVENTION	364	353	363	363
COMPLIANCE	221	233	0	66
FUELS REGULATION	107	107	75	75
EMERGENCY PREPAREDNESS	0	130	0	0
TOTAL OPERATING EXPENSES	774	905	540	606
TOTAL ECONOMIC REGULATORY ADMINISTRATION	774	905	540	606
FEDERAL ENERGY REGULATORY COMMISSION				
OPERATING EXPENSES				
REGULATION				
HYDRO REGULATION	600	562	600	564
MULTI-RESOURCE REGULATION	150	141	150	142
TOTAL OPERATING EXPENSES	750	703	750	706
TOTAL FEDERAL ENERGY REGULATORY COMMISSION	750	703	750	706
DEPARTMENTAL ADMINISTRATION				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NEW YORK
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OB\$,	BU	BA	BU
	-----	-----	-----	-----
OPERATING EXPENSES				
POLICY & MANAGEMENT				
POLICY ANALYSIS				
AND SYSTEMS STUDIES	609	609	350	350
INTERNATIONAL AFFAIRS	850	850	500	500
MANAGEMENT AND SUPPORT	1,107	1,107	1,190	1,190
INTERGOVERNMENTAL AND				
INSTITUTIONAL RELATIONS	60	60	60	60
IN-HOUSE ENERGY				
MANAGEMENT	110	0	0	110
COST OF WORK				
FOR OTHERS	36	36	35	35
MISCELLANEOUS				
REVENUES	-80	-80	-49	-49
CHANGES IN INVENTORIES,				
WORKING CAPITAL	-32	119	237	237
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	2,660	2,701	2,323	2,433
	-----	-----	-----	-----
CONSTRUCTION				
POLICY & MANAGEMENT				
IN-HOUSE ENERGY				
MANAGEMENT	829	264	2,310	1,892
	-----	-----	-----	-----
TOTAL CONSTRUCTION	829	264	2,310	1,892
	-----	-----	-----	-----
TOTAL DEPARTMENTAL ADMINISTRATION	3,489	2,965	4,633	4,325
	-----	-----	-----	-----
TOTAL NEW YORK	\$ 341,717	\$ 307,776	\$ 363,454	\$ 334,942
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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NORTH CAROLINA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BO	BA	BO
	-----	-----	-----	-----
GENERAL SCIENCE AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH AND BIOMEDICAL APPLICATION	143	143	146	143
HIGH ENERGY PHYSICS	265	265	285	285
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	408	408	433	428
	-----	-----	-----	-----
TOTAL GENERAL SCIENCE AND RESEARCH	408	408	433	428
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	38	390	0	0
NUCLEAR				
CONVERTER	1,000	1,000	1,000	1,000
ELECTRIC ENERGY SYSTEMS AND STORAGE				
ELECTRIC ENERGY	0	500	0	307
ENERGY STORAGE SYSTEMS	325	125	150	250
ENVIRONMENT ENVIRONMENTAL RESEARCH AND DEVELOPMENT	899	878	906	890
BASIC RESEARCH				
BASIC ENERGY SCIENCES	1,224	1,224	1,319	1,319
UNIVERSITY RESEARCH SUPPORT	0	0	185	185

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DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NORTH CAROLINA
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	BO	BA	BO
TOTAL OPERATING EXPENSES	3,486	4,117	3,560	3,951
CAPITAL EQUIPMENT				
ELECTRIC ENERGY SYSTEMS AND STORAGE ENERGY STORAGE SYSTEMS	0	0	20	20
TOTAL CAPITAL EQUIPMENT	0	0	20	20
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	3,486	4,117	3,580	3,971
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	20	25	0	0
TOTAL OPERATING EXPENSES	20	25	0	0
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	20	25	0	0
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL ENERGY POLICY AND CONSERVATION GRANT PROGRAM	1,093	1,093	0	273
ENERGY CONSERVATION AND PRODUCTION GRANT PROGRAM	466	433	0	177
HOSPITAL AND SCHOOL				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NORTH CAROLINA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	HO	BA	BU
	-----	-----	-----	-----
GRANT PROGRAM	2,115	1,345	0	2,833
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	1,218	400	0	353
WEATHERIZATION ASSISTANCE				
PROGRAM	3,088	2,007	3,088	2,702
CONSERVATION				
INDUSTRIAL	534	197	208	208
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	2,316	1,520
TOTAL OPERATING EXPENSES	8,314	5,475	5,612	8,066
TOTAL ENERGY CONSERVATION	8,314	5,475	5,612	8,066
ECONOMIC REGULATORY				
ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	660	192	192
COMPLIANCE	111	78	0	33
TOTAL OPERATING EXPENSES	303	738	192	225
TOTAL ECONOMIC REGULATORY				
ADMINISTRATION	303	738	192	225
TOTAL NORTH CAROLINA	\$ 12,531	\$ 10,763	\$ 9,817	\$ 12,690

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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NORTH DAKOTA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BO	BA	BO
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
GEOTHERMAL				
GEOTHERMAL	42	42	100	100
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	36	36	40	40
TOTAL OPERATING EXPENSES	78	78	140	140
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	78	78	140	140
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	7,014	10,012	4,575	5,416
TOTAL OPERATING EXPENSES	7,014	10,012	4,575	5,416
CAPITAL EQUIPMENT				
COAL				
COAL	242	306	150	205
TOTAL CAPITAL EQUIPMENT	242	306	150	205
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	7,256	10,318	4,725	5,621
ENERGY CONSERVATION				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NORTH DAKOTA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	HO	BA	BO
	-----	-----	-----	-----
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	314	314	0	79
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	134	125	0	51
HOSPITAL AND SCHOOL				
GRANT PROGRAM	915	582	0	972
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	536	177	0	126
WEATHERIZATION ASSISTANCE				
PROGRAM	2,039	1,326	2,039	1,784
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	500	430	465	405
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	660	435
TOTAL OPERATING EXPENSES	4,438	2,954	3,164	3,852
TOTAL ENERGY CONSERVATION	4,438	2,954	3,164	3,852
ECONOMIC REGULATORY				
ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	38	192	192
TOTAL OPERATING EXPENSES	192	38	192	192
TOTAL ECONOMIC REGULATORY	192	38	192	192
ADMINISTRATION				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF NORTH DAKOTA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS,	BO	BA	BO
	-----	-----	-----	-----
POWER MARKETING FUND -				
WESTERN AREA POWER ADMIN.				
OPERATING EXPENSES				
POWER MARKETING				
POWER MARKETING	4,237	4,515	5,385	5,385
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	4,237	4,515	5,385	5,385
	-----	-----	-----	-----
TOTAL POWER MARKETING FUND -				
WESTERN AREA POWER ADMIN.	4,237	4,515	5,385	5,385
	-----	-----	-----	-----
TOTAL NORTH DAKOTA	\$ 16,201	\$ 17,903	\$ 13,606	\$ 15,190
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JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF OHIO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BO	BA	BO
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	50	50	0	0
WEAPONS ACTIVITIES	47,629	46,419	52,344	51,334
MATERIALS PRODUCTION	18,047	17,643	19,935	19,485
DEFENSE WASTE				
MANAGEMENT	555	500	477	531
NUCLEAR MATERIALS				
SECURITY AND SAFEGUARDS	410	535	-500	450
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	66,691	65,147	73,256	71,800
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES	1,450	1,215	1,400	1,400
MATERIALS PRODUCTION	115	115	690	350
DEFENSE WASTE				
MANAGEMENT	55	3	0	28
NUCLEAR MATERIALS				
SECURITY AND SAFEGUARDS	100	90	0	60
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	1,720	1,423	2,090	1,838
	-----	-----	-----	-----
CONSTRUCTION				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES	10,510	6,031	14,880	8,567
MATERIALS PRODUCTION	140	1,056	500	1,068
	-----	-----	-----	-----
TOTAL CONSTRUCTION	10,650	7,087	15,380	9,635
	-----	-----	-----	-----

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF OHIO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	HO	BA	BU
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY DEFENSE ACTIVITIES	79,061	73,657	90,726	83,273
	-----	-----	-----	-----
GENERAL SCIENCE AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH AND BIOMEDICAL APPLICATION	775	772	744	737
HIGH ENERGY PHYSICS	600	600	620	620
NUCLEAR PHYSICS	175	175	185	185
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	1,550	1,547	1,549	1,542
	-----	-----	-----	-----
TOTAL GENERAL SCIENCE AND RESEARCH	1,550	1,547	1,549	1,542
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	27,850	15,253	30,630	30,470
GEOTHERMAL				
GEOTHERMAL	345	150	0	157
BIOMASS				
BIOMASS	2,880	1,500	1,800	2,000
NUCLEAR				
CONVERTER	475	475	1,100	1,000
COMMERCIAL WASTE MANAGEMENT	56,290	53,080	69,290	86,130
ADVANCED NUCLEAR SYSTEMS	5,820	5,820	2,850	4,000

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF OHIO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OPS.	BO	BA	BO
	-----	-----	-----	-----
BREEDER	1,440	1,440	440	440
MAGNETIC FUSION				
MAGNETIC FUSION	20	20	20	20
ELECTRIC ENERGY				
SYSTEMS AND STORAGE				
ELECTRIC ENERGY	500	725	733	1,000
ENERGY STORAGE				
SYSTEMS	2,510	1,831	6,200	3,600
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	355	347	96	92
DECONTAMINATION AND				
DECOMMISSIONING	701	669	1,165	1,119
BASIC RESEARCH				
BASIC ENERGY SCIENCES	2,164	2,275	2,369	2,539
TOTAL OPERATING EXPENSES	101,350	83,585	136,693	132,367
CAPITAL EQUIPMENT				
NUCLEAR				
CONVERTER	30	30	0	0
COMMERCIAL WASTE				
MANAGEMENT	3,510	1,950	4,265	2,894
ADVANCED NUCLEAR				
SYSTEMS	600	425	350	350
BASIC RESEARCH				
BASIC ENERGY SCIENCES	90	87	115	111
TOTAL CAPITAL EQUIPMENT	4,230	2,492	4,730	3,355
CONSTRUCTION				
SOLAR TECHNOLOGY				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF OHIO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BU	BA	BU
SOLAR TECHNOLOGY	0	2,000	0	0
TOTAL CONSTRUCTION	0	2,000	0	0
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	105,580	88,077	141,423	135,722
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	5,873	8,861	5,200	6,500
PETROLEUM				
PETROLEUM	0	300	0	700
GAS				
GAS	0	496	0	0
TOTAL OPERATING EXPENSES	5,873	9,657	5,200	7,200
CAPITAL EQUIPMENT				
COAL				
COAL	30	30	0	15
TOTAL CAPITAL EQUIPMENT	30	30	0	15
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	5,903	9,687	5,200	7,215
URANIUM ENRICHMENT				
OPERATING EXPENSES				
URANIUM ENRICHMENT				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF OHIO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OMB,	BO	BA	BO
	-----	-----	-----	-----
URANIUM ENRICHMENT ACTIVITIES	311,073	307,611	183,870	185,574
TOTAL OPERATING EXPENSES	311,073	307,611	183,870	185,574
CAPITAL EQUIPMENT				
URANIUM ENRICHMENT URANIUM ENRICHMENT ACTIVITIES	8,250	5,885	7,945	8,320
TOTAL CAPITAL EQUIPMENT	8,250	5,885	7,945	8,320
CONSTRUCTION				
URANIUM ENRICHMENT URANIUM ENRICHMENT ACTIVITIES	110,555	134,753	180,185	168,890
TOTAL CONSTRUCTION	110,555	134,753	180,185	168,890
TOTAL URANIUM ENRICHMENT	429,878	448,249	372,000	362,784
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND CONSERVATION GRANT PROGRAM	1,938	1,938	0	485
ENERGY CONSERVATION AND PRODUCTION GRANT PROGRAM	825	767	0	304
HOSPITAL AND SCHOOL GRANT PROGRAM	3,801	2,417	0	6,658
LOCAL GOVERNMENT BUILDINGS GRANT PROGRAM	2,194	721	0	800
WEATHERIZATION ASSISTANCE PROGRAM	11,605	7,543	11,605	10,154

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF OHIO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	ORS.	BU	RA	BU
	-----	-----	-----	-----
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	700	575	225	180
INDUSTRIAL	931	673	987	766
TRANSPORTATION	43,510	34,450	39,080	31,146
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	4,112	2,710
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	65,504	49,084	56,009	53,203
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
CONSERVATION				
TRANSPORTATION	0	0	700	650
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	0	0	700	650
	-----	-----	-----	-----
TOTAL ENERGY CONSERVATION	65,504	49,084	56,709	53,853
	-----	-----	-----	-----
ECONOMIC REGULATORY				
ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
COAL UTILIZATION	0	186	0	0
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	39	192	192
COMPLIANCE	442	309	0	133
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	634	534	192	325
	-----	-----	-----	-----
TOTAL ECONOMIC REGULATORY				
ADMINISTRATION	634	534	192	325
	-----	-----	-----	-----
DEPARTMENTAL ADMINISTRATION				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF OHIO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BO	HA	BO
	-----	-----	-----	-----
OPERATING EXPENSES				
POLICY & MANAGEMENT				
POLICY ANALYSIS			0	0
AND SYSTEMS STUDIES	78	78		
INTERGOVERNMENTAL AND			15	15
INSTITUTIONAL RELATIONS	15	15		
IN-HOUSE ENERGY			235	301
MANAGEMENT	96	30		
COST OF WORK			1,775	1,775
FOR OTHERS	1,067	1,042		
MISCELLANEOUS			-1,647	-1,647
REVENUES	-1,308	-1,308		
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	-52	-143	378	444
	-----	-----	-----	-----
CONSTRUCTION				
POLICY & MANAGEMENT				
IN-HOUSE ENERGY			5,862	2,133
MANAGEMENT	355	113		
	-----	-----	-----	-----
TOTAL CONSTRUCTION	355	113	5,862	2,133
	-----	-----	-----	-----
TOTAL DEPARTMENTAL ADMINISTRATION	303	-30	6,240	2,577
	-----	-----	-----	-----
TOTAL OHIO	\$ 688,413	\$ 670,805	\$ 674,039	\$ 647,291
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JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF OKLAHOMA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	DBS,	BU	BA	BU
	-----	-----	-----	-----
GENERAL SCIENCE AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
HIGH ENERGY PHYSICS	0	0	15	15
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	0	0	15	15
	-----	-----	-----	-----
TOTAL GENERAL SCIENCE AND RESEARCH	0	0	15	15
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	64	180	0	0
GEOHERMAL				
GEOHERMAL	400	470	190	190
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	473	460	141	138
BASIC RESEARCH				
BASIC ENERGY SCIENCES	177	174	191	188
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	1,114	1,284	522	516
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
BASIC RESEARCH				
BASIC ENERGY SCIENCES	40	38	12	11
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	40	38	12	11

JANUARY 31, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF OKLAHOMA
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	ROI	BA	ROI
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	----- ----- 1,154 -----	----- ----- 1,322 -----	----- ----- 534 -----	----- ----- 527 -----
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	1,505	820	850	1,518
PETROLEUM				
PETROLEUM	16,781	28,214	8,800	12,455
GAS				
GAS	5,510	5,142	4,900	4,925
TOTAL OPERATING EXPENSES	23,796	34,176	14,550	18,898
CAPITAL EQUIPMENT				
PETROLEUM				
PETROLEUM	600	341	500	450
GAS				
GAS	158	106	100	125
TOTAL CAPITAL EQUIPMENT	758	447	600	575
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	24,554	34,623	15,150	19,473
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF OKLAHOMA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BO	BA	BO
	-----	-----	-----	-----
ENERGY POLICY AND CONSERVATION GRANT PROGRAM	658	658	0	165
ENERGY CONSERVATION AND PRODUCTION GRANT PROGRAM	280	260	0	106
HOSPITAL AND SCHOOL GRANT PROGRAM	1,324	842	0	1,730
LOCAL GOVERNMENT BUILDINGS GRANT PROGRAM	763	252	0	216
WEATHERIZATION ASSISTANCE PROGRAM	1,752	1,139	1,752	1,533
CONSERVATION INDUSTRIAL TRANSPORTATION	1,200	1,200	1,272	1,272
STATE ENERGY MANAGEMENT AND PLANNING	470	470	300	300
	0	0	1,391	918
TOTAL OPERATING EXPENSES	6,447	4,821	4,715	6,240
CAPITAL EQUIPMENT				
CONSERVATION INDUSTRIAL	50	50	50	50
TOTAL CAPITAL EQUIPMENT	50	50	50	50
TOTAL ENERGY CONSERVATION	6,497	4,871	4,765	6,290
ENERGY INFORMATION ADMINISTRATION				
OPERATING EXPENSES				
ENERGY INFORMATION COLLECTION, PRODUCTION, AND DISSEMINATION	1,707	1,207	2,707	3,207
TOTAL OPERATING EXPENSES	1,707	1,207	2,707	3,207

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF OKLAHOMA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	'80	BA	BI
TOTAL ENERGY INFORMATION ADMINISTRATION	1,707	1,207	2,707	3,207
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND REGULATORY INTERVENTION	192	141	192	192
COMPLIANCE	901	631	1,716	1,471
TOTAL OPERATING EXPENSES	1,093	772	1,908	1,663
TOTAL ECONOMIC REGULATORY ADMINISTRATION	1,093	772	1,908	1,663
SOUTHWESTERN POWER ADMIN. - OPERATION AND MAINTENANCE				
OPERATING EXPENSES				
POWER MARKETING				
POWER MARKETING	10,863	10,650	11,175	11,175
TOTAL OPERATING EXPENSES	10,863	10,650	11,175	11,175
TOTAL SOUTHWESTERN POWER ADMIN. - OPERATION AND MAINTENANCE	10,863	10,650	11,175	11,175
DEPARTMENTAL ADMINISTRATION				
OPERATING EXPENSES				
POLICY & MANAGEMENT				
POLICY ANALYSIS AND SYSTEMS STUDIES	86	86	0	0

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF OKLAHOMA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
TOTAL OPERATING EXPENSES	86	86	0	0
CONSTRUCTION				
POLICY & MANAGEMENT				
IN-HOUSE ENERGY	0	0	195	119
MANAGEMENT				
TOTAL CONSTRUCTION	0	0	195	119
TOTAL DEPARTMENTAL ADMINISTRATION	86	86	195	119
TOTAL OKLAHOMA	\$ 45,954	\$ 53,531	\$ 36,449	\$ 42,469

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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF OREGON
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
	-----	-----	-----	-----
GENERAL SCIENCE AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
HIGH ENERGY PHYSICS	155	155	170	170
NUCLEAR PHYSICS	16	16	25	25
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	171	171	195	195
	-----	-----	-----	-----
TOTAL GENERAL SCIENCE AND RESEARCH	171	171	195	195
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	224	848	0	0
GEOHERMAL				
GEOHERMAL	3,728	2,851	705	2,066
BIOMASS				
BIOMASS	2,070	1,256	2,470	2,770
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	397	389	438	430
BASIC RESEARCH				
BASIC ENERGY SCIENCES	215	215	180	180
TECHNICAL ASSESSMENTS PROJECTS	500	500	500	500
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	7,134	6,059	4,293	5,946
	-----	-----	-----	-----
TOTAL ENERGY SUPPLY RESEARCH				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF OREGON
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS,	BU	BA	BU
AND DEVELOPMENT	7,134	6,059	4,293	5,946
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	48	50	0	0
TOTAL OPERATING EXPENSES	48	50	0	0
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	48	50	0	0
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND CONSERVATION GRANT PROGRAM	586	586	0	147
ENERGY CONSERVATION AND PRODUCTION GRANT PROGRAM	250	233	0	95
HOSPITAL AND SCHOOL GRANT PROGRAM	1,181	751	0	1,533
LOCAL GOVERNMENT BUILDINGS GRANT PROGRAM	682	224	0	192
WEATHERIZATION ASSISTANCE PROGRAM	2,391	1,554	2,391	2,092
CONSERVATION				
TRANSPORTATION	60	60	0	0
STATE ENERGY MANAGEMENT AND PLANNING	0	0	1,238	810
TOTAL OPERATING EXPENSES	5,150	3,408	3,629	4,869
TOTAL ENERGY CONSERVATION	5,150	3,408	3,629	4,869

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF OREGON
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
	-----	-----	-----	-----
	-----	-----	-----	-----
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	39	192	192
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	192	39	192	192
	-----	-----	-----	-----
TOTAL ECONOMIC REGULATORY ADMINISTRATION	192	39	192	192
	-----	-----	-----	-----
TOTAL OREGON	\$ 12,695	\$ 9,727	\$ 8,309	\$ 11,202
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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF PENNSYLVANIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	DBS.	BO	BA	BO
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	872	872	300	300
NAVAL REACTORS				
DEVELOPMENT	120,465	95,693	82,475	97,342
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	121,337	96,565	83,275	97,642
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
NAVAL REACTORS				
DEVELOPMENT	15,050	10,050	9,100	10,300
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	15,050	10,050	9,100	10,300
	-----	-----	-----	-----
CONSTRUCTION				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
NAVAL REACTORS				
DEVELOPMENT	1,100	800	13,010	2,750
	-----	-----	-----	-----
TOTAL CONSTRUCTION	1,100	800	13,010	2,750
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY				
DEFENSE ACTIVITIES	137,487	107,415	105,385	110,692
	-----	-----	-----	-----
GENERAL SCIENCE				
AND RESEARCH				
OPERATING EXPENSES				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF PENNSYLVANIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BO	BA	BO
	-----	-----	-----	-----
BASIC SCIENCES				
LIFE SCIENCES RESEARCH				
AND BIOMEDICAL APPLICATION	231	230	239	231
HIGH ENERGY PHYSICS	2,655	2,630	2,860	2,825
NUCLEAR PHYSICS	670	670	730	730
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	3,556	3,530	3,829	3,786
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
BASIC SCIENCES				
HIGH ENERGY PHYSICS	292	227	330	147
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	292	227	330	147
	-----	-----	-----	-----
TOTAL GENERAL SCIENCE				
AND RESEARCH	3,848	3,757	4,159	3,933
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH				
AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	5,060	5,414	5,500	5,500
GEOHERMAL				
GEOHERMAL	280	315	150	170
BIOMASS				
BIOMASS	1,050	900	950	1,100
NUCLEAR				
CONVERTER	360	360	150	150
ADVANCED NUCLEAR				
SYSTEMS	1,610	1,646	400	400
BREEDER	71,765	65,432	76,919	77,185

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF PENNSYLVANIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
	-----	-----	-----	-----
MAGNETIC FUSION				
MAGNETIC FUSION	3,180	3,180	520	520
ELECTRIC ENERGY				
SYSTEMS AND STORAGE				
ELECTRIC ENERGY	5,036	4,850	1,826	4,789
ENERGY STORAGE				
SYSTEMS	671	690	450	450
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	1,339	1,308	1,251	1,216
BASIC RESEARCH				
BASIC ENERGY SCIENCES	824	953	928	926
TOTAL OPERATING EXPENSES	91,175	85,048	89,044	92,406
CAPITAL EQUIPMENT				
NUCLEAR				
ADVANCED NUCLEAR				
SYSTEMS	60	120	0	0
BREEDER	3,100	3,360	2,100	2,100
ELECTRIC ENERGY				
SYSTEMS AND STORAGE				
ENERGY STORAGE				
SYSTEMS	0	0	20	10
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	0	46	0	0
BASIC RESEARCH				
BASIC ENERGY SCIENCES	5	5	6	6
TOTAL CAPITAL EQUIPMENT	3,165	3,531	2,126	2,116

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF PENNSYLVANIA
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	089.	80	8A	80
	-----	-----	-----	-----
CONSTRUCTION				
NUCLEAR BREEDER	9,000	384	0	6,200
TOTAL CONSTRUCTION	9,000	384	0	6,200
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	103,340	88,963	91,170	100,722
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL COAL	56,745	47,359	32,495	33,587
PETROLEUM PETROLEUM	83	200	0	0
TOTAL OPERATING EXPENSES	56,828	47,559	32,495	33,587
CAPITAL EQUIPMENT				
COAL COAL	1,387	1,029	950	952
TOTAL CAPITAL EQUIPMENT	1,387	1,029	950	952
CONSTRUCTION				
COAL COAL	1,313	1,313	0	500
TOTAL CONSTRUCTION	1,313	1,313	0	500
TOTAL FOSSIL ENERGY RESEARCH				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF PENNSYLVANIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	0BS.	80	8A	80
	-----	-----	-----	-----
AND DEVELOPMENT	59,528	49,901	33,445	35,039
	-----	-----	-----	-----
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	2,118	2,118	0	530
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	906	843	0	344
HOSPITAL AND SCHOOL				
GRANT PROGRAM	4,154	2,641	0	7,259
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	2,399	790	0	872
WEATHERIZATION ASSISTANCE				
PROGRAM	13,665	8,882	13,665	11,957
CONSERVATION MULTI-SECTOR				
APPROPRIATE TECHNOLOGY	1,133	1,133	881	881
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	400	325	350	335
INDUSTRIAL	3,031	2,790	3,215	3,215
TRANSPORTATION	425	405	350	293
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	4,495	2,960
TOTAL OPERATING EXPENSES	28,231	19,927	22,956	28,646
TOTAL ENERGY CONSERVATION	28,231	19,927	22,956	28,646
	-----	-----	-----	-----
ENERGY-INFORMATION				
ADMINISTRATION				
OPERATING EXPENSES				
ENERGY INFORMATION				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF PENNSYLVANIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	BU	BA	BU
DATA VALIDATION	129	129	129	129
TOTAL OPERATING EXPENSES	129	129	129	129
TOTAL ENERGY INFORMATION ADMINISTRATION	129	129	129	129
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
COAL UTILIZATION	121	121	150	150
UTILITY PROGRAM AND REGULATORY INTERVENTION	192	39	192	192
COMPLIANCE	5,860	5,727	5,456	5,589
FUELS REGULATION	157	157	111	111
EMERGENCY PREPAREDNESS	0	34	0	0
TOTAL OPERATING EXPENSES	6,330	6,078	5,909	6,042
TOTAL ECONOMIC REGULATORY ADMINISTRATION	6,330	6,078	5,909	6,042
DEPARTMENTAL ADMINISTRATION				
OPERATING EXPENSES				
POLICY & MANAGEMENT				
MANAGEMENT AND SUPPORT	1,341	1,341	1,433	1,433
IN-HOUSE ENERGY MANAGEMENT	120	0	0	120
MISCELLANEOUS REVENUES	-10,615	-10,615	-9,401	-9,401
CHANGES IN INVENTORIES, WORKING CAPITAL	0	0	115	115
TOTAL OPERATING EXPENSES	-9,154	-9,274	-7,853	-7,733

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF PENNSYLVANIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	BU	HA	BIT
	-----	-----	-----	-----
	-----	-----	-----	-----
TOTAL DEPARTMENTAL ADMINISTRATION	-9,154	-9,274	-7,853	-7,733
	-----	-----	-----	-----
TOTAL PENNSYLVANIA	\$ 329,739	\$ 266,896	\$ 255,300	\$ 277,470
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JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE TERRITORY OF PUERTO RICO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	08S, -----	80 -----	BA -----	80 -----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	0	500	0	0
BIOMASS				
BIOMASS	300	100	300	400
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	1,090	1,064	1,199	1,174
DECONTAMINATION AND DECOMMISSIONING	722	705	32	51
BASIC RESEARCH				
UNIVERSITY RESEARCH SUPPORT	0	0	950	950
TOTAL OPERATING EXPENSES	2,112	2,369	2,481	2,555
CAPITAL EQUIPMENT				
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	30	20	0	10
TOTAL CAPITAL EQUIPMENT	30	20	0	10
CONSTRUCTION				
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	0	70	0	60
TOTAL CONSTRUCTION	0	70	0	60

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE TERRITORY OF PUERTO RICO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	US\$,	BO	BA	BO
	-----	-----	-----	-----
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	2,142	2,459	2,481	2,625
	-----	-----	-----	-----
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	361	361	0	90
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	292	272	0	100
HOSPITAL AND SCHOOL				
GRANT PROGRAM	1,382	879	0	1,936
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	800	263	0	240
CONSERVATION				
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	1,540	1,000
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	2,835	1,775	1,540	3,366
	-----	-----	-----	-----
TOTAL ENERGY CONSERVATION	2,835	1,775	1,540	3,366
	-----	-----	-----	-----
ECONOMIC REGULATORY				
ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	298	192	192
COMPLIANCE	111	78	0	33
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	303	376	192	225
	-----	-----	-----	-----
TOTAL ECONOMIC REGULATORY				
ADMINISTRATION	303	376	192	225

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE TERRITORY OF PUERTO RICO
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	80	BA	80
	-----	-----	-----	-----
	-----	-----	-----	-----
DEPARTMENTAL ADMINISTRATION				
OPERATING EXPENSES				
POLICY & MANAGEMENT				
INTERGOVERNMENTAL AND				
INSTITUTIONAL RELATIONS	350	350	0	0
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	350	350	0	0
	-----	-----	-----	-----
TOTAL DEPARTMENTAL ADMINISTRATION	350	350	0	0
	-----	-----	-----	-----
TOTAL PUERTO RICO	\$ 5,630	\$ 4,960	\$ 4,213	\$ 6,216
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JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF RHODE ISLAND
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	RU	BA	RU
	-----	-----	-----	-----
GENERAL SCIENCE AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH AND BIOMEDICAL APPLICATION	81	80	83	80
HIGH ENERGY PHYSICS	577	577	640	640
NUCLEAR PHYSICS	75	75	80	80
-----	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	733	732	803	800
-----	-----	-----	-----	-----
TOTAL GENERAL SCIENCE AND RESEARCH	733	732	803	800
-----	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
GEO THERMAL				
GEO THERMAL	200	233	200	200
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	41	40	46	45
BASIC RESEARCH				
BASIC ENERGY SCIENCES	343	347	209	358
-----	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	584	620	455	603
-----	-----	-----	-----	-----
CAPITAL EQUIPMENT				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	14	14	0	0
-----	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	14	14	0	0
-----	-----	-----	-----	-----

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF RHODE ISLAND
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	HO	RA	BI)
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	598	634	455	603
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	361	361	0	90
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	153	142	0	58
HOSPITAL AND SCHOOL				
GRANT PROGRAM	800	509	0	965
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	462	151	0	122
WEATHERIZATION ASSISTANCE				
PROGRAM	1,371	891	1,371	1,200
CONSERVATION				
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	760	500
TOTAL OPERATING EXPENSES	3,147	2,054	2,131	2,935
TOTAL ENERGY CONSERVATION	3,147	2,054	2,131	2,935
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	39	192	192
TOTAL OPERATING EXPENSES	192	39	192	192

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF RHODE ISLAND
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	HU	BA	HU
	-----	-----	-----	-----
TOTAL ECONOMIC REGULATORY ADMINISTRATION	192	39	192	192
	-----	-----	-----	-----
TOTAL RHODE ISLAND	\$ 4,670	\$ 3,459	\$ 3,581	\$ 4,530
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JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF SOUTH CAROLINA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	DBS.	BO	BA	BO
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES	18,975	18,675	19,200	19,600
MATERIALS PRODUCTION	186,770	182,330	182,780	172,150
DEFENSE WASTE				
MANAGEMENT	52,899	47,687	90,089	82,797
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	258,644	248,692	292,069	274,547
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES	1,125	940	1,100	1,100
MATERIALS PRODUCTION	16,425	11,500	20,850	18,445
DEFENSE WASTE				
MANAGEMENT	2,075	1,103	814	745
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	19,625	13,543	22,764	20,290
	-----	-----	-----	-----
CONSTRUCTION				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES	-2,885	3,211	9,100	5,599
MATERIALS PRODUCTION	15,227	18,446	17,840	26,600
DEFENSE WASTE				
MANAGEMENT	28,100	58,715	29,270	52,355
	-----	-----	-----	-----
TOTAL CONSTRUCTION	40,442	80,372	56,210	84,554
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY				
DEFENSE ACTIVITIES	318,711	342,607	371,043	379,391
	-----	-----	-----	-----

JANUARY 31, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF SOUTH CAROLINA
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
	-----	-----	-----	-----
GENERAL SCIENCE AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH AND BIOMEDICAL APPLICATION	44	44	45	44
-----	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	44	44	45	44
-----	-----	-----	-----	-----
TOTAL GENERAL SCIENCE AND RESEARCH	44	44	45	44
-----	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
NUCLEAR				
COMMERCIAL WASTE MANAGEMENT	400	400	0	0
SPENT FUEL DISPOSITION	3,642	3,642	18,000	17,000
ADVANCED NUCLEAR SYSTEMS	5,700	5,700	6,000	6,000
BREEDER	18,387	19,879	87	3,204
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	1,956	1,910	2,111	2,068
DECONTAMINATION AND DECOMMISSIONING	5	5	5	5
BASIC RESEARCH				
BASIC ENERGY SCIENCES	40	40	43	43
-----	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	30,130	31,576	26,246	28,320
-----	-----	-----	-----	-----

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF SOUTH CAROLINA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	BU.	BA	BU
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
NUCLEAR				
SPENT FUEL				
DISPOSITION	0	0	2,000	1,000
ADVANCED NUCLEAR				
SYSTEMS	300	215	300	300
BREEDER	40	522	109	364
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	240	188	530	457
TOTAL CAPITAL EQUIPMENT	580	925	2,939	2,121
CONSTRUCTION				
NUCLEAR				
SPENT FUEL				
DISPOSITION	4,800	800	0	0
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	805	694	600	544
TOTAL CONSTRUCTION	5,605	1,494	600	544
TOTAL ENERGY SUPPLY RESEARCH				
AND DEVELOPMENT	36,315	33,995	29,785	30,985
URANIUM ENRICHMENT				
OPERATING EXPENSES				
URANIUM ENRICHMENT				
URANIUM ENRICHMENT				
ACTIVITIES	800	995	800	800
URANIUM RESOURCE				

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF SOUTH CAROLINA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS,	80	BA	80
ASSESSMENT	2,250	2,800	2,000	2,000
TOTAL OPERATING EXPENSES	3,050	3,795	2,800	2,800
CAPITAL EQUIPMENT				
URANIUM ENRICHMENT				
URANIUM RESOURCE				
ASSESSMENT	170	110	150	250
TOTAL CAPITAL EQUIPMENT	170	110	150	250
TOTAL URANIUM ENRICHMENT	3,220	3,905	2,950	3,050
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	670	670	0	168
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	285	265	0	108
HOSPITAL AND SCHOOL				
GRANT PROGRAM	1,296	824	0	1,633
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	748	245	0	206
WEATHERIZATION ASSISTANCE				
PROGRAM	985	640	985	862
CONSERVATION				
INDUSTRIAL	118	90	125	125
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	1,416	930
TOTAL OPERATING EXPENSES	4,102	2,734	2,526	4,032
TOTAL ENERGY CONSERVATION	4,102	2,734	2,526	4,032

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF SOUTH CAROLINA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
	-----	-----	-----	-----
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	39	192	192
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	192	39	192	192
	-----	-----	-----	-----
TOTAL ECONOMIC REGULATORY ADMINISTRATION	192	39	192	192
	-----	-----	-----	-----
DEPARTMENTAL ADMINISTRATION				
OPERATING EXPENSES				
POLICY & MANAGEMENT				
MANAGEMENT AND SUPPORT	6,837	6,837	7,234	7,234
INTERGOVERNMENTAL AND				
INSTITUTIONAL RELATIONS	115	115	115	115
IN-HOUSE ENERGY				
MANAGEMENT	200	100	600	700
COST OF WORK				
FOR OTHERS	417	297	430	430
MISCELLANEOUS				
REVENUES	-1,855	-1,855	-3,890	-3,890
CHANGES IN INVENTORIES,				
WORKING CAPITAL	0	0	5,662	5,662
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	5,714	5,494	10,151	10,251
	-----	-----	-----	-----
CONSTRUCTION				
POLICY & MANAGEMENT				
IN-HOUSE ENERGY				
MANAGEMENT	0	0	1,512	922

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF SOUTH CAROLINA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	BU	HA	BU
	-----	-----	-----	-----
PLANT ENGINEERING AND DESIGN	905	460	0	0
	-----	-----	-----	-----
TOTAL CONSTRUCTION	905	460	1,512	922
	-----	-----	-----	-----
TOTAL DEPARTMENTAL ADMINISTRATION	6,619	5,954	11,663	11,173
	-----	-----	-----	-----
TOTAL SOUTH CAROLINA	\$ 369,203	\$ 389,278	\$ 418,204	\$ 428,867
	=====	=====	=====	=====

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF SOUTH DAKOTA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	BO	BA	BO
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY	69	69	0	0
SOLAR TECHNOLOGY				
GEOTHERMAL	370	717	32	180
GEOTHERMAL	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	439	786	32	180
	-----	-----	-----	-----
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	439	786	32	180
	-----	-----	-----	-----
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL	235	4,200	0	1,035
COAL	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	235	4,200	0	1,035
	-----	-----	-----	-----
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	235	4,200	0	1,035
	-----	-----	-----	-----
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND CONSERVATION GRANT PROGRAM	321	321	0	80
ENERGY CONSERVATION AND PRODUCTION GRANT PROGRAM	137	127	0	52
HOSPITAL AND SCHOOL				

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF SOUTH DAKOTA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	HO	BA	HO
GRANT PROGRAM	848	539	0	922
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	492	162	0	119
WEATHERIZATION ASSISTANCE PROGRAM	1,373	692	1,373	1,201
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	5	5	0	0
STATE ENERGY MANAGEMENT AND PLANNING	0	0	674	444
TOTAL OPERATING EXPENSES	3,176	2,046	2,047	2,818
TOTAL ENERGY CONSERVATION	3,176	2,046	2,047	2,818
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND REGULATORY INTERVENTION	192	39	192	192
TOTAL OPERATING EXPENSES	192	39	192	192
TOTAL ECONOMIC REGULATORY ADMINISTRATION	192	39	192	192
POWER MARKETING FUND - WESTERN AREA POWER ADMIN.				
OPERATING EXPENSES				
POWER MARKETING				
POWER MARKETING	6,823	7,788	10,376	10,376
TOTAL OPERATING EXPENSES	6,823	7,788	10,376	10,376

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF SOUTH DAKOTA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BO	HA	BO
	-----	-----	-----	-----
	-----	-----	-----	-----
TOTAL POWER MARKETING FUND - WESTERN AREA POWER ADMIN.	6,823	7,786	10,576	10,376
	-----	-----	-----	-----
TOTAL SOUTH DAKOTA	\$ 10,865	\$ 14,859	\$ 12,647	\$ 14,601
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DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF TENNESSEE
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS,	NU	HA	BU
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES	114,150	109,215	141,150	134,500
VERIFICATION AND				
CONTROL TECHNOLOGY	70	70	100	100
MATERIALS PRODUCTION	8,353	8,257	12,545	10,545
DEFENSE WASTE				
MANAGEMENT	5,919	5,270	9,817	9,625
NUCLEAR MATERIALS				
SECURITY AND SAFEGUARDS	2,805	2,505	3,000	2,850
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	131,297	125,317	166,612	157,620
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES	4,050	3,360	3,800	4,200
MATERIALS PRODUCTION	0	0	415	270
DEFENSE WASTE				
MANAGEMENT	385	198	461	445
NUCLEAR MATERIALS				
SECURITY AND SAFEGUARDS	150	280	100	220
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	4,585	3,838	4,776	5,135
	-----	-----	-----	-----
CONSTRUCTION				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES	29,069	19,689	35,700	33,610
MATERIALS PRODUCTION	3	455	0	0
DEFENSE WASTE				
MANAGEMENT	1,875	6,512	4,800	6,401

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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF TENNESSEE
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS	BU	BA	BU
TOTAL CONSTRUCTION	30,947	26,656	40,500	40,011
TOTAL ATOMIC ENERGY DEFENSE ACTIVITIES	166,829	155,811	211,888	202,766
GENERAL SCIENCE AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH AND BIOMEDICAL APPLICATION	8,164	8,067	8,168	7,854
HIGH ENERGY PHYSICS	590	585	635	630
NUCLEAR PHYSICS	6,084	6,004	7,020	6,845
TOTAL OPERATING EXPENSES	14,838	14,656	15,823	15,329
CAPITAL EQUIPMENT				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH AND BIOMEDICAL APPLICATION	225	135	255	130
HIGH ENERGY PHYSICS	46	46	50	20
NUCLEAR PHYSICS	785	710	1,070	1,040
TOTAL CAPITAL EQUIPMENT	1,056	891	1,375	1,190
CONSTRUCTION				
BASIC SCIENCES				
NUCLEAR PHYSICS	0	1,350	0	1,274
TOTAL CONSTRUCTION	0	1,350	0	1,274
TOTAL GENERAL SCIENCE AND RESEARCH	15,894	16,897	17,198	17,793

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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF TENNESSEE
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	BU	BA	BU
	-----	-----	-----	-----
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR APPLICATIONS				
SOLAR APPLICATIONS	5,217	4,847	8,122	8,023
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	2,457	2,999	1,300	1,300
GEOTHERMAL				
GEOTHERMAL	945	945	700	700
BIOMASS				
BIOMASS	150	183	50	50
HYDROPOWER				
HYDROPOWER	335	335	300	300
NUCLEAR				
CONVERTER	11,629	10,605	5,680	5,895
COMMERCIAL WASTE MANAGEMENT	3,426	3,213	2,029	2,350
SPENT FUEL DISPOSITION	200	200	0	0
ADVANCED NUCLEAR SYSTEMS	7,006	7,656	2,750	3,900
BREEDER	216,249	238,966	35,265	36,000
MAGNETIC FUSION				
MAGNETIC FUSION	39,320	39,320	36,465	36,465
ELECTRIC ENERGY SYSTEMS AND STORAGE				
ELECTRIC ENERGY ENERGY STORAGE SYSTEMS	4,460	5,140	6,600	5,550
	2,425	2,025	2,650	2,650

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DEPARTMENT OF ENERGY
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 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	HA	BU
	-----	-----	-----	-----
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	23,319	22,746	24,392	23,676
DECONTAMINATION AND				
DECOMMISSIONING	2,395	2,160	3,032	2,425
BASIC RESEARCH				
BASIC ENERGY SCIENCES	35,349	34,799	39,204	38,077
TOTAL OPERATING EXPENSES	354,882	376,139	168,539	167,361
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	0	25	0	0
GEOTHERMAL				
GEOTHERMAL	0	50	0	0
NUCLEAR				
CONVERTER	1,510	1,200	400	610
COMMERCIAL WASTE				
MANAGEMENT	55	55	165	215
ADVANCED NUCLEAR				
SYSTEMS	110	110	50	100
BREEDER	3,048	2,323	4,226	3,224
MAGNETIC FUSION				
MAGNETIC FUSION	7,140	5,525	7,910	7,571
ELECTRIC ENERGY				
SYSTEMS AND STORAGE				
ELECTRIC ENERGY	100	50	0	20
ENERGY STORAGE				
SYSTEMS	105	49	300	150
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	2,024	1,630	1,824	1,466
DECONTAMINATION AND				

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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF TENNESSEE
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BO	BA	BO
DECOMMISSIONING	25	25	0	0
BASIC RESEARCH				
BASIC ENERGY SCIENCES	2,400	2,287	2,580	2,116
TOTAL CAPITAL EQUIPMENT	16,517	13,329	17,455	15,472
CONSTRUCTION				
NUCLEAR				
BREEDER	6,000	3,510	6,400	3,500
MAGNETIC FUSION				
MAGNETIC FUSION	70	2,667	3,500	2,800
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	2,864	1,814	1,800	2,219
BASIC RESEARCH				
BASIC ENERGY SCIENCES	0	5,436	0	2,535
TOTAL CONSTRUCTION	8,934	13,427	11,700	11,054
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	380,333	402,895	197,694	193,887
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	15,608	15,442	10,570	9,700
PETROLEUM				
PETROLEUM	649	650	0	0
GAS				

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DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF TENNESSEE
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UES.	HU	HA	HU
GAS	0	100	0	0
TOTAL OPERATING EXPENSES	16,257	16,192	10,570	9,700
CAPITAL EQUIPMENT				
COAL				
COAL	200	238	100	168
TOTAL CAPITAL EQUIPMENT	200	238	100	168
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	16,457	16,430	10,670	9,868
URANIUM ENRICHMENT				
OPERATING EXPENSES				
URANIUM ENRICHMENT URANIUM ENRICHMENT ACTIVITIES	-758,958	-763,281	-575,493	-517,925
URANIUM RESOURCE ASSESSMENT	2,920	3,020	2,630	2,600
TOTAL OPERATING EXPENSES	-756,038	-760,261	-572,863	-515,325
CAPITAL EQUIPMENT				
URANIUM ENRICHMENT URANIUM ENRICHMENT ACTIVITIES	-21,833	-23,940	-18,140	-19,135
URANIUM RESOURCE ASSESSMENT	225	359	156	213
TOTAL CAPITAL EQUIPMENT	-21,608	-23,581	-17,984	-18,922
CONSTRUCTION				

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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF TENNESSEE
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
	-----	-----	-----	-----
URANIUM ENRICHMENT				
URANIUM ENRICHMENT				
ACTIVITIES	-122,251	-113,112	-327,403	-365,769
	-----	-----	-----	-----
TOTAL CONSTRUCTION	-122,251	-113,112	-327,403	-365,769
	-----	-----	-----	-----
TOTAL URANIUM ENRICHMENT	-899,897	-896,954	-918,250	-900,016
	-----	-----	-----	-----
ENERGY PRODUCTION, DEMONSTRATION AND DISTRIBUTION				
OPERATING EXPENSES				
SOLAR				
SOLAR	125	125	125	125
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	125	125	125	125
	-----	-----	-----	-----
TOTAL ENERGY PRODUCTION, DEMONSTRATION AND DISTRIBUTION	125	125	125	125
	-----	-----	-----	-----
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	894	894	0	224
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	379	352	0	144
HOSPITAL AND SCHOOL				
GRANT PROGRAM	1,753	1,115	0	2,487
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	1,013	296	0	303
WEATHERIZATION ASSISTANCE				
PROGRAM	3,146	2,045	3,146	2,753
CONSERVATION				

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF TENNESSEE
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS,	BU	BA	BO
	-----	-----	-----	-----
BUILDINGS AND COMMUNITY SYSTEMS	13,158	11,574	13,353	12,007
INDUSTRIAL	421	421	446	446
TRANSPORTATION	987	710	720	735
STATE ENERGY MANAGEMENT AND PLANNING	0	0	1,894	1,250
TOTAL OPERATING EXPENSES	21,751	17,407	19,559	20,349
CAPITAL EQUIPMENT				
CONSERVATION BUILDINGS AND COMMUNITY SYSTEMS	208	85	550	220
TOTAL CAPITAL EQUIPMENT	208	85	550	220
TOTAL ENERGY CONSERVATION	21,959	17,492	20,109	20,569
ENERGY INFORMATION ADMINISTRATION				
OPERATING EXPENSES				
ENERGY INFORMATION ENERGY APPLIED ANALYSIS	239	239	239	239
COLLECTION, PRODUCTION, AND DISSEMINATION	236	236	236	236
DATA VALIDATION	2,010	1,610	3,790	3,190
TOTAL OPERATING EXPENSES	2,485	2,085	4,265	3,665
TOTAL ENERGY INFORMATION ADMINISTRATION	2,485	2,085	4,265	3,665
ECONOMIC REGULATORY ADMINISTRATION				

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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF TENNESSEE
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	HA	BU
	-----	-----	-----	-----
OPERATING EXPENSES				
REGULATION				
COAL UTILIZATION	2,023	405	2,958	3,550
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	151	192	192
EMERGENCY PREPAREDNESS	0	158	0	0
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	2,215	714	3,150	3,742
	-----	-----	-----	-----
TOTAL ECONOMIC REGULATORY				
ADMINISTRATION	2,215	714	3,150	3,742
	-----	-----	-----	-----
DEPARTMENTAL ADMINISTRATION				
OPERATING EXPENSES				
POLICY & MANAGEMENT				
POLICY ANALYSIS				
AND SYSTEMS STUDIES	543	625	200	200
INTERNATIONAL AFFAIRS	150	150	100	100
MANAGEMENT AND SUPPORT	21,227	21,227	22,915	22,915
INTERGOVERNMENTAL AND				
INSTITUTIONAL RELATIONS	13,151	13,151	15,223	15,223
IN-HOUSE ENERGY				
MANAGEMENT	323	0	375	698
COST OF WORK				
FOR OTHERS	14,251	13,336	15,947	15,947
MISCELLANEOUS				
REVENUES	-38,531	-38,531	-30,124	-30,124
CHANGES IN INVENTORIES,				
WORKING CAPITAL	5,061	6,794	5,496	5,496
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	16,175	16,752	30,132	30,455
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
POLICY & MANAGEMENT				

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF TENNESSEE
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU *
MANAGEMENT AND SUPPORT	123	123	123	123
INTERGOVERNMENTAL AND				
INSTITUTIONAL RELATIONS	725	715	480	480
TOTAL CAPITAL EQUIPMENT	848	838	603	603
CONSTRUCTION				
POLICY & MANAGEMENT				
IN-HOUSE ENERGY				
MANAGEMENT	507	161	657	696
PLANT ENGINEERING				
AND DESIGN	2,621	1,390	0	0
TOTAL CONSTRUCTION	3,128	1,551	657	696
TOTAL DEPARTMENTAL ADMINISTRATION	20,151	19,141	31,392	31,754
TOTAL TENNESSEE	\$ -273,449	\$ -265,364	\$ -421,759	\$ -415,847

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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF TEXAS
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BD	BA	BD
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES	54,897	52,062	59,575	58,335
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	54,897	52,062	59,575	58,335
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES	1,325	1,100	1,300	1,300
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	1,325	1,100	1,300	1,300
	-----	-----	-----	-----
CONSTRUCTION				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES	23,130	10,905	16,010	26,328
	-----	-----	-----	-----
TOTAL CONSTRUCTION	23,130	10,905	16,010	26,328
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY				
DEFENSE ACTIVITIES	79,352	64,067	76,885	85,963
	-----	-----	-----	-----
GENERAL SCIENCE				
AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH				
AND BIOMEDICAL APPLICATION	0	0	209	200

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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF TEXAS
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS,	BO	BA	BO
HIGH ENERGY PHYSICS	300	300	330	330
NUCLEAR PHYSICS	1,109	1,103	1,170	1,170
TOTAL OPERATING EXPENSES	1,409	1,403	1,709	1,700
CAPITAL EQUIPMENT				
BASIC SCIENCES				
HIGH ENERGY PHYSICS	25	25	0	0
TOTAL CAPITAL EQUIPMENT	25	25	0	0
TOTAL GENERAL SCIENCE AND RESEARCH	1,434	1,428	1,709	1,700
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	3,193	3,835	5,200	5,200
GEO THERMAL				
GEO THERMAL	18,579	17,549	22,320	22,395
BIOMASS				
BIOMASS	700	300	300	600
NUCLEAR				
BREEDER	900	900	14,300	14,600
MAGNETIC FUSION				
MAGNETIC FUSION	3,372	3,372	3,800	3,800
ELECTRIC ENERGY SYSTEMS AND STORAGE				
ELECTRIC ENERGY	153	309	575	500

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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF TEXAS
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
	-----	-----	-----	-----
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	617	605	760	736
BASIC RESEARCH				
BASIC ENERGY SCIENCES	1,448	1,424	1,586	1,456
TECHNICAL ASSESSMENTS PROJECTS	650	500	0	0
UNIVERSITY RESEARCH SUPPORT	0	0	65	65
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	29,612	28,794	48,906	49,352
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	0	54	0	0
GEOTHERMAL				
GEOTHERMAL	27	27	0	0
MAGNETIC FUSION				
MAGNETIC FUSION	1,400	1,033	400	400
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	1,427	1,114	400	400
	-----	-----	-----	-----
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	31,039	29,908	49,306	49,752
	-----	-----	-----	-----
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	41,679	39,575	37,800	21,726
PETROLEUM				
PETROLEUM	845	1,328	0	500

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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF TEXAS
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	089,	80	8A	80
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	42,524	40,903	37,800	22,226
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	42,524	40,903	37,800	22,226
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	2,247	2,247	0	562
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	949	883	0	360
HOSPITAL AND SCHOOL				
GRANT PROGRAM	4,249	2,702	0	5,592
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	2,451	808	0	699
WEATHERIZATION ASSISTANCE				
PROGRAM	2,432	1,581	2,432	2,128
CONSERVATION MULTI-SECTOR				
APPROPRIATE TECHNOLOGY	1,020	1,020	779	779
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	235	215	250	180
INDUSTRIAL	116	116	123	123
TRANSPORTATION	929	810	376	419
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	4,768	3,140
TOTAL OPERATING EXPENSES	14,628	10,382	8,728	13,982
TOTAL ENERGY CONSERVATION	14,628	10,382	8,728	13,982
ECONOMIC REGULATORY				
ADMINISTRATION				

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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF TEXAS
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	088.	80	8A	80
	-----	-----	-----	-----
OPERATING EXPENSES				
REGULATION				
COAL UTILIZATION	52	52	64	64
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	374	221	373	373
COMPLIANCE	16,710	18,717	20,172	19,290
FUELS REGULATION	68	68	48	48
EMERGENCY PREPAREDNESS	0	53	0	0
OFFICE OF HEARINGS				
AND APPEALS	29	29	27	27
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	17,233	19,140	20,684	19,802
	-----	-----	-----	-----
TOTAL ECONOMIC REGULATORY				
ADMINISTRATION	17,233	19,140	20,684	19,802
	-----	-----	-----	-----
FEDERAL ENERGY REGULATORY COMMISSION				
OPERATING EXPENSES				
REGULATION				
HYDRO REGULATION	300	281	300	282
MULTI-RESOURCE REGULATION	240	225	240	228
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	540	506	540	510
	-----	-----	-----	-----
TOTAL FEDERAL ENERGY REGULATORY				
COMMISSION	540	506	540	510
	-----	-----	-----	-----
POWER MARKETING FUND - WESTERN AREA POWER ADMIN.				
OPERATING EXPENSES				
POWER MARKETING				
POWER MARKETING	22	22	22	22

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF TEXAS
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	HU	BA	BU
TOTAL OPERATING EXPENSES	22	22	22	22
TOTAL POWER MARKETING FUND - WESTERN AREA POWER ADMIN.	22	22	22	22
DEPARTMENTAL ADMINISTRATION				
OPERATING EXPENSES				
POLICY & MANAGEMENT				
POLICY ANALYSIS				
AND SYSTEMS STUDIES	253	253	20	20
MANAGEMENT AND SUPPORT	3,054	3,054	3,289	3,289
IN-HOUSE ENERGY				
MANAGEMENT	150	90	90	150
TOTAL OPERATING EXPENSES	3,457	3,397	3,399	3,459
CONSTRUCTION				
POLICY & MANAGEMENT				
IN-HOUSE ENERGY				
MANAGEMENT	55	17	4,653	930
TOTAL CONSTRUCTION	55	17	4,653	930
TOTAL DEPARTMENTAL ADMINISTRATION	3,512	3,414	8,052	4,389
TOTAL TEXAS	\$ 190,284	\$ 169,770	\$ 203,726	\$ 198,346

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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS THAT ARE UNDESIGNATED
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	RO	RA	RO
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	6,691	4,536	11,600	14,600
MATERIALS PRODUCTION	958	958	948	948
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	7,649	5,494	12,548	15,548
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	420	458	500	400
MATERIALS PRODUCTION	10	10	0	0
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	430	468	500	400
	-----	-----	-----	-----
CONSTRUCTION				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES	0	32	2,570	895
	-----	-----	-----	-----
TOTAL CONSTRUCTION	0	32	2,570	895
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY				
DEFENSE ACTIVITIES	8,079	5,994	15,618	16,843
	-----	-----	-----	-----
GENERAL SCIENCE				
AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				

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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS THAT ARE UNDESIGNATED
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	US\$.	RU	BA	RU
HIGH ENERGY PHYSICS	550	550	500	500
NUCLEAR PHYSICS	720	630	640	625
TOTAL OPERATING EXPENSES	1,270	1,180	1,140	1,125
TOTAL GENERAL SCIENCE AND RESEARCH	1,270	1,180	1,140	1,125
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR APPLICATIONS	31,871	947	12,140	17,400
SOLAR TECHNOLOGY	24,505	0	49,975	47,807
GEOTHERMAL	20,536	7,363	9,651	2,135
BIOMASS	10,493	3,605	30,000	21,240
HYDROPOWER	18,050	14,365	12,275	11,375
NUCLEAR	15,463	8,037	26,570	37,000
CONVERTER	4,416	3,775	600	1,100
ADVANCED NUCLEAR SYSTEMS	14,978	13,134	60,344	59,890
BREEDER				
ELECTRIC ENERGY SYSTEMS AND STORAGE	8,804	4,438	8,611	2,296
ELECTRIC ENERGY SYSTEMS	7,169	2,793	11,250	7,070

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS THAT ARE UNDESIGNATED
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	US\$,	BU	BA	BU
	-----	-----	-----	-----
BASIC RESEARCH				
TECHNICAL ASSESSMENTS				
PROJECTS	7	0	0	0
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	156,292	58,457	221,416	207,313
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
SOLAR APPLICATIONS				
SOLAR APPLICATIONS	0	0	3,000	2,400
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	760	0	3,200	6
GEO THERMAL				
GEO THERMAL	285	12	1,460	93
BIOMASS				
BIOMASS	3,020	0	250	120
NUCLEAR				
CONVERTER	0	0	0	300
ADVANCED NUCLEAR				
SYSTEMS	850	0	600	550
ELECTRIC ENERGY				
SYSTEMS AND STORAGE				
ELECTRIC ENERGY	1,182	15	250	0
ENERGY STORAGE				
SYSTEMS	1,671	8	100	50
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	7,768	35	9,060	3,519
	-----	-----	-----	-----
CONSTRUCTION				
BIOMASS				
BIOMASS	0	3,000	0	0
ENVIRONMENT				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS THAT ARE UNDESIGNATED
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	DBS.	HU	BA	BU
	-----	-----	-----	-----
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	983	130	200	288
	-----	-----	-----	-----
TOTAL CONSTRUCTION	983	3,130	200	288
	-----	-----	-----	-----
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	165,043	61,622	230,676	211,120
	-----	-----	-----	-----
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	211,512	234,174	331,193	325,708
PETROLEUM				
PETROLEUM	35,549	23,809	22,786	26,273
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	247,061	257,983	353,979	351,981
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
COAL				
COAL	0	0	800	820
PETROLEUM				
PETROLEUM	0	0	400	259
GAS				
GAS	0	0	100	75
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	0	0	1,300	1,154
	-----	-----	-----	-----
CONSTRUCTION				
COAL				
COAL	100,351	86,894	77,050	72,910

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS THAT ARE UNDESIGNATED
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	RU	BA	BU
TOTAL CONSTRUCTION	100,351	86,894	77,050	72,910
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	347,412	344,877	432,329	426,045
ENERGY PRODUCTION, DEMONSTRATION AND DISTRIBUTION				
OPERATING EXPENSES				
COAL				
COAL	6,318	735	4,500	4,000
OIL				
OIL	1,416	788	5,930	5,430
SOLAR				
SOLAR	20,646	0	0	736
MULTI-RESOURCE				
MULTI-RESOURCES	13,000	8,950	2,000	1,600
TOTAL OPERATING EXPENSES	41,380	10,473	12,430	11,766
TOTAL ENERGY PRODUCTION, DEMONSTRATION AND DISTRIBUTION	41,380	10,473	12,430	11,766
ENERGY CONSERVATION				
OPERATING EXPENSES				
CONSERVATION MULTI-SECTOR				
APPROPRIATE TECHNOLOGY	425	425	600	300
ENERGY IMPACT				
ASSISTANCE	2,000	1,000	0	5,000
ENERGY EXTENSION				
SERVICE	15,000	12,222	0	7,500
INVENTORS PROGRAM	2,000	2,000	3,200	2,500

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS THAT ARE UNDESIGNATED
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	HC	BA	BI
	-----	-----	-----	-----
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	25,037	21,676	27,508	24,311
INDUSTRIAL	17,443	16,971	17,439	16,707
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	6,625	2,405
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	61,905	54,294	55,372	58,723
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	598	229	395	250
INDUSTRIAL	362	110	360	360
TRANSPORTATION	0	0	100	100
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	960	339	855	710
	-----	-----	-----	-----
TOTAL ENERGY CONSERVATION	62,865	54,633	56,227	59,433
	-----	-----	-----	-----
STRATEGIC PETROLEUM RESERVE				
OPERATING EXPENSES				
EMERGENCY PREPAREDNESS				
PETROLEUM-STRATEGIC				
PETROLEUM RESERVE	1,473,916	2,367,810	8,391	1,960,700
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	1,473,916	2,367,810	8,391	1,960,700
	-----	-----	-----	-----
TOTAL STRATEGIC PETROLEUM RESERVE	1,473,916	2,367,810	8,391	1,960,700
	-----	-----	-----	-----
ENERGY INFORMATION				
ADMINISTRATION				
OPERATING EXPENSES				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS THAT ARE UNDESIGNATED
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
	-----	-----	-----	-----
ENERGY INFORMATION				
ENERGY APPLIED				
ANALYSIS	3,744	3,344	2,244	3,044
COLLECTION, PRODUCTION,				
AND DISSEMINATION	21,514	18,864	17,465	18,265
DATA VALIDATION	3,850	2,950	7,839	6,869
DATA INFORMATION				
SERVICES	4,722	4,722	4,722	4,722
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	33,830	29,880	32,270	32,900
	-----	-----	-----	-----
TOTAL ENERGY INFORMATION				
ADMINISTRATION	33,830	29,880	32,270	32,900
	-----	-----	-----	-----
ECONOMIC REGULATORY				
ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
COAL UTILIZATION	6,069	5,898	9,054	4,163
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	6,309	7,625	17,425	14,985
COMPLIANCE	2,710	0	2,500	217
REGULATION DEVELOPMENT	604	0	3,000	2,287
FUELS REGULATION	650	0	1,200	1,787
EMERGENCY PREPAREDNESS	29,430	6,376	31,000	36,600
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	45,772	19,899	64,179	60,039
	-----	-----	-----	-----
TOTAL ECONOMIC REGULATORY				
ADMINISTRATION	45,772	19,899	64,179	60,039
	-----	-----	-----	-----
SPECIAL FOREIGN CURRENCY				
OPERATING EXPENSES				
SPECIAL FOREIGN CURRENCY				

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS THAT ARE UNDESIGNATED
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	USG.	BU	HA	BU
INTERNATIONAL AFFAIRS	2,000	1,500	0	833
TOTAL OPERATING EXPENSES	2,000	1,500	0	833
TOTAL SPECIAL FOREIGN CURRENCY	2,000	1,500	0	833
 GEOTHERMAL RESOURCES DEVELOPMENT FUND				
OPERATING EXPENSES				
GEOTHERMAL RESOURCES DEVELOPMENT FUND				
GEOTHERMAL RESOURCES DEVELOPMENT FUND	42,994	5,050	5,300	300
TOTAL OPERATING EXPENSES	42,994	5,050	5,300	300
TOTAL GEOTHERMAL RESOURCES DEVELOPMENT FUND	42,994	5,050	5,300	300
 BONNEVILLE POWER ADMINISTRATION				
OPERATING EXPENSES				
POWER MARKETING POWER MARKETING	0	73,500	0	-88,600
TOTAL OPERATING EXPENSES	0	73,500	0	-88,600
TOTAL BONNEVILLE POWER ADMINISTRATION	0	73,500	0	-88,600
 POWER MARKETING FUND - WESTERN AREA POWER ADMIN.				
OPERATING EXPENSES				
POWER MARKETING				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS THAT ARE UNDESIGNATED
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	0BS.	80	BA	80
POWER MARKETING	1,248	1,648	1,374	1,374
TOTAL OPERATING EXPENSES	1,248	1,648	1,374	1,374
TOTAL POWER MARKETING FUND - WESTERN AREA POWER ADMIN.	1,248	1,648	1,374	1,374
DEPARTMENTAL ADMINISTRATION				
OPERATING EXPENSES				
POLICY & MANAGEMENT				
INTERNATIONAL AFFAIRS	400	395	800	800
IN-HOUSE ENERGY				
MANAGEMENT	384	105	341	620
TOTAL OPERATING EXPENSES	784	500	1,141	1,420
CONSTRUCTION				
POLICY & MANAGEMENT				
PLANT ENGINEERING				
AND DESIGN	3,978	1,160	9,000	8,000
TOTAL CONSTRUCTION	3,978	1,160	9,000	8,000
TOTAL DEPARTMENTAL ADMINISTRATION	4,762	1,660	10,141	9,420
TOTAL UNDESIGNATED	\$ 2,230,571	\$ 2,979,726	\$ 870,075	\$ 2,703,298

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JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF UTAH
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	DBS.	BU	BA	+ BU
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	99	99	0	0
GEO THERMAL				
GEO THERMAL	4,456	5,597	3,472	3,487
ELECTRIC ENERGY				
SYSTEMS AND STORAGE				
ENERGY STORAGE				
SYSTEMS	0	85	100	100
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	1,836	1,795	1,979	1,940
DECONTAMINATION AND				
DECOMMISSIONING	584	500	830	650
BASIC RESEARCH				
BASIC ENERGY SCIENCES	356	356	381	381
UNIVERSITY RESEARCH				
SUPPORT	200	200	0	0
TOTAL OPERATING EXPENSES	7,531	8,632	6,782	6,558
CAPITAL EQUIPMENT				
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	40	20	80	70
TOTAL CAPITAL EQUIPMENT	40	20	80	70
CONSTRUCTION				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF UTAH
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BU	HA	BU
	-----	-----	-----	-----
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	150	221	250	140
	-----	-----	-----	-----
TOTAL CONSTRUCTION	150	221	250	140
	-----	-----	-----	-----
TOTAL ENERGY SUPPLY RESEARCH				
AND DEVELOPMENT	7,721	8,873	7,092	6,768
	-----	-----	-----	-----
FOSSIL ENERGY RESEARCH				
AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	373	279	30	200
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	373	279	30	200
	-----	-----	-----	-----
TOTAL FOSSIL ENERGY RESEARCH				
AND DEVELOPMENT	373	279	30	200
	-----	-----	-----	-----
ENERGY PRODUCTION,				
DEMONSTRATION AND DISTRIBUTION				
OPERATING EXPENSES				
OIL				
OIL	34	34	37	37
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	34	34	37	37
	-----	-----	-----	-----
TOTAL ENERGY PRODUCTION,				
DEMONSTRATION AND DISTRIBUTION	34	34	37	37
	-----	-----	-----	-----
ENERGY CONSERVATION				
OPERATING EXPENSES				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FIRM FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF UTAH
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	BS.	BO	BA	BO
	-----	-----	-----	-----
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	409	409	0	102
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	174	162	0	66
HOSPITAL AND SCHOOL				
GRANT PROGRAM	943	594	0	1,189
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	543	180	0	149
WEATHERIZATION ASSISTANCE				
PROGRAM	1,562	1,016	1,562	1,367
CONSERVATION				
INDUSTRIAL	923	1,123	979	1,182
TRANSPORTATION	75	0	0	75
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	862	560
TOTAL OPERATING EXPENSES	4,629	3,484	3,403	4,690
TOTAL ENERGY CONSERVATION	4,629	3,484	3,403	4,690
ECONOMIC REGULATORY				
ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	39	192	192
TOTAL OPERATING EXPENSES	192	39	192	192
TOTAL ECONOMIC REGULATORY				
ADMINISTRATION	192	39	192	192
POWER MARKETING FUND -				
WESTERN AREA POWER ADMIN.				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF UTAH
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
	-----	-----	-----	-----
OPERATING EXPENSES				
POWER MARKETING				
POWER MARKETING	2,244	36	218	218
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	2,244	36	218	218
	-----	-----	-----	-----
TOTAL POWER MARKETING FUND -				
WESTERN AREA POWER ADMIN.	2,244	36	218	218
	-----	-----	-----	-----
TOTAL UTAH	\$ 15,193	\$ 12,745	\$ 10,972	\$ 12,105
	=====	=====	=====	=====

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF VERMONT
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BO	BA	BO
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	0	62	0	0
NUCLEAR				
ADVANCED NUCLEAR SYSTEMS	0	10	0	0
TOTAL OPERATING EXPENSES	0	72	0	0
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	0	72	0	0
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND CONSERVATION GRANT PROGRAM	287	287	0	72
ENERGY CONSERVATION AND PRODUCTION GRANT PROGRAM	122	113	0	36
HOSPITAL AND SCHOOL GRANT PROGRAM	762	485	0	788
LOCAL GOVERNMENT BUILDINGS GRANT PROGRAM	440	144	0	103
WEATHERIZATION ASSISTANCE PROGRAM	1,386	901	1,386	1,213
CONSERVATION				
STATE ENERGY MANAGEMENT AND PLANNING	0	0	603	345
TOTAL OPERATING EXPENSES	2,997	1,930	1,989	2,607
TOTAL ENERGY CONSERVATION	2,997	1,930	1,989	2,607

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY. 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF VERMONT
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BO	HA	BO
	-----	-----	-----	-----
	-----	-----	-----	-----
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
COAL UTILIZATION	0	797	0	0
UTILITY PROGRAM AND REGULATORY INTERVENTION	192	39	192	192
TOTAL OPERATING EXPENSES	192	836	192	192
TOTAL ECONOMIC REGULATORY ADMINISTRATION	192	836	192	192
TOTAL VERMONT	\$ 3,189	\$ 2,838	\$ 2,181	\$ 2,799
	=====	=====	=====	=====

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF VIRGINIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BO	BA	BO
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	358	358	0	0
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	358	358	0	0
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY				
DEFENSE ACTIVITIES	358	358	0	0
	-----	-----	-----	-----
GENERAL SCIENCE				
AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
NUCLEAR PHYSICS	375	375	415	415
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	375	375	415	415
	-----	-----	-----	-----
TOTAL GENERAL SCIENCE				
AND RESEARCH	375	375	415	415
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH				
AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	1,820	4,267	1,730	1,730
GEOTHERMAL				
GEOTHERMAL	1,188	1,439	850	850
BIOMASS				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF VIRGINIA
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OHS.	BU	BA	BU
	-----	-----	-----	-----
BIDMASS	1,000	500	0	600
NUCLEAR				
COMMERCIAL WASTE				
MANAGEMENT	1,412	1,412	0	0
SPENT FUEL				
DISPOSITION	421	421	0	0
ADVANCED NUCLEAR				
SYSTEMS	300	1,117	0	400
BREEDER	6,052	9,045	7,400	8,200
MAGNETIC FUSION				
MAGNETIC FUSION	140	140	200	200
ELECTRIC ENERGY				
SYSTEMS AND STORAGE				
ELECTRIC ENERGY	130	225	0	0
ENERGY STORAGE				
SYSTEMS	330	310	0	0
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	2,267	2,202	1,271	1,185
BASIC RESEARCH				
BASIC ENERGY SCIENCES	237	237	318	318
TOTAL OPERATING EXPENSES	15,297	21,315	11,769	13,483
CAPITAL EQUIPMENT				
MAGNETIC FUSION				
MAGNETIC FUSION	7	5	0	0
TOTAL CAPITAL EQUIPMENT	7	5	0	0
TOTAL ENERGY SUPPLY RESEARCH				
AND DEVELOPMENT	15,304	21,320	11,769	13,483

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF VIRGINIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BO	HA	BU
	-----	-----	-----	-----
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	5,497	2,526	1,428	2,046
PETROLEUM				
PETROLEUM	229	29	0	100
TOTAL OPERATING EXPENSES	5,726	2,555	1,428	2,146
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	5,726	2,555	1,428	2,146
URANIUM ENRICHMENT				
OPERATING EXPENSES				
URANIUM ENRICHMENT				
URANIUM ENRICHMENT ACTIVITIES	1,280	1,280	1,265	1,320
TOTAL OPERATING EXPENSES	1,280	1,280	1,265	1,320
CAPITAL EQUIPMENT				
URANIUM ENRICHMENT				
URANIUM ENRICHMENT ACTIVITIES	50	45	80	50
TOTAL CAPITAL EQUIPMENT	50	45	80	50
TOTAL URANIUM ENRICHMENT	1,330	1,325	1,345	1,370
ENERGY CONSERVATION				

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF VIRGINIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	HO	BA	HO
	-----	-----	-----	-----
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND				
CONSERVATION GRANT PROGRAM	1,027	1,027	0	257
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	436	405	0	166
HOSPITAL AND SCHOOL				
GRANT PROGRAM	2,010	1,278	0	2,854
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	1,159	382	0	352
WEATHERIZATION ASSISTANCE				
PROGRAM	2,830	1,840	2,830	2,476
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	200	175	200	200
INDUSTRIAL	494	444	524	474
TRANSPORTATION	947	945	900	950
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	2,175	1,200
TOTAL OPERATING EXPENSES	9,103	6,496	6,629	8,929
TOTAL ENERGY CONSERVATION	9,103	6,496	6,629	8,929
ENERGY INFORMATION				
ADMINISTRATION				
OPERATING EXPENSES				
ENERGY INFORMATION				
COLLECTION, PRODUCTION,				
AND DISSEMINATION				
DATA INFORMATION	323	223	323	423
SERVICES	1,358	1,358	1,358	1,358
TOTAL OPERATING EXPENSES	1,681	1,581	1,681	1,781
TOTAL ENERGY INFORMATION				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF VIRGINIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BO	HA	HO
ADMINISTRATION	1,681	1,581	1,681	1,781
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
COAL UTILIZATION	0	407	0	0
UTILITY PROGRAM AND REGULATORY INTERVENTION	192	152	192	192
COMPLIANCE	0	2,553	0	0
EMERGENCY PREPAREDNESS	0	513	0	0
TOTAL OPERATING EXPENSES	192	3,625	192	192
TOTAL ECONOMIC REGULATORY ADMINISTRATION	192	3,625	192	192
DEPARTMENTAL ADMINISTRATION				
OPERATING EXPENSES				
POLICY & MANAGEMENT				
POLICY ANALYSIS AND SYSTEMS STUDIES	362	520	0	0
INTERNATIONAL AFFAIRS	300	300	400	400
TOTAL OPERATING EXPENSES	662	820	400	400
TOTAL DEPARTMENTAL ADMINISTRATION	662	820	400	400
TOTAL VIRGINIA	\$ 34,731	\$ 38,455	\$ 23,859	\$ 28,716

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JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF WASHINGTON
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BO	BA	BO
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY DEFENSE ACTIVITIES	203,888	190,467	218,204	234,464
	-----	-----	-----	-----
GENERAL SCIENCE AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH AND BIOMEDICAL APPLICATION	323	321	332	321
HIGH ENERGY PHYSICS	305	300	340	335
NUCLEAR PHYSICS	815	800	880	850
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	1,443	1,421	1,552	1,506
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH AND BIOMEDICAL APPLICATION	0	7	0	0
NUCLEAR PHYSICS	110	100	0	10
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	110	107	0	10
	-----	-----	-----	-----
TOTAL GENERAL SCIENCE AND RESEARCH	1,553	1,528	1,552	1,516
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR APPLICATIONS				
SOLAR APPLICATIONS	295	295	310	310
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	5,133	4,988	4,350	4,100

JANUARY 31, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF WASHINGTON
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBS.	BO	HA	BO
	-----	-----	-----	-----
GEOTHERMAL				
GEOTHERMAL	2,299	2,312	1,200	1,200
BIOMASS				
BIOMASS	870	520	800	800
NUCLEAR				
CONVERTER	10	10	100	100
COMMERCIAL WASTE				
MANAGEMENT	65,173	61,137	70,234	67,603
SPENT FUEL				
DISPOSITION	405	405	0	0
ADVANCED NUCLEAR				
SYSTEMS	1,575	1,675	890	1,240
BREEDER	111,690	122,600	117,200	120,972
MAGNETIC FUSION				
MAGNETIC FUSION	10,065	9,465	9,170	9,170
ELECTRIC ENERGY				
SYSTEMS AND STORAGE				
ELECTRIC ENERGY	1,252	1,237	650	650
ENERGY STORAGE				
SYSTEMS	2,715	2,175	500	1,260
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	19,591	19,114	20,216	19,589
DECONTAMINATION AND				
DECOMMISSIONING	3,877	3,765	4,784	4,522
BASIC RESEARCH				
BASIC ENERGY SCIENCES	4,725	4,644	5,197	5,079
TOTAL OPERATING EXPENSES	-----	-----	-----	-----
	229,675	234,342	235,581	236,595
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
SOLAR APPLICATIONS				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF WASHINGTON
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	BU	BA	BU
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	755	755	100	100
VERIFICATION AND				
CONTROL TECHNOLOGY	550	550	700	670
MATERIALS PRODUCTION	88,385	86,300	88,380	83,560
DEFENSE WASTE				
MANAGEMENT	59,617	53,715	72,914	68,856
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	149,307	141,320	162,094	153,186
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	35	35	0	0
VERIFICATION AND				
CONTROL TECHNOLOGY	0	0	70	70
MATERIALS PRODUCTION	11,190	7,900	8,045	7,195
DEFENSE WASTE				
MANAGEMENT	2,830	1,366	7,535	6,975
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	14,055	9,301	15,650	14,240
	-----	-----	-----	-----
CONSTRUCTION				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
MATERIALS PRODUCTION	29,644	15,901	33,660	36,198
DEFENSE WASTE				
MANAGEMENT	10,882	23,945	6,800	30,840
	-----	-----	-----	-----
TOTAL CONSTRUCTION	40,526	39,846	40,460	67,038
	-----	-----	-----	-----

JANUARY 31, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF WASHINGTON
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OHS.	BU	HA	BU
	-----	-----	-----	-----
SOLAR APPLICATIONS	100	100	0	0
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	200	274	0	58
GEOTHERMAL				
GEOTHERMAL	190	175	50	70
NUCLEAR				
COMMERCIAL WASTE				
MANAGEMENT	4,480	2,957	5,563	5,228
BREEDER	11,058	6,301	8,643	10,091
MAGNETIC FUSION				
MAGNETIC FUSION	483	351	420	418
ELECTRIC ENERGY				
SYSTEMS AND STORAGE				
ENERGY STORAGE				
SYSTEMS	85	50	100	50
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	1,290	1,045	1,400	1,135
DECONTAMINATION AND				
DECOMMISSIONING	88	80	95	45
BASIC RESEARCH				
BASIC ENERGY SCIENCES	385	304	805	745
TOTAL CAPITAL EQUIPMENT	-----	-----	-----	-----
	18,359	11,637	17,076	17,840
	-----	-----	-----	-----
CONSTRUCTION				
NUCLEAR				
COMMERCIAL WASTE				
MANAGEMENT	2,000	1,925	5,300	2,300
BREEDER	47,074	48,150	64,100	68,533
MAGNETIC FUSION				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF WASHINGTON
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	RU	RA	BU
MAGNETIC FUSION	6,900	2,517	10,000	3,000
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	1,000	160	0	240
TOTAL CONSTRUCTION	56,974	52,752	79,400	74,073
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	305,008	298,731	332,057	328,508
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	17,804	32,004	10,000	6,858
TOTAL OPERATING EXPENSES	17,804	32,004	10,000	6,858
CAPITAL EQUIPMENT				
COAL				
COAL	1	6	0	0
TOTAL CAPITAL EQUIPMENT	1	6	0	0
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	17,805	32,010	10,000	6,858
URANIUM ENRICHMENT				
OPERATING EXPENSES				
URANIUM ENRICHMENT ACTIVITIES	3,167	3,217	1,837	1,948

JANUARY 31, 1979

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF WASHINGTON
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OMB.	BO	BA	BO
TOTAL OPERATING EXPENSES	3,167	3,217	1,837	1,948
TOTAL URANIUM ENRICHMENT	3,167	3,217	1,837	1,948
ENERGY PRODUCTION, DEMONSTRATION AND DISTRIBUTION				
OPERATING EXPENSES				
SOLAR				
SOLAR	340	340	340	340
TOTAL OPERATING EXPENSES	340	340	340	340
TOTAL ENERGY PRODUCTION, DEMONSTRATION AND DISTRIBUTION	340	340	340	340
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND CONSERVATION GRANT PROGRAM	794	794	0	199
ENERGY CONSERVATION AND PRODUCTION GRANT PROGRAM	338	314	0	128
HOSPITAL AND SCHOOL GRANT PROGRAM	1,600	1,018	0	2,305
LOCAL GOVERNMENT BUILDINGS GRANT PROGRAM	924	303	0	284
WEATHERIZATION ASSISTANCE PROGRAM	3,936	2,558	3,936	3,444
CONSERVATION MULTI-SECTOR APPROPRIATE TECHNOLOGY	179	179	338	338
CONSERVATION BUILDINGS AND				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF WASHINGTON
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UHS.	HO	BA	HI)
COMMUNITY SYSTEMS	450	387	419	364
INDUSTRIAL	595	595	631	631
TRANSPORTATION	35	35	10	10
STATE ENERGY MANAGEMENT AND PLANNING	0	0	1,680	1,100
TOTAL OPERATING EXPENSES	8,851	6,183	7,014	8,803
TOTAL ENERGY CONSERVATION	8,851	6,183	7,014	8,803
ECONOMIC REGULATORY ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
COAL UTILIZATION	116	116	145	145
UTILITY PROGRAM AND REGULATORY INTERVENTION	192	406	192	192
COMPLIANCE	221	155	0	66
FUELS REGULATION	152	152	107	107
EMERGENCY PREPAREDNESS	0	418	0	0
TOTAL OPERATING EXPENSES	681	1,247	444	510
TOTAL ECONOMIC REGULATORY ADMINISTRATION	681	1,247	444	510
POWER MARKETING FUND - WESTERN AREA POWER ADMIN.				
OPERATING EXPENSES				
POWER MARKETING				
POWER MARKETING	29,653	49,749	48,444	48,444
TOTAL OPERATING EXPENSES	29,653	49,749	48,444	48,444
TOTAL POWER MARKETING FUND				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF WASHINGTON
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OBG.	BU	BA	BU
	-----	-----	-----	-----
WESTERN AREA POWER ADMIN.	29,653	49,749	48,444	48,444
	-----	-----	-----	-----
DEPARTMENTAL ADMINISTRATION				
OPERATING EXPENSES				
POLICY & MANAGEMENT				
MANAGEMENT AND SUPPORT	11,320	11,320	12,386	12,386
INTERGOVERNMENTAL AND				
INSTITUTIONAL RELATIONS	387	387	357	357
IN-HOUSE ENERGY				
MANAGEMENT	200	80	0	120
COST OF WORK				
FOR OTHERS	140	140	380	380
MISCELLANEOUS				
REVENUES	-38,939	-38,939	-37,527	-37,527
CHANGES IN INVENTORIES,				
WORKING CAPITAL	1,141	2,463	1,130	1,130
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	-25,751	-24,549	-23,274	-23,154
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
POLICY & MANAGEMENT				
MANAGEMENT AND SUPPORT	60	60	60	60
INTERGOVERNMENTAL AND				
INSTITUTIONAL RELATIONS	0	0	5	5
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	60	60	65	65
	-----	-----	-----	-----
CONSTRUCTION				
POLICY & MANAGEMENT				
IN-HOUSE ENERGY				
MANAGEMENT	5,500	1,278	1,753	4,743
PLANT ENGINEERING				
AND DESIGN	190	90	0	0
	-----	-----	-----	-----

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF WASHINGTON
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UHS.	BU	BA	BU
TOTAL CONSTRUCTION	5,690	1,368	1,753	4,743
TOTAL DEPARTMENTAL ADMINISTRATION	-20,001	-23,121	-21,456	-18,346
TOTAL WASHINGTON	\$ 550,945	\$ 560,351	\$ 598,436	\$ 613,045

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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF WEST VIRGINIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OMB.	ROI	BA	ROI
	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	0	58	0	0
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	461	450	602	589
BASIC RESEARCH				
BASIC ENERGY SCIENCES	127	124	145	142
TOTAL OPERATING EXPENSES	588	632	747	731
CAPITAL EQUIPMENT				
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	50	40	0	10
BASIC RESEARCH				
BASIC ENERGY SCIENCES	15	14	10	10
TOTAL CAPITAL EQUIPMENT	65	54	10	20
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	653	686	757	751
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	36,078	29,802	31,060	31,720

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF WEST VIRGINIA
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	OPS.	BU	BA	BU
	-----	-----	-----	-----
PETROLEUM				
PETROLEUM	5,757	6,052	3,000	3,291
GAS				
GAS	16,379	23,732	9,800	11,578
TOTAL OPERATING EXPENSES	58,214	59,586	43,860	46,589
CAPITAL EQUIPMENT				
COAL				
COAL	956	453	650	630
PETROLEUM				
PETROLEUM	100	50	300	250
GAS				
GAS	98	68	200	100
TOTAL CAPITAL EQUIPMENT	1,154	571	1,150	980
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	59,368	60,157	45,010	47,569
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND CONSERVATION GRANT PROGRAM	506	506	0	127
ENERGY CONSERVATION AND PRODUCTION GRANT PROGRAM	215	200	0	82
HOSPITAL AND SCHOOL GRANT PROGRAM	1,057	673	0	1,400
LOCAL GOVERNMENT BUILDINGS GRANT PROGRAM	609	202	0	175
WEATHERIZATION ASSISTANCE PROGRAM	2,300	1,495	2,300	2,013

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF WEST VIRGINIA
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	RD	BA	BIT
	-----	-----	-----	-----
CONSERVATION				
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	1,068	704
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	4,687	3,076	3,368	4,501
	-----	-----	-----	-----
TOTAL ENERGY CONSERVATION	4,687	3,076	3,368	4,501
	-----	-----	-----	-----
ECONOMIC REGULATORY				
ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	39	192	192
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	192	39	192	192
	-----	-----	-----	-----
TOTAL ECONOMIC REGULATORY	192	39	192	192
ADMINISTRATION	-----	-----	-----	-----
DEPARTMENTAL ADMINISTRATION				
CONSTRUCTION				
POLICY & MANAGEMENT				
IN-HOUSE ENERGY				
MANAGEMENT	0	0	104	64
	-----	-----	-----	-----
TOTAL CONSTRUCTION	0	0	104	64
	-----	-----	-----	-----
TOTAL DEPARTMENTAL ADMINISTRATION	0	0	104	64
	-----	-----	-----	-----
TOTAL WEST VIRGINIA	\$ 64,900	\$ 63,958	\$ 49,431	\$ 53,077
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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF WISCONSIN
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
	-----	-----	-----	-----
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
OPERATING EXPENSES				
ATOMIC ENERGY				
DEFENSE ACTIVITIES				
INERTIAL CONFINEMENT FUSION	70	70	0	0
	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	70	70	0	0
	-----	-----	-----	-----
TOTAL ATOMIC ENERGY	70	70	0	0
DEFENSE ACTIVITIES	-----	-----	-----	-----
GENERAL SCIENCE				
AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
LIFE SCIENCES RESEARCH	161	161	164	158
AND BIOMEDICAL APPLICATION	1,860	1,840	2,000	1,975
HIGH ENERGY PHYSICS	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	2,021	2,001	2,164	2,133
	-----	-----	-----	-----
CAPITAL EQUIPMENT				
BASIC SCIENCES				
HIGH ENERGY PHYSICS	0	33	0	0
	-----	-----	-----	-----
TOTAL CAPITAL EQUIPMENT	0	33	0	0
	-----	-----	-----	-----
TOTAL GENERAL SCIENCE	2,021	2,034	2,164	2,133
AND RESEARCH	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH				
AND DEVELOPMENT				

DEPARTMENT OF ENERGY
 PRESIDENT'S BUDGET FOR FY 1980
 ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF WISCONSIN
 (IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	BU	BA	BU
	-----	-----	-----	-----
OPERATING EXPENSES				
SOLAR TECHNOLOGY				
SOLAR TECHNOLOGY	0	134	0	0
MAGNETIC FUSION				
MAGNETIC FUSION	2,025	2,025	2,260	2,260
ELECTRIC ENERGY				
SYSTEMS AND STORAGE				
ENERGY STORAGE				
SYSTEMS	400	440	50	50
ENVIRONMENT				
ENVIRONMENTAL RESEARCH				
AND DEVELOPMENT	134	131	137	135
BASIC RESEARCH				
BASIC ENERGY SCIENCES	998	998	917	917
TOTAL OPERATING EXPENSES	3,557	3,728	3,364	3,362
CAPITAL EQUIPMENT				
MAGNETIC FUSION				
MAGNETIC FUSION	120	104	145	154
TOTAL CAPITAL EQUIPMENT	120	104	145	154
TOTAL ENERGY SUPPLY RESEARCH				
AND DEVELOPMENT	3,677	3,832	3,509	3,516
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL				
ENERGY POLICY AND				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF WISCONSIN
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	URS.	BU	HA	BU
	-----	-----	-----	-----
CONSERVATION GRANT PROGRAM	955	955	0	239
ENERGY CONSERVATION AND				
PRODUCTION GRANT PROGRAM	407	379	0	155
HOSPITAL AND SCHOOL				
GRANT PROGRAM	2,029	1,292	0	3,713
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	1,174	386	0	444
WEATHERIZATION ASSISTANCE				
PROGRAM	6,908	4,490	6,908	6,045
CONSERVATION				
BUILDINGS AND				
COMMUNITY SYSTEMS	275	236	100	85
INDUSTRIAL	100	100	106	106
TRANSPORTATION	121	95	154	104
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	2,023	1,300
TOTAL OPERATING EXPENSES	11,969	7,933	9,291	12,191
TOTAL ENERGY CONSERVATION	11,969	7,933	9,291	12,191
ECONOMIC REGULATORY				
ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	368	192	192
COMPLIANCE	0	0	429	300
TOTAL OPERATING EXPENSES	192	368	621	492
TOTAL ECONOMIC REGULATORY				
ADMINISTRATION	192	368	621	492
TOTAL WISCONSIN	\$ 17,929	\$ 14,237	\$ 15,585	\$ 18,352

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DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF WYOMING
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS,	BO	BA	BO
	-----	-----	-----	-----
GENERAL SCIENCE AND RESEARCH				
OPERATING EXPENSES				
BASIC SCIENCES				
NUCLEAR PHYSICS	135	135	145	145
-----	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	135	135	145	145
-----	-----	-----	-----	-----
TOTAL GENERAL SCIENCE AND RESEARCH	135	135	145	145
-----	-----	-----	-----	-----
ENERGY SUPPLY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
GEOTHERMAL				
GEOTHERMAL	116	116	150	150
ENVIRONMENT				
ENVIRONMENTAL RESEARCH AND DEVELOPMENT	106	104	221	210
-----	-----	-----	-----	-----
TOTAL OPERATING EXPENSES	222	220	371	360
-----	-----	-----	-----	-----
TOTAL ENERGY SUPPLY RESEARCH AND DEVELOPMENT	222	220	371	360
-----	-----	-----	-----	-----
FOSSIL ENERGY RESEARCH AND DEVELOPMENT				
OPERATING EXPENSES				
COAL				
COAL	3,692	4,371	2,000	2,314
PETROLEUM				

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF WYOMING
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS.	BU	BA	BU
PETROLEUM	21,265	22,327	7,200	8,663
TOTAL OPERATING EXPENSES	24,957	26,698	9,200	10,977
CAPITAL EQUIPMENT				
COAL				
COAL	101	165	50	110
PETROLEUM				
PETROLEUM	675	371	600	550
TOTAL CAPITAL EQUIPMENT	776	536	650	660
TOTAL FOSSIL ENERGY RESEARCH AND DEVELOPMENT	25,733	27,234	9,850	11,637
ENERGY PRODUCTION, DEMONSTRATION AND DISTRIBUTION				
OPERATING EXPENSES				
OIL				
OIL	30,149	18,329	16,463	15,374
TOTAL OPERATING EXPENSES	30,149	18,329	16,463	15,374
TOTAL ENERGY PRODUCTION, DEMONSTRATION AND DISTRIBUTION	30,149	18,329	16,463	15,374
ENERGY CONSERVATION				
OPERATING EXPENSES				
STATE & LOCAL ENERGY POLICY AND CONSERVATION GRANT PROGRAM ENERGY CONSERVATION AND	273	273	0	68

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF WYOMING
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	DBS,	BU	BA	BU
	-----	-----	-----	-----
PRODUCTION GRANT PROGRAM	116	108	0	44
HOSPITAL AND SCHOOL				
GRANT PROGRAM	743	473	0	689
LOCAL GOVERNMENT BUILDINGS				
GRANT PROGRAM	433	144	0	92
WEATHERIZATION ASSISTANCE				
PROGRAM	785	510	785	612
CONSERVATION				
STATE ENERGY MANAGEMENT				
AND PLANNING	0	0	573	375
TOTAL OPERATING EXPENSES	2,350	1,508	1,358	1,880
TOTAL ENERGY CONSERVATION	2,350	1,508	1,358	1,880
ECONOMIC REGULATORY				
ADMINISTRATION				
OPERATING EXPENSES				
REGULATION				
COAL UTILIZATION	0	18	0	0
UTILITY PROGRAM AND				
REGULATORY INTERVENTION	192	39	192	192
TOTAL OPERATING EXPENSES	192	57	192	192
TOTAL ECONOMIC REGULATORY				
ADMINISTRATION	192	57	192	192
POWER MARKETING FUND -				
WESTERN AREA POWER ADMIN.				
OPERATING EXPENSES				
POWER MARKETING				
POWER MARKETING	2,628	2,242	4,757	4,757

JANUARY 31, 1979

DEPARTMENT OF ENERGY
PRESIDENT'S BUDGET FOR FY 1980
ESTIMATED OBLIGATIONS AND COSTS IN THE STATE OF WYOMING
(IN THOUSANDS)

	FY 1979 ESTIMATES		FY 1980 ESTIMATES	
	UBS,	HU	HA	BO
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TOTAL OPERATING EXPENSES	2,628	2,242	4,757	4,757
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TOTAL POWER MARKETING FUND - WESTERN AREA POWER ADMIN.	2,628	2,242	4,757	4,757
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TOTAL WYOMING	\$ 61,409	\$ 49,725	\$ 33,136	\$ 34,345
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