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BY THE COMPTROLLER GENERAL

Report To The Congress

OF THE UNITED STATES

Financial Status Of Major Federal Acquisitions September 30, 1979

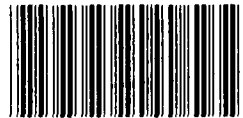
Federal departments' and agencies' major acquisitions are presently estimated to cost \$607 billion at completion; earlier estimates were \$346 billion.

Costs increased \$261 billion, or 75 percent, and are shown in this report for 940 civil and military acquisitions currently in development, test, production, or construction phases.

For 224 projects, costs increased by \$233 billion. Of this amount, \$92 billion, or 39 percent, is attributed to inflation. Other increases are attributed to changes in

- quantities ordered,
- system characteristics (engineering),
- delivery dates (schedules),
- inadequate original cost estimates, and
- support needs and spare parts.

The Congress may want to review the progress of a number of projects that have been in process many years.



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FEBRUARY 12, 1980





COMPTROLLER GENERAL OF THE UNITED STATES

WASHINGTON, D.C. 20548

B-197358

To the President of the Senate and the
Speaker of the House of Representatives


This report concerns the financial status of major acquisitions of the U.S. Government, including acquisitions financed solely with Federal funds and those financed jointly with Federal, State, and other funds.

Departments and agencies responsible for major acquisitions gave us financial data on their projects and systems. The National Aeronautics and Space Administration (NASA) would not provide current information on its Space Transportation System and Galileo projects, explaining that they are currently under review. The Urban Mass Transportation Administration stated that it needed more time to gather current information on 26 of its 60 projects, although other agencies responded in the time we requested. The accuracy and completeness of the data in this report has not been verified.

Because of the numerous projects involved, we obtained explanations for cost growth only for those weapon systems included on selected acquisition reports of the Department of Defense and for other projects having cost increases of 100 percent or more. Inflation, engineering, and quantity changes were identified as the major causes of cost growth.

Sixty-four projects, estimated to cost \$16.5 billion, have been in process more than 20 years. Seven are more than 50 years old. The Congress may want to review these older projects to see if they are progressing satisfactorily.

We are also sending copies of this report to the Director, Office of Management and Budget; the Secretaries of the various departments; and the heads of independent agencies involved.


Comptroller General
of the United States



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ABBREVIATIONS

DDT&E	design, development, test, and evaluation
GAO	General Accounting Office
NASA	National Aeronautics and Space Administration
RDT&E	research, development, test, and evaluation



FINANCIAL STATUS OF MAJOR FEDERAL ACQUISITIONS

SEPTEMBER 30, 1979

Major acquisitions are estimated to cost \$606.8 billion at completion--an increase of \$260.5 billion, or 75 percent, over initial estimates or over baseline estimates when initial estimates were not available, outdated, or superseded by later congressional authorization. Totals for each agency are shown in appendix I.

The estimated costs of major acquisitions have increased each year since June 30, 1975, when we issued our first combined military and civil major acquisitions status report on 585 projects estimated to cost \$404 billion at completion. Since then, the number of agencies and projects included in the report has increased. The estimated costs of 940 major acquisitions listed in this report have increased \$75.6 billion over the past year to \$606.8 billion.

This report does not compare cost increases of the Department of Defense agencies with those of civil agencies because overall comparisons could be misleading for many reasons, including different complexities of projects, varying periods involved, different methods of handling inflation, and a variety of means of establishing baselines. The report fulfills our primary objective of disclosing the financial status of major federal acquisitions.

Estimated costs for Defense projects increased \$45.2 billion. The largest cost increases are attributable to Navy projects which experienced an increase of \$28.3 billion, followed by the Air Force with an increase of \$10.7 billion and the Army with an increase of \$6.2 billion. Some of the more significant items contributing to the cost increase were the Navy's F-18 aircraft at \$9.8 billion and the Joint Tactical Information Distribution System, including the Air Force's \$2 billion share, at \$4.3 billion; the Air Force's \$5.5 billion share of the NAVSTAR Global Positioning System; and the Army's Infantry Fighting Vehicle at \$6.3 billion and the Pershing II Missile System at \$1.6 billion. However, these increases were offset by reductions of \$1 billion to the Navy's Tomahawk Sea Launched Cruise Missile program and \$1.5 billion in the Army's General Support Rocket System.

Total net increases in civil agencies' cost estimates were \$30.4 billion. However, this does not include data for two National Aeronautics and Space Administration (NASA)

projects--the Space Shuttle and the Galileo--estimated in fiscal year 1978 to cost \$7.3 billion and \$0.3 billion, respectively. NASA declined to supply revised cost estimates as of September 30, 1979, for these projects. NASA officials explained that the projects were under review, and information on them would be in the President's budget submission. NASA officials expect significant cost increases for these projects. Also, the Urban Mass Transportation Administration had not supplied data for 26 of its 60 projects, explaining that it needed more time to comply to our requests, although other agencies responded in the time we requested. Fiscal year 1978 project data was carried forward on these programs in the absence of more current information.

Significant increases in cost estimates occurred in such other civil agencies as

- the Federal Highway Administration's Interstate Highway System at \$13.2 billion,
- the Tennessee Valley Authority at \$6.1 billion,
- the Department of Energy at \$3.8 billion, and
- the Army Corps of Engineers at \$1.6 billion.

Acquisitions included in this report are past the planning stage and are in the development, test, production, or construction phases. Completed projects are not included. Cost estimates given are current as of September 30, 1979.

Defense defined major programs as those with an estimated research, development, test, and evaluation (RDT&E) cost exceeding \$75 million or an estimated production cost exceeding \$300 million. Defense weapon system acquisitions listed in this report conform to this definition.

Civil agencies are establishing criteria to define major acquisitions. The definitions vary in each agency. Since civil agencies' major systems usually cost considerably less than those of Defense, we used a uniform threshold of \$25 million to identify civil agencies' major acquisitions. The \$25 million threshold was also used for military construction projects and Defense computer acquisitions since they generally cost less than weapon systems.

For most Defense weapon systems and NASA projects, the baseline estimate is the development estimate while the original cost estimate is used for planning purposes. When the departments and agencies provided revised baseline

figures as a result of more realistic definitions of scope, the new baseline estimates were used for comparative purposes.

The cost change of each system is shown in appendix II. Unanticipated development difficulties, inflation, faulty planning, poor management, and poor estimating will increase the costs of major acquisitions. Cost growth cannot always be prevented or anticipated, particularly when a project is in development and production or construction over long periods.

Civil agencies and departments provided cost growth analyses for acquisitions having 100 percent or more increases. Defense provided cost growth breakdowns for only the weapon systems included in selected acquisition reports. The agencies attribute increases to:

- (1) Quantity--changes including scope.
- (2) Engineering--changes altering a system's established physical or functional characteristics.
- (3) Support--changes involving spare parts, ancillary equipment, warranty provisions, and Government-furnished property or equipment.
- (4) Schedule--changes in delivery schedule, completion date, or some intermediate milestone of development, production, or construction.
- (5) Economic--changes that are influenced by one or more factors in the economy, such as inflation.
- (6) Estimating--corrections or other changes occurring since the initial or other baseline estimates for program or project costs were made.
- (7) Sundry--changes other than the above categories, such as environmental costs and relocation assistance for water and highway projects.

An analysis of 165 civil acquisitions having a 100 percent or greater cost growth is shown in appendix III. Economic changes, primarily inflation, account for 50 percent

of the total cost growth on the civil acquisitions and are the principal causes of increased project costs. The following chart summarizes the analysis of civil acquisitions and includes the cost growth data for Defense systems on the September 30, 1979, selected acquisition reports.

	Type of change							No. of projects		
	Quan- tity	Engi- neer- ing	Sup- port	Sched- ule	Eco- nomic	Esti- mating	Sun- dry	Total	100% or more growth	Total
------(billions)-----										
<u>Civil agencies</u>										
Appalachian Regional Commission	\$ 1.6	\$ 1.9	\$ -	\$ -	\$ 3.6	\$ -	\$ -	\$ 7.1	1	1
Department of Energy	-	-	-	-	-	-	1.8	1.8	2	60
Army Corps of Engineers	1.8	2.7	-	-	9.2	0.6	0.2	14.5	105	165
Department of the Interior	0.6	0.3	-	-	4.7	1.1	0.2	6.9	27	92
Department of Transportation	10.9	28.6	0.1	-	44.6	1.6	4.9	90.7	4	84
Tennessee Valley Authority	0.6	0.9	-	1.4	4.5	1.2	0.1	8.7	9	13
Washington Metropolitan Area Transit Authority	1.1	0.4	-	1.2	0.8	0.7	0.1	4.3	1	2
Other	0.1	0.2	-	-	0.4	-	-	0.7	16	356
Total	\$16.7	\$35.0	\$0.1	\$2.6	\$67.8	\$5.2	\$7.3	\$134.7	165	773
<u>Department of Defense</u>										
Programs on selected acquisition reports:										
Air Force	\$ 5.0	\$1.4	\$1.8	\$ 4.6	\$ 6.5	\$ 0.3	\$0.8	\$20.4	14	32
Army	7.4	0.2	0.6	1.6	5.3	2.9	0.2	18.2	17	56
Navy	20.4	3.6	5.1	8.5	12.4	7.2	2.5	59.7	28	78
Other	-	-	-	-	-	-	-	-	-	1
Total	\$32.8	\$5.2	\$7.5	\$14.7	\$24.2	\$10.4	\$3.5	\$98.3	59	167

Cost data, extracted from Defense's selected acquisition reports on weapon systems, are shown in appendixes IV, V, and VI. These reports are provided quarterly to congressional committees and others to show current cost, schedule, and performance information. Appendix IV shows details on the annual cost changes. Appendix V shows the cost data on the September 30, 1979, selected acquisition reports, and is summarized in the preceding chart. Quantity changes account for 33 percent of the total cost growth followed by economic changes of 25 percent. Appendix VI shows program quantities and unit cost estimates at planning/development and as of September 30, 1979.

A summary of major acquisitions, aged in 10-year increments from their original date, is shown in appendix VII. The summary shows that 64 projects, estimated to cost \$16.5 billion at completion, have been in process more than 20 years. Seven of these projects are more than 50 years old. The Congress may want to review these older projects to see if they are progressing satisfactorily.

Appendix VIII lists many of our staff studies and reports pertinent to selected major acquisitions issued during fiscal years 1974-79. Since our Office for security purposes recently stopped public identification of classified reports, some of our reports on selected major acquisitions are not shown in the listing.

APPENDIX I

APPENDIX I

 FINANCIAL STATUS OF MAJOR FEDERAL ACQUISITIONS
 SUMMARY BY AGENCY
 AT SEPTEMBER 30, 1979
 (DOLLARS IN MILLIONS)

AGENCY	REFERENCE PAGE OF APP. II	NUMBER OF PROJECTS	ORIGINAL ESTIMATE	BASELINE ESTIMATE	CURRENT ESTIMATE	INCREASE OVER BASELINE ESTIMATE
APPALACHIAN REGIONAL COMMISSION	6	1	1,150.0	1,150.0	8,239.9	7,089.9
ARCHITECT OF THE CAPITOL	6	1	153.5	190.7	299.0	108.3
CORPORATION FOR PUBLIC BROADCASTING	6	1	57.7	57.7	57.7	
DEPARTMENT OF COMMERCE: MARITIME ADMINISTRATION	6	11	1,257.2	1,257.2	1,257.2	
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	7	4	305.1	306.7	401.8	95.1
DEPARTMENT OF DEFENSE: DEFENSE LOGISTICS AGENCY	9	1	69.9	69.9	69.9	
DEPARTMENT OF THE AIR FORCE	8	32	39,900.6	60,811.4	77,508.1	16,696.7
DEPARTMENT OF THE ARMY	10	56	26,008.3	39,652.8	59,266.4	19,613.6
DEPARTMENT OF THE NAVY	14	74	85,687.4	110,428.8	187,531.4	77,102.6
DEPARTMENT OF ENERGY	19	60	13,642.0	18,009.7	20,455.3	2,445.6
DEPARTMENT OF HEALTH AND HUMAN RE- SOURCE:						
NATIONAL INSTITUTES OF HEALTH	26	1	129.2	203.7	206.2	2.5
SOCIAL SECURITY ADMINISTRATION	26	1	34.3	34.3	34.3	
DEPARTMENT OF JUSTICE: FEDERAL BUREAU OF INVESTIGATION	26	1	55.4	55.4	55.4	
IMMIGRATION & NATURALIZATION SERVICE	26	1	13.0	66.7	66.7	
DEPARTMENT OF STATE	26	1	100.0	100.0	129.3	29.3
DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS	27	165	7,893.7	12,055.7	29,102.0	17,046.3
DEPARTMENT OF THE INTERIOR: BUREAU OF RECLAMATION	39	54	6,678.6	7,062.1	14,291.7	7,229.6
NATIONAL PARK SERVICE	43	38	1,869.0	2,192.2	2,772.6	580.4
DEPARTMENT OF THE TREASURY: INTERNAL REVENUE SERVICE	46	1	210.0	210.0	210.0	
DEPARTMENT OF TRANSPORTATION: FEDERAL AVIATION ADMINISTRATION	46	13	988.7	1,020.4	1,105.8	85.4
FEDERAL HIGHWAY ADMINISTRATION	47	2	37,720.0	37,720.0	127,533.0	89,813.0
FEDERAL RAILROAD ADMINISTRATION	47	1	1,900.0	1,900.0	1,900.0	
U.S. COAST GUARD	47	8	848.8	848.8	1,683.2	834.4
URBAN MASS TRANSPORTATION ADMINISTRATION	48	60	9,076.0	9,077.5	9,781.7	704.2
DISTRICT OF COLUMBIA GOVERNMENT	54	7	484.4	377.9	395.7	17.8
ENVIRONMENTAL PROTECTION AGENCY	55	267	19,465.4	10,782.4	22,307.8	2,525.4
GENERAL SERVICES ADMINISTRATION	72	10	519.5	584.8	578.0	6.8
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	73	15	7,987.5	7,988.4	10,259.1	2,270.7
NATIONAL RAILROAD PASSENGER CORPORATION	74	8	766.5	869.7	870.5	.8
NATIONAL SCIENCE FOUNDATION	75	1	76.0	76.0	78.6	2.6
PENNSYLVANIA AVENUE DEVELOPMENT CORPORATION	75	1	223.0	223.0	223.0	
TENNESSEE VALLEY AUTHORITY	75	13	7,586.5	8,472.5	19,704.9	11,232.4
VETERANS ADMINISTRATION	76	20	712.8	843.5	1,507.9	664.4
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY	77	2	2,559.6	2,559.6	6,903.6	4,344.0
TOTAL		940	276,229.6	366,259.5	606,785.7	280,526.2

ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1979
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT -----	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (+) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES -----
	DATE	AMOUNT	DATE	AMOUNT	NON- FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
APPALACHIAN REGIONAL COMMISSION:											
APPALACHIAN DEVELOPMENT HIGHWAY (APP. III, P. 80)	1965	1,150.0	1965	1,150.0	2,781.4	8,239.9	7,089.9	617	381.9	5	
ARCHITECT OF THE CAPITOL:											
HART SENATE OFFICE BUILDING	10/72	47.9	12/74	85.1		137.7	52.6	62	15.1	12	
LIBRARY OF CONGRESS, JAMES MADISON BUILDING	10/65	75.0	03/68	75.0		130.7	55.7	74			
MODIFICATIONS AND ENLARGEMENT, CAPITOL POWER PLANT	07/73	30.6	07/73	30.6		30.6					
AGENCY TOTAL		153.5		190.7		299.0	108.3		15.1		
CORPORATION FOR PUBLIC BROADCASTING:											
SATELLITE DISTRIBUTION SYSTEM FOR PRS & NPR	09/79	57.7	09/79	57.7	10.7	57.7					03
DEPARTMENT OF COMMERCE:											
MARITIME ADMINISTRATION:											
CONSTRUCTION DIFFERENTIAL SUBSIDY:											
AMERICAN ATLANTIC SHIPPING BREAKBULK VESSELS	05/77	28.7	05/77	28.7	14.7	28.7					
AMERICAN EXPORT LINES CONTAINER SHIPS	10/76	86.4	10/76	86.4	43.4	86.4					
AMERICAN PRESIDENT LINES CONTAINER VESSELS (MA/MSB-452)	03/79	273.0	03/79	273.0	136.7	273.0					01

FARRELL LINES CONTAINER SHIPS (MA/MSB-36A)	06/76	156.7	06/76	156.7	78.0	156.7				
LEVINGSTON FALCON SHIPPING CO DRY BULK CARRIERS (MA/MSB-427)	10/78	200.3	10/78	200.3	101.9	200.3				01
SUWANNEE RIVER INTEGRATED TUG/BARGE CHEMICAL/OIL VES-SFL (MA/MSB-433)	10/78	54.7	10/78	54.7	27.6	54.7				01
SUWANNEE RIVER INTEGRATED TUG/BARGE CHEMICAL/OIL VES-SFL (MA/MSB-430)	10/78	54.7	10/78	54.7	27.6	54.7				01
SUWANNEE RIVER INTEGRATED TUG/BARGE CHEMICAL/OIL VES-SFL (MA/MSB-436)	10/78	54.7	10/78	54.7	27.6	54.7				01
WATERMAN STEAMSHIP CORP RO/RO CONTAINER VESSEL (MA/MSB-446)	11/78	137.4	11/78	137.4	69.5	137.4				01
WATERMAN STEAMSHIP CORP RO/RO CONTAINER VESSEL (MA/MSB-455)	06/79	70.5	06/79	70.5	35.3	70.5				01
WATERMAN STEAMSHIP CORPORATION COMBINATION LASH/CONTAINER CARGO VESSELS (MA/MSB-409)	11/77	140.1	11/77	140.1	73.8	140.1				
SUR TOTAL		1,257.2		1,257.2	637.0	1,257.2				
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION:										
AUTOMATION OF FIELD OPERATIONS AND SERVICES	06/73	43.8	09/74	45.4		46.5	1.1	2	.8	2
GEOSTATIONARY OPERATIONAL ENVIRONMENTAL SATELLITE - D, F AND F	09/74	62.5	09/74	62.5		102.4	39.9	64	21.0	26
NOAA A THROUGH G (TIROS - N)	09/74	133.8	09/74	133.8		175.4	41.6	31	23.6	16
SAND POINT FACILITY	07/75	65.0	07/75	65.0		77.5	12.5	19	6.0	7-
SUR TOTAL		305.1		306.7		401.8	95.1		39.4	
AGENCY TOTAL		1,562.3		1,563.9	637.0	1,659.0	95.1		39.4	

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APPENDIX II

APPENDIX II

ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1979
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT -----	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES -----
	DATE	AMOUNT	DATE	AMOUNT	NON- FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
DEPARTMENT OF DEFENSE:											
DEFENSE LOGISTICS AGENCY:											
DATA PROCESSING AND TELECOMMUNICATIONS:											
ADPE REPLACEMENT	09/79	69.9	09/79	69.9		69.9					03
DEPARTMENT OF THE AIR FORCE:											
CONSTRUCTION:											
ARNOLD ENG DEV CENTER, TN, AERO PROPULSION SYSTEMS TEST FACILITY (ASTF)	01/76	437.0	09/76	437.0		437.0					
KFESLER AFB, MS, COMPOSITE MEDICAL FACILITY	10/74	43.1	10/75	43.1		45.3	2.2	5	2.2	5	
LACKLAND AFB, TX, COMPOSITE MEDICAL FACILITY	10/74	97.6	10/75	97.6		94.8	2.8-	3-	4.6	5	
SPACE TRANSPORTATION SYSTEM LAUNCH COMPLEX VANDENBERG AFB, CA	09/79	104.7	09/79	118.2		118.2					03
WRIGHT-PATTERSON AFB, OH, AIR POLLUTION ABATEMENT	09/75	32.8	09/76	32.8		33.8	1.0	3	3.1-	8-	
DATA PROCESSING AND TELECOMMUNICATIONS:											
BASE LEVEL DATA AUTOMATION	09/79	240.9	09/79	240.9		240.9					03
BMEWS	09/79	29.2	09/79	29.2		29.2					03
FAA/JSS	09/79	104.4	09/79	104.4		104.4					03
IDMS	09/79	66.7	09/79	66.7		66.7					03
SATELLITE CONTROL FACILITY	09/79	98.5	09/79	98.5		98.5					03

WHOLESALE LOGISTICS SYSTEM	09/79	41.9	09/79	41.9	41.9							
SYSTEMS:												
A-10 AIRCRAFT (APP. V. P. 97)	04/70	1,025.5	01/73	2,489.7	4,811.9	2,322.2	93	130.9	3			
ADVANCED AIRBORNE COMMAND POST (E-4) (APP. V. P. 97)	01/73	467.8	09/73	484.3	475.4	8.9-	2-	277.0-	37-			
ADVANCED TANKER/CARGO AIRCRAFT (KC-10A)	11/75	2,901.2	09/77	5,865.5	1,028.5	4,837.0-	82-	59.3	6			
AIRBORNE WARNING AND CONTROL SYSTEM (E-3A) (APP. V. P. 97)	11/68	2,656.7	06/71	2,661.6	4,147.2	1,485.6	56	8.8-				
ALCM MISSILE (APP. V. P. 97)	03/75	420.1	01/78	4,184.0	4,458.9	274.9	7	275.3	7			
B-1 AIRCRAFT	03/69	8,954.5	06/70	11,218.8	4,298.5	6,920.3-	62-	375.9-	8-			
DEF SATELLITE COMM SYS (DSCS III-SPACE SGMT) (APP. V. P. 97)	11/76	893.6	11/76	893.6	847.1	46.5-	5-	161.9	24			
EF-111A AIRCRAFT (APP. V. P. 97)	05/75	631.9	05/75	631.9	1,162.6	530.7	84	102.2	10			
F-15 AIRCRAFT (APP. V. P. 97)	03/69	6,039.1	01/70	7,355.2	13,703.0	5,947.8	81	122.2	1			
F-16 AIRCRAFT (APP. V. P. 97)	01/76	6,054.5	01/76	6,054.5	15,050.8	8,996.3	149	14.0				
GROUND LAUNCHED CRUISE MISSILE (GLCM) (APP. V. P. 97)	01/78	1,527.2	01/78	1,527.2	1,703.6	176.4	12	176.4	12			
HARM (AGM-88) (APP. V. P. 97)	07/78	1,052.0	07/78	1,052.0	1,270.0	218.0	21	222.2	21			06
IIR MAVERICK (AGM-65D) (APP. V. P. 97)	09/76	1,592.9	09/76	1,592.9	1,858.1	265.2	17	113.7	7			
JTIDS	09/77	225.8	04/78	476.3	2,461.0	1,984.7	417	1,984.7	417			06
LOW ALTITUDE AIRFIELD ATTACK SYSTEM	09/77	85.8	01/78	661.3	3,134.2	2,472.9	374	2,472.9	374			
MINUTEMAN III MISSILE	1966	2,695.5	03/68	4,673.8	8,152.0	3,478.2	74	473.3	6			

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ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1979
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT -----	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES -----
	DATE	AMOUNT	DATE	AMOUNT	NON- FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
DEPARTMENT OF DEFENSE: (CONT.)											
DEPARTMENT OF THE AIR FORCE: (CONT.)											
SYSTEMS: (CONT.)											
NAVSTAR GLOBAL POSITIONING SYSTEM	12/73	131.9	06/79	5,784.7		5,784.7			5,488.1	999	05.13
POSITIONING & LOCATING STRIKE SYSTEM (APP. V, P. 97)	06/75	550.9	09/77	954.5		268.4	686.1-	72-	691.4-	72-	11
SIDEWINDER AIM-9L MISSILE (APP. V, P. 97)	06/71	133.7	06/71	133.7		505.7	372.0	278	5.6	1	06.11
SPARROW AIM-7F MISSILE (APP. V, P. 97)	01/67	11.7	03/69	254.1		889.9	635.8	250	37.7-	4-	06.11
TR-1	09/77	551.5	09/77	551.5		583.9	32.4	6	32.4	6	
SUB TOTAL		39,900.6		60,811.6		77,506.1	16,694.7		10,468.0		
DEPARTMENT OF THE ARMY:											
CONSTRUCTIONS:											
FORT BENNING, GA, EM BARRACKS COMPLEX (PN268)	02/74	25.0	02/74	25.0		26.3	1.3	5			
FORT CAMPBELL, KY, EM BARRACKS COMPLEX (PN244)	12/72	31.5	12/72	31.5		34.8	3.3	10	.3-	1-	
FORT CAMPBELL, KY, HOSPITAL (PN236)	02/76	58.2	02/76	58.2		43.7	14.5-	25-	1.0	2	
FORT HOOD, TX, ADD'N, DAR- NALL ARMY HOSPITAL (PN 324)	02/78	47.7	02/78	47.7		47.4	.3-	1-	.3-	1-	

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FORT KNOX, KY, HOSPITAL ADDITION/ALTERATION (PN228)	10/74	42.3	10/74	47.3	35.4	6.9-	16-	.6	?	
FORT LEONARD WOOD, MO, EM BARRACKS COMPLEX (PN151)	11/72	32.2	02/75	41.3	45.4	4.1	10	.2		
FORT POLK, LA, EM HARRACKS COMPLEX (PN112)	02/76	33.8	02/76	33.8	29.8	4.0-	12-	.2	1	
FORT POLK, LA, EM BARRACKS COMPLEX (PN124)	07/74	38.1	07/74	38.1	30.7	7.4-	19-	.6-	2-	
FORT POLK, LA, HOSPITAL (PN 108)	02/77	44.3	02/77	44.3	45.0	.7	2	1.1	3	
FORT STEWART, GA, EM BARRACKS COMPLEX (PN98)	02/72	28.6	02/72	28.4	28.7	.3	1	.6	2	13
FORT STEWART, GA, EM BARRACKS COMPLEX (PN118)	10/74	34.6	11/75	33.3	25.6	7.7-	23-	.4	2	
FORT STEWART, GA, HOSPITAL (PN61)	02/78	39.3	02/78	39.3	43.8	4.5	11	4.5	11	
FORT STEWART/HUNTER AAF, GA, EM BARRACKS COMPLEX (PN128)	02/76	32.9	02/76	26.7	25.8	.9-	3-	.4-	3-	13
GERMANY, AMMO STORAGE (PN311)	02/77	75.8	02/77	75.8	101.8	26.0	34	26.0	34	
GERMANY, HOSP ADD'N/ALTER, LANDSTUHL (PN 188)	02/78	30.3	02/78	30.3	38.8	8.5	28	8.5	28	
GERMANY, IMPROVE AMMO STOR- AGE (PN317-100)	02/76	38.6	02/76	38.6	55.2	16.6	43	16.6	43	
GERMANY, MODIFICATION OF STORAGE SITES (PN186)	10/74	34.0	10/74	34.0	48.6	14.6	43	12.0	33	
GERMANY, POMCUS STORAGE & MAINT FAC (PN542)	02/78	56.9	02/78	56.9	72.9	16.0	28	16.0	28	
GERMANY, TOT FORCE, AMMO STORAGE (PN 310)	02/78	33.0	02/78	33.0	30.2	2.8-	8-	2.8-	8-	
HIGH ENERGY LASER SYSTEM TEST FACILITY, WHITE SANDS, NM (PN275)	02/77	33.4	02/77	33.4	43.8	10.4	31	.8	2	
HOLSTON AAP, TN, IND WASTE TRT, PH2-WPC (PN27)	02/78	29.0	02/78	29.0	28.6	.4-	1-	.4-	1-	

APPENDIX II

APPENDIX II

ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1979
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT -----	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES -----
	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
DEPARTMENT OF DEFENSE: (CONT.)											
DEPARTMENT OF THE ARMY: (CONT.)											
CONSTRUCTION: (CONT.)											
WALTER REED ARMY MEDICAL CENTER, DC HOSPITAL (PN87)	02/71	112.5	10/75	134.7		145.0	10.3	8			
DATA PROCESSING AND TELECOMMUNICATIONS:											
DARCOM 5-YR ADPE PROGRAM (RD3950)	09/79	61.5	09/79	61.5		61.5					03
IDMS (BD3900)	09/79	28.9	09/79	28.9		28.9					03
NON-TACTICAL MIS (BE4150)	09/79	26.5	09/79	26.5		26.5					03
TACTICAL MIS (B28400)	09/79	173.8	09/79	173.8		173.8					03
TRADOC AUTOMATION (B29200)	09/79	26.7	09/79	26.7		26.7					03
USARFUR TACTICAL AUTOMATION (R29300)	09/79	25.9	09/79	25.9		25.9					03
SYSTEMS:											
AAH-64 (AAH HELICOPTER) (APP. V, P. 9A)	05/73	1,800.2	12/76	3,758.1		4,966.9	1,186.8	32	805.6	19	
ADVANCED SCOUT HELICOPTER (RDT&E ONLY)	09/78	458.5	09/78	458.5		87.0	371.5-	81-	371.5-	81-	
AN/TPQ-37 ARTILLERY LOCATING RADAR SET	08/74	226.4	10/76	438.1		395.7	42.4-	10-			
AN/TTC-39 COMMUNICATIONS SWITCH (TRI-TAC) (APP. V, P. 9A)	07/74	801.1	07/74	801.1		966.5	165.4	21	128.0-	12-	11

CANNON LAUNCHED GUIDED PROJECTILE (COPPERHEAD) (APP. V. P. 98)	06/75	1,116.2	09/75	1,240.7	1,380.3	179.4	11	159.8	13	
CH-47 HELICOPTER MODERNIZATION (APP. V. P. 98)	12/75	1,344.2	01/77	1,562.8	1,862.3	299.5	19	95.8	5	
CHAPARRAL MISSILE	01/66	95.4	01/66	95.4	579.0	483.6	507	117.4-	17-	
DIVAD GUN (APP. V. P. 98)	09/77	179.5	11/77	3,185.8	3,329.3	143.5	5	45.4	1	
DRAGON MISSILE	10/65	382.2	02/66	404.2	517.1	112.9	28	8.3-	2-	
GENERAL SUPPORT ROCKET SYSTEM (APP. V. P. 98)	09/77	2,685.8	05/79	3,453.8	3,453.8			1,521.4-	31-	13
HELLFIRE MISSILE (APP. V. P. 98)	12/72	283.9	03/76	735.1	902.2	167.1	23	97.4	12	
IFV XM2 (MICV) (APP. V. P. 98)	07/71	786.5	04/72	726.4	6,491.4	5,765.0	794	6,310.5	999	13.18
IMPROVED HAWK MISSILE	10/64	335.5	09/68	588.2	1,182.4	594.2	101	3.8-		
LANCE MISSILE	08/63	586.7	06/67	652.9	1,080.4	427.5	65	18.9	2	
M-198 HOWITZER (APP. V. P. 98)	02/70	129.5	04/72	121.9	179.4	57.5	47	21.9-	11-	
NAVSTAR GLOBAL POSITIONING SYSTEM	12/73	17.1	08/76	673.0	705.8	367.2-	55-	425.5-	58-	05
PATRIOT MISSILE (SAM-D) (APP. V. P. 98)	08/65	4,916.8	03/72	5,240.5	5,631.9	391.4	7	602.1-	10-	11
PERSHING II MISSILE BATTERY (APP. V. P. 98)	01/74	628.5	12/78	1,571.0	1,571.0					01
REMOTELY PILOTED VEHICLE	11/77	266.9	09/78	563.2	263.4	299.8-	53-	299.8-	53-	11
ROLAND MISSILE (APP. V. P. 98)	05/75	1,119.5	05/75	1,119.5	2,393.2	1,273.7	114	265.7	12	
SINGLE CHANNEL GROUND/AIR RADIO	02/76	78.9	09/78	1,187.8	1,366.5	178.7	15	178.7	15	
STANDOFF TARGET ACQUISITION SYSTEM (SOTAS) (APP. V. P. 98)	09/77	128.4	07/78	1,282.8	1,299.7	16.9	1	16.9	1	
STINGER MISSILE (APP. V. P. 98)	07/72	473.8	07/72	473.8	1,243.8	770.0	163	75.5-	6-	

ESTIMATED COST DATA COMPARISON
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AGENCY AND PROJECT -----	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGF		NOTES -----
	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
DEPARTMENT OF DEFENSE: (CONT.)											
DEPARTMENT OF THE ARMY: (CONT.)											
SYSTEMS: (CONT.)											
TACTICAL FIRE DIRECTION SYSTEM (APP. V, P. 9A)	11/67	123.6	12/67	140.5		485.6	325.1	203	67.2	16	
TACTICAL OPERATIONS SYSTEM (RDT&E ONLY)	06/74	44.8	06/74	44.8		169.1	124.3	277	559.9-	77-	11
TOW MISSILE	01/66	410.4	09/66	727.3		1,225.2	497.9	68	55.7	5	
UH-60A (UTTAS HELICOPTER-BLACKHAWK) (APP. V, P. 9A)	06/71	2,307.3	06/71	2,307.3		3,663.3	1,356.0	59	44.6	1	
XM-1 TANK (APP. V, P. 9B)	12/72	3,005.4	11/76	4,779.4		10,925.6	6,146.2	129	539.5	5	
SUB TOTAL		26,008.3		39,652.8		59,266.4	19,613.6		4,653.7		
DEPARTMENT OF THE NAVY:											
CONSTRUCTION:											
EASTERN TEST RANGE, PATRICK AF BASE, FL. WHARF AND DREDGING	06/73	31.3	06/73	31.1		30.3	.8-	3-	.1		
NATIONAL NAVAL MEDICAL CENTER, BETHESDA, MD. MODERNIZATION	02/75	100.0	02/75	100.0		111.2	11.2	11	3.6	3	
NAVAL ACADEMY, ANNAPOLIS, MD. ENGINEERING STUDIES COMPLEX, PHASES 1-3	02/70	27.7	02/70	27.7		30.5	2.8	10			

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NAVY REGIONAL MEDICAL CENTER, CAMP LEJEUNE, NC. HOSPITAL	10/77	51.5	10/77	49.0	46.6	7.4-	5-	7.4-	5-
TRIDENT SUPPORT SITE, BANGOR, WA. DRYDOCK PHASE I & II	11/76	79.5	07/77	76.5	70.7	5.8-	8-	5.8	8
TRIDENT SUPPORT SITE, BANGOR, WA. TRAINING FACILITY, INCREMENTS 1 & 2	06/73	30.1	06/73	30.1	35.3	5.2	17	7.2	7
TRIDENT SUPPORT SITE, BANGOR, WA. UTILITIES & SITE IMPROVEMENTS, 1ST INCREMENT	06/73	30.3	06/73	30.3	25.6	4.7-	16-	.5	2
TRIDENT SUPPORT SITE, BANGOR, WA. UTILITIES & SITE IMPROVEMENTS, 2ND INCREMENT	04/74	42.9	04/74	42.9	35.5	7.4-	17-	.2-	1-
TRIDENT SUPPORT SITE, BANGOR, WA. UTILITIES & SITE IMPROVEMENTS, 3RD INCREMENT	06/75	37.1	06/75	37.1	37.2	.1		.6	2
UNIFORMED SERVICES UNIVERSITY OF HEALTH SCIENCES, BETHESDA, MD	02/75	64.9	02/75	64.9	61.0	3.9-	6-	1.8	3
DATA PROCESSING AND TELECOMMUNICATIONS:									
INTEGRATED DISBURSING AND ACCOUNTING	09/79	41.7	09/79	41.7	41.7				03
INVENTORY CONTROL POINTS	09/79	64.7	09/79	64.7	64.7				03
MANPOWER & PERSONNEL MIS	09/79	43.8	09/79	43.8	43.8				03
MARINE CORPS ADPE REPL	09/79	29.7	09/79	29.7	29.7				03
NAVAL AVIATION LOGISTICS COMMAND MIS	09/79	86.3	09/79	86.3	86.3				03
SHIPBOARD MIS	09/79	55.7	09/79	55.7	55.7				03
STOCKPOINTS MIS	09/79	32.8	09/79	32.8	32.8				03

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	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
	DEPARTMENT OF DEFENSE: (CONT.)										
DEPARTMENT OF THE NAVY: (CONT.)											
SYSTEMS:											
5" GUIDED PROJECTILE (APP. V. P. 99)	1972	109.8	08/77	500.5		535.7	35.2	7	35.2	7	
A-6E AIRCRAFT	1970	574.6	1970	574.6		1,665.7	1,091.1	190	757.1-	18-	
A-7E AIRCRAFT	05/68	1,465.6	05/68	1,465.6		2,511.0	1,045.4	71	105.9	4	
A/G STANDOFF WEAPON (ROT&E ONLY)	09/78	195.4	09/78	195.4		260.0	64.6	33	64.6	33	
AALC (AIR CUSHIONED VEHICLE)	1971	163.7	1971	163.7		164.2	.5				
AD-41 CLASS, DESTROYER TENDER	09/73	90.6	09/73	90.6		1,045.5	954.9	1,054	11.9-	1-	
ADV ASW TORPEDO	08/75	2,272.6	08/75	2,272.6		4,032.8	1,760.2	77	3,392.8	530	
ADVANCED SIGNAL PROCESSOR	10/73	388.3	03/78	773.1		464.0	130.9	39	285.0	159	
AEGIS (ROT&E ONLY) (APP. V. P. 99)	04/68	388.0	01/70	427.6		630.6	203.0	47	35.3	6	
AN/ALQ (AIRBORNE SELF PROTECTION JAMMER (ASPJ))	07/78	1,601.2	07/78	1,601.2		1,739.7	261.5-	16-	261.5-	16-	
AN/BQQ-5 SONAR	09/70	429.6	09/70	429.6		1,672.0	1,242.4	289	629.0	60	
AN/WLQ-4	12/76	372.5	12/76	372.5		489.1	116.6	31			01
AO-177 CLASS FLEET OILER	09/73	708.0	09/73	708.0		645.8	62.2-	9-	16.2	3	
AO-T FLEET OILER	09/78	637.5	09/78	637.5		746.2	108.7	17			01
AS-39 CLASS SUBMARINE TENDER	09/73	412.9	09/73	412.9		643.0	230.1	56			
AV-8B HARRIER	10/76	3,678.4	07/79	7,113.9		7,113.9			1,745.7	33	13

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APPENDIX II

APPENDIX II

CAPTOR ANTI SUBMARINE WEAPONS SYSTEM (APP. V. P. 99)	12/71	329.2	12/71	329.2	1,521.2	1,192.0	362	270.7	22	
CARRIER SERVICE LIFE EXTENSION PROGRAM	09/78	1,150.5	09/78	1,150.5	1,239.9	89.4	8	89.4	8	
CGN-38 FRIGATE (APP. V. P. 99)	02/69	769.2	12/71	820.4	1,272.9	452.5	55	5.5-		
CH-53E HELICOPTER (APP. V. P. 99)	04/73	578.4	06/78	578.4	798.6	220.2	38	26.8	3	
COMPAT SYSTEM ENGINEERING DEVELOPMENT	06/74	214.8	01/78	251.0	311.1	60.1	24	52.4	20	
CVN-68 CLASS AIRCRAFT CARRIER (PROCUREMENT ONLY) (APP. V. P. 99)	1972	1,919.5	1972	2,036.2	2,771.5	735.3	36	3.9		
DD-963 DESTROYER (APP. V. P. 99)	11/67	1,784.4	06/70	2,581.2	4,352.6	1,771.4	69	192.8	5	
DDG-2 CLASS CONVERSION	09/78	1,946.6	09/78	1,946.6	2,097.1	150.5	8	150.5	8	
DDG-47 (GUIDED MISSILE DESTROYER) (APP. V. P. 99)	1976	5,041.7	03/78	14,043.5	14,861.9	778.4	6	778.4	6	
DIFAR SONOBUOY SYSTEM	07/66	86.3	04/68	262.3	487.0	224.7	86	107.7	28	
E-2C (HAWKEYE) AIRCRAFT (APP. V. P. 99)	07/68	586.2	07/68	586.2	3,015.7	2,429.5	414	312.5	12	
EA-6B AIRCRAFT	11/64	689.7	04/68	817.7	2,270.3	1,452.6	178	14.8	1	
ELF COMMUNICATIONS (SANGUINF)	06/75	534.0	06/75	534.0	441.2	92.8-	17-			
F-14 (TOMCAT) AIRCRAFT (APP. V. P. 99)	01/69	6,166.0	01/69	6,166.0	12,190.5	6,024.5	98	114.8	1	
F-18 AIRCRAFT (APP. V. P. 99)	1975	12,875.3	12/75	12,875.3	24,023.3	11,148.0	87	9,702.0	68	11
FFG-7 SHIP (APP. V. P. 99)	09/72	3,244.5	09/72	3,244.5	12,072.2	8,827.7	272	1,947.4	19	11
FLEET SATELLITE COMMUNICATION SYSTEM	01/74	822.4	01/74	822.4	848.4	26.0	3	75.2	10	
HARM MISSILE (APP. V. P. 99)	07/72	208.4	09/78	1,357.9	1,389.3	31.4	2	31.4	2	11

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	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
DEPARTMENT OF DEFENSE: (CONT.)											
DEPARTMENT OF THE NAVY: (CONT.)											
SYSTEMS: (CONT.)											
HARPOON MISSILE (APP. V. P. 99)	07/70	1,071.4	06/74	1,031.8		1,829.8	798.0	77	245.5	15	
HIGH ENERGY LASER (RDT & E ONLY)	05/68	218.3	05/68	218.3		532.3	314.0	144	2.3		
ISPE SONAR	06/78	491.2	09/79	493.6		493.6					01
JTIDS	12/77	1,534.2	12/77	1,534.2		3,870.0	2,335.8	152	2,335.8	152	04
LAMPS MK III (APP. V. P. 99)	09/73	1,315.4	03/78	3,907.6		3,578.6	379.0-	8-	72.2	2	
LHA SHIP (APP. V. P. 99)	04/69	1,380.3	04/69	1,380.3		1,670.7	290.4	21	100.8	6	
MK-46 IMPROVEMENT PROGRAM	02/75	121.9	02/75	121.9		868.8	746.9	613	83.4-	9-	
MK-48 TORPEDO (APP. V. P. 99)	03/64	720.5	11/71	1,753.8		1,705.5	48.3-	3-	8.4-		
MK-48 TORPEDO ADVANCED CAPABILITY	09/79	1,295.9	09/79	1,295.9		1,295.9					03
NAVSTAR GPS	12/73	29.2	12/73	29.2		639.4	610.2	2,090	259.7	68	04,05
P-3C (ORION) AIRCRAFT (APP. V. P. 99)	06/67	1,294.2	06/67	1,294.2		5,484.6	4,190.4	324	208.7	4	
PHALANX CIWS (APP. V. P. 99)	01/73	568.5	01/73	568.5		1,301.4	732.9	129	184.2	16	
PHM SHIP (APP. V. P. 99)	02/73	726.2	02/73	726.2		399.9	326.3-	45-	8.2	2	
PHOENIX MISSILE (APP. V. P. 99)	1963	370.8	06/63	536.4		1,784.8	1,248.4	233	103.5	6	

PRAM	03/76	148.8	03/76	148.8	1,124.0	975.2	655	73.2	7	
RAPLOC (ROT&E ONLY)	09/78	218.0	09/78	218.0	265.3	47.3	22	47.3	22	
SIDFINDER AIM-9L MISSILE (APP. V. P. 99)	06/71	99.7	06/71	99.7	346.0	246.3	247	7.8-	2-	06
SOSUS (CAESAR) ANTI SUBMARINE DETECTION & TRACKING SYSTEM	03/72	1,434.0	03/72	1,434.0	2,973.3	1,539.3	107	78.5	3	
SOB-ASW STANDOFF	09/79	1,800.0	09/79	1,800.0	1,800.0					03
SPARROW AIM-7F MISSILE (APP. V. P. 99)	05/65	139.8	06/68	453.6	1,478.9	1,025.3	226	443.6	43	06
SSN-688 SUBMARINE (APP. V. P. 99)	02/69	1,658.0	01/71	5,747.5	10,790.2	5,042.7	88	1,196.4	12	11
STANDARD ER AND MR MISSILES	1976	704.9	1976	704.9	3,262.6	2,557.7	363	253.1	8	04
SURTASS AIRWAY SENSOR (APP. V. P. 100)	06/73	19.1	11/74	259.3	521.7	262.4	101	32.0	7	
TACAMO	1978	629.1	1978	629.1	670.4	41.3	7	41.3	7	
TACTAS (APP. V. P. 100)	06/76	601.1	06/76	601.1	984.5	383.4	64	524.0	114	
TOMAHAWK (SLCM) MISSILE (APP. V. P. 100)	1975	2,524.6	01/78	2,422.9	1,551.3	871.6-	36-	1,024.7-	40-	11
TRIDENT SUBMISSILE SYSTEM (APP. V. P. 100)	12/71	11,286.5	01/74	12,431.1	25,545.4	13,114.3	105	1,565.5	7	
SIH TOTAL		85,687.4		110,428.8	187,531.4	77,102.6		26,207.1		
AGENCY TOTAL		151,666.2		210,962.9	324,373.8	113,410.9		41,308.8		
DEPARTMENT OF ENERGY:										
COMMERCIAL WASTE MANAGEMENT:										
NATIONAL WASTE TERMINAL STOR- AGE FACILITY (78-5-A)	12/77	55.0	12/77	55.0	55.0					01.04
DEFENSE WASTE MANAGEMENT:										
ADDITIONAL FACILITIES, HIGH LEVEL WASTE STORAGE, SAVANNAH RIVER, SC	12/74	68.0	12/74	68.0	68.0					

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FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1979
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT -----	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES -----
	DATE	AMOUNT	DATE	AMOUNT	NON- FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
DEPARTMENT OF ENERGY: (CONT.)											
DEFENSE WASTE MANAGEMENT: (CONT.)											
ADDITIONAL HIGH LEVEL WASTE STORAGE FACILITIES, RICHLAND, WA	12/74	35.0	12/74	35.0		35.0					
CONCENTRATION AND SALT LAKE STORAGE FACILITIES, RICHLAND, WA	09/73	30.0	09/73	30.0		27.6	2.4-	8-			
DEFENSE WASTE PROCESSING FA- CILITY SAVANNAH RIVER, SC	09/79	2,800.0	09/79	2,800.0		2,800.0					03
HIGH LEVEL WASTE STORAGE AND HANDLING FACILITIES, RICH- LAND, WA	12/75	40.0	12/75	40.0		40.0					
HIGH LEVEL WASTE STORAGE AND WASTE MANAGEMENT FACILITIES, RICHLAND, WA	04/77	25.0	12/77	40.0		27.0	13.0-	32-	13.0-	32-	
HIGH LEVEL WASTE STORAGE FA- CILITIES, SAVANNAH RIVER, SC	12/76	42.0	12/77	42.0		42.0					
HIGH LEVEL WASTE STORAGE TANKS AND WASTE MANAGEMENT FA- CILITIES, SAVANNAH RIVER, SC	12/75	56.0	12/75	56.0		56.0					
TRW WASTE TREATMENT FACILITY, INEL, ID	09/79	500.0	09/79	500.0		500.0					03
SUB TOTAL		3,596.0		3,611.0		3,595.6	15.4-		13.0-		

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FISSION POWER REACTOR
DEVELOPMENT:

CLINCH RIVER BREEDER REACTOR DEMONSTRATION PLANT, OAK RIDGE, TN (APP. III, P. 80)	07/69	699.0	08/72	699.0	268.0	2,500.0	1,801.0	258		04.13.14
EYEC FACILITY MODIFICATION, ENERGY TECHNOLOGY ENGINEERING CENTER SANTA SUSANA, CA	09/79	26.8	09/79	26.8		26.8				03
FAST FLUX TEST FACILITY, RICHLAND, WA	09/66	87.5	09/75	647.0		647.0				
FUEL AND MATERIAL EXAMINATION FACILITY, MEDL, RICHLAND, WA.	04/77	140.4	04/77	140.4		170.6	30.2	22	53.0	45
FUEL STORAGE FACILITY, RICH- LAND, WA	12/76	30.3	12/76	30.3		30.3				
GAS REACTOR IN-PILE TEST LOOP (GRIST-2) INEL, ID (79-BR-01)	01/78	34.1	03/79	37.6		37.6				01
SAFETY RESEARCH EXPERIMENTAL FACILITY (SAREF) PHASE I, TREAT UPGRADE, ANL-W, ID	12/78	27.7	12/78	27.7		27.7				01
SUB TOTAL		1,045.8		1,608.8	268.0	3,440.0	1,831.2		53.0	

FOSSIL ENERGY DEVELOPMENT:

4.8 MW FUEL CELL DEMONSTRATION UNIT, CA	04/76	53.0	06/76	53.0	28.1	68.3	15.3	29	.3	
COMPONENT DEVELOPMENT AND INTEGRATION FACILITY, BUTTE, MONTANA	01/76	31.5	01/76	31.5		37.0	5.5	17		
COMPONENT TEST AND INTEGRA- TION UNIT (ATMOS), MORGAN- TOWN, W. VA.	10/76	18.0	01/77	34.5		49.8	15.3	44	7.3	17
DONOR SOLVENT EXTRACTION PILOT PLANT, BAYTOWN, TX	1975	121.0	1975	121.0	60.0	121.0				
ERULLATED BED (H-COAL) PILOT PLANT, CATTLETSBURG, KY	12/75	165.2	1976	110.0	29.0	187.0	77.0	70	47.2	34
HIGH BTU SYNTHETIC PIPELINE GAS DEMONSTRATION PLANT (CON- CEPTUAL DESIGN)	10/76	474.0	09/77	474.0	275.0	550.0	76.0	16	76.0	16

ESTIMATED COST DATA COMPARISON
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	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
DEPARTMENT OF ENERGY: (CONT.)											
FOSSIL ENERGY DEVELOPMENT: (CONT.)											
PRESSURIZED FLUIDIZED - BED COMBINED CYCLE PLANT, 13MW, PILOT WOODRIDGE, NJ	03/76	24.3	04/77	34.3	3.0	40.2	5.9	17	7.1	21	
SOLVENT REFINED COAL DEMONSTRATION PLANT (SRC#I)	09/79	584.0	09/79	584.0		584.0					03
SOLVENT REFINED COAL DEMONSTRATION PLANT (SRC#II)	09/79	584.0	09/79	584.0		584.0					03
SUB TOTAL		2,055.0		2,026.3	395.1	2,221.3	195.0		117.9		
FUSION POWER RESEARCH AND DEVELOPMENT:											
ELMO BUMPY TORUS (ERT) PROOF OF PRINCIPLE EXPERIMENT (79-MF-01)	01/78	44.0	01/78	44.0		44.0					01
FUSION MATERIALS IRRADIATION TEST FACILITY, RICHLAND, WA	09/77	83.0	09/77	83.0		105.0	22.0	27	22.0	27	
MIRROR FUSION TEST FACILITY, LLL, CA	12/76	94.2	12/77	94.2		94.2					
TOKAMAK FUSION TEST REACTOR, PRINCETON PLASMA LAB, PLAINSBORO, NJ	01/75	215.0	01/75	215.0		285.0	70.0	33	46.0	19	
SUB TOTAL		436.2		436.2		528.2	92.0		68.0		
GEOTHERMAL ENERGY:											
FIRST 50MW GEOTHERMAL DEMONSTRATION PLANT, NM	12/77	110.0	12/77	110.0	55.0	110.0					

HIGH ENERGY PHYSICS RESEARCH:									
INTERSECTING STORAGE ACCELERATOR, 400 GFV ELECTRON VOLTS (ISABELLE), BNL, NY	12/77	276.8	12/77	276.8	276.8				
POSITRON-ELECTRON JOINT PROJECT, LAWRENCE BERKELEY LABORATORY & STANFORD LINEAR ACCELERATOR CENTER, CA	03/75	72.0	12/75	78.0	78.0				
SUB TOTAL		348.8		354.8	354.8				
INERTIAL CONFINEMENT SYSTEMS:									
HIGH ENERGY LASER FACILITY (NOVA), LLL, CA	12/77	196.8	12/77	196.8	196.8				
HIGH ENERGY LASER FACILITY, LASL, NM	12/73	22.6	06/75	54.0	62.5	8.5	16		14
SUB TOTAL		219.4		250.8	259.3	8.5			
NAVAL PETROLEUM AND OIL SHALE RESERVE PROGRAMS:									
MPR #1 GAS PLANT, UNITY DEVELOPMENT AND PIPELINE CONSTRUCTION, ELKHILLS, CA	09/77	426.0	09/77	426.0	431.0	95.0	22	89.0	21
NUCLEAR MATERIALS PRODUCTION:									
ENVIRONMENTAL SAFETY AND SECURITY IMPROVEMENTS TO WASTE MANAGEMENT AND MATERIALS PROCESSING FACILITIES RICHLAND, WA	04/77	25.0	12/77	40.0	40.0				01.14
FLUORINEL DISSOLUTION PROCESS AND FUEL RECEIVING IMPROVEMENTS, ICPP, ID	12/75	35.0	12/77	116.0	150.0	34.0	29	34.0	29
NEW WASTE CALCINING FACILITY (CHEMICAL PROCESSING PLANT), INEL, ID	12/73	20.0	12/74	45.0	61.0	16.0	25		14
SUB TOTAL		80.0		221.0	271.0	50.0		34.0	

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AGENCY AND PROJECT -----	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES -----
	DATE	AMOUNT	DATE	AMOUNT	NON- FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
DEPARTMENT OF ENERGY: (CONT.)											
POWER MARKETING, HONNEVILLE POWER ADMINISTRATION:											
ASHE-WILLAMETTE VALLEY TRANSMISSION FACILITIES, OR & WA	02/74	113.7	07/79	158.2		160.8	2.6	2	15.0	11	17
D C INTERTIE NO 1 UPRATING	06/78	31.4	06/79	34.7		34.7					01
HOT SPRINGS-BELL TRANSMISSION FACILITIES, ID, MT & WA	06/74	57.9	06/74	58.0		64.9	6.9	12	4.3-	6-	
NORTHERN IDAHO SUPPORT & LIBBY INTEGRATION	07/78	29.9	07/79	33.0		33.0					01
OKANOGAN AREA SERVICE (APP. III, P. A0)	07/73	5.9	08/75	5.8		30.7	24.9	429			01
WESTERN MONTANA TRANSMISSION, MT	11/77	145.7	03/78	152.2		143.6	8.6-	6-	8.6-	6-	
WNP NO. 3 & 5 INTEGRATING TRANSMISSION, WA	02/75	32.4	08/75	43.0		50.0	7.0	16	1.9	4	
SUB TOTAL		416.9		484.9		517.7	32.8		4.9		
SOLAR ENERGY:											
10 MEGAWATT CENTRAL RECEIVER SOLAR POWER PLANT, CA	09/77	121.3	09/77	121.3	13.3	121.3			2.0-	2-	
OTEC 1 OCEAN TEST FACILITY, CA	09/77	38.4	09/77	38.4		33.0	5.4-	14-	11.0-	25-	
SOLAR ENERGY RESEARCH INSTITUTE (SERT)	09/79	98.5	09/79	98.5		98.5					03
SUB TOTAL		258.2		258.2	13.3	252.8	5.4-		13.0-		

STRATEGIC PETROLEUM RESERVE PROGRAM:										
SALT DOME, TERMINAL AND PIPE-LINE CONSTRUCTION, TX, LA	09/77	767.0	11/78	1,519.0	1,532.0	14.0	1	1,554.0-	50-	11
URANIUM RESOURCES AND ENRICHMENT ACTIVITIES:										
ADDITIONAL FACILITY FOR ENRICHED URANIUM PRODUCTION, PORTSMOUTH, OH	01/76	2,800.0	12/77	4,800.0	5,100.0	300.0	6	400.0	9	11.13
CASCADE UPGRATING PROGRAM, GASEOUS DIFFUSION PLANTS, KY, OH & TN	12/72	235.0	12/76	460.0	422.9	37.1-	8-			
CENTRIFUGE FACILITY MODIFICATIONS, OAK RIDGE, TN	12/76	30.0	12/76	30.0	30.0					
CENTRIFUGE PLANT DEMONSTRATION FACILITY, OAK RIDGE, TN	12/75	60.7	12/75	60.7	60.7					
EXPANSION OF FEED VAPORIZATION AND SAMPLING FACILITIES, GPP'S, OAK RIDGE, TN	04/76	30.0	04/76	30.0	30.0					
PROCESS EQUIPMENT MODIFICATIONS GASEOUS DIFFUSION PLANTS, KY, OH & TN	12/71	523.0	12/77	990.0	990.0					
SUB TOTAL		3,678.7		6,370.7	6,633.6	262.9		400.0		
WEAPONS ACTIVITIES:										
DP SITE PU PROCESS FACILITY, LASL, NM	09/70	30.0	05/74	75.0	75.0					
FACILITIES FOR MODERN STRATEGIC ROMR	12/78	28.0	06/79	35.0	35.0					01
NEW PLUTONIUM RECOVERY FACILITY, ROCKY FLATS, CO	09/70	63.0	05/74	140.0	215.0	75.0	54	12.9	6	
WEAPONS SAFEGUARDS, VARIOUS LOCATIONS	12/76	28.0	12/76	28.0	28.0					
SUB TOTAL		149.0		278.0	353.0	75.0		12.9		
AGENCY TOTAL		13,642.0		18,009.7	731.6	20,455.3	2,445.6	958.3-		

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	DATE	AMOUNT	DATE	AMOUNT	NON- FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
	DEPARTMENT OF HEALTH AND HUMAN RE- SCOURCES:										
NATIONAL INSTITUTES OF HEALTH:											
AMBULATORY CARE RESEARCH FA- CILITY	07/72	63.7	03/77	108.5		108.6	.1		3.6	3	
LISTER HILL NATIONAL CENTER FOR BIOMEDICAL COMMUNICATIONS, MD	04/70	15.0	03/75	26.0		26.8	.8	3	.8	3	
NATIONAL ENVIRONMENTAL HEALTH SCIENCES CENTER, NC	02/72	51.0	03/75	69.2		70.8	1.6	2	.1-		
SUB TOTAL		129.7		203.7		206.2	2.5		4.3		
SOCIAL SECURITY ADMINISTRATION:											
AUTOMATED DATA PROCESSING & TELECOMMUNICATIONS SYSTEMS	09/79	34.3	09/79	34.3		34.3					01
AGENCY TOTAL		163.5		238.0		240.5	2.5		4.3		
DEPARTMENT OF JUSTICE:											
FEDERAL BUREAU OF INVESTIGATION:											
AUTOMATED IDENTIFICATION DIVISION SYSTEM	08/71	55.4	08/71	55.4		55.4					
IMMIGRATION & NATURALIZATION SERVICE:											
ALIFN DOCUMENTATION, IDENTIFI- CATION & TELECOMMUNICATION	1973	13.0	05/79	66.7		66.7					01
AGENCY TOTAL		68.4		122.1		122.1					
DEPARTMENT OF STATE:											
MOSCOW COMPLEX	06/68	100.0	06/68	100.0		129.3	29.3	29	29.3	29	

DEPARTMENT OF THE ARMY, CORPS OF
ENGINEERS:

BEACH EROSION:

DELAWARE COAST PROTECTION (73R09) (APP. III, P. 80)	1968	8.0	1977	22.6	15.3	47.6	25.0	111	3.6	2
EAST ROCKAWAY INLET TO ROCKAWAY INLET AND JAMAICA BAY, NY (PART I) (5210)	1965	26.0	1973	42.0	16.9	33.8	8.2-	20-	1.2	6
FIRE ISLAND INLET TO JONES INLET, NY (5880) (APP. III, P. 80)	1965	16.2	1971	19.4	17.5	44.3	24.9	12R	1.8	4
SUB TOTAL		50.2		84.0	49.7	125.7	41.7		6.6	

FLOOD CONTROL:

ALUM CREEK LAKE, OH (280)	1963	22.7	1968	29.1		54.8	25.7	8R	.2	
APPLEGATE LAKE, OR (440)	1963	14.7	1976	55.1	.6	98.1	43.0	7R	6.0	7
AQUILLA DAM AND LAKE, TX (74786)	1965	23.6	1976	43.5		43.0	.5-	1-	1.9	5
ARKANSAS-RED RIVER BASINS CHLORIDE CONTROL, OK, TX, AND KS (AREA VIII) (75261)	1976	26.0	1976	26.0		46.7	20.7	80	4.9	12
AURPEY LAKE, TX (74787) (APP. III, P. 80)	1962	34.1	1975	110.0		229.0	119.0	10R	18.0	9
R. EVERETT JORDAN DAM AND LAKE, NC (12410) (APP. III, P. 80)	1963	25.5	1967	29.5		110.0	80.5	273	5.0	5
REAR CREEK LAKE, CO (72285)	1969	32.6	1973	53.4	.5	63.0	9.6	1R	.2-	
REECH FORK LAKE, WV (1280) (APP. III, P. 80)	1962	11.0	1967	12.8		39.2	26.4	206	1.7	5
BIG WALNUT LAKE, IN (71527) (APP. III, P. 81)	1968	29.5	1976	63.3	45.1	126.9	63.6	100	9.4	8
BLOOMINGTON LAKE, MD AND WV (1770) (APP. III, P. 81)	1962	51.0	1970	76.7		167.0	84.3	110	3.0	2
BLUF MARSH LAKE, PA (1780)	1962	15.8	1973	37.6	8.9	69.9	32.3	8R	.5	1

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	DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS: (CONT.)										
FLOOD CONTROL: (CONT.)											
BLUF RIVER CHANNEL, KANSAS CITY, MO (7499)	1970	43.0	1979	103.9	16.9	111.0	7.1	7			01
BUFFALO BAYOU AND TRIBUTARIES, TX (2150)	1954	64.5	1960	93.2	69.3	176.2	83.0	89	6.1	4	
BURNSVILLE LAKE, WV (2270) (APP. III, P. 81)	1938	2.7	1968	21.8		51.7	29.9	137	2.4	5	
CAESAR CREEK LAKE, OH (2350) (APP. III, P. 81)	1938	3.6	1967	15.9		60.1	44.2	278	1.1	2	
CATHERINE CREEK LAKE, OR (21910) (APP. III, P. 81)	1965	7.9	1973	19.3	.3	45.1	25.8	134	5.1	13	
CAVE RUN LAKE, KY (2780) (APP. III, P. 81)	1935	1.8	1965	28.4		80.9	52.5	185	8.2	11	
CENTRAL AND SOUTHERN FL (2860) (APP. III, P. 81)	1948	208.1	1960	323.9	287.4	900.9	577.0	178	26.5	3	
CHARTIERS CREEK, PA (3010)	1965	20.3	1968	25.4	9.1	39.0	13.6	54	.2	1	
CHATFIELD LAKE, CO (3020)	1957	34.2	1967	74.0	7.9	98.4	24.4	33	1.1	1	
CHENA RIVER LAKES, AK (72738) (APP. III, P. 81)	1968	111.7	1973	109.5	11.3	225.3	115.8	106	3.1	1	
CLAYTON LAKE, OK (74925) (APP. III, P. 81)	1962	13.2	1973	21.8		50.5	28.7	132	3.0	6	
CLINTON LAKE, KS (3480)	1962	25.2	1972	44.2		56.8	12.6	29			
CLINTON, IA (74040)	1968	10.6	1974	17.0	4.4	31.0	14.0	82	.2	1	

COOPER LAKE AND CHANNELS, TX (3820) (APP. III, P. 81)	1955	9.1	1941	13.8	.3	85.9	72.1	522	4.7	6
COPAN LAKE, OK (3890)	1962	25.6	1971	42.4		67.6	25.2	59	1.7	3
CORTE MADERA CREEK, CA (3990) (APP. III, P. 81)	1962	6.9	1944	7.6	7.8	25.7	18.1	238		01
COWANESQUE LAKE, PA (4150) (APP. III, P. 81)	1958	28.6	1973	49.3		102.5	53.2	108	3.3	3
CUCAMONGA CREEK, CA (74649) (APP. III, P. 81)	1965	34.5	1975	56.7	19.8	113.8	57.1	101	7.4	7
DADE CO BEACH EROSION CONTROL, FL (74363)	1968	28.6	1976	61.4	28.1	61.8	.4	1	4.3	7
DRY CREEK LAKE, CA (4990) (APP. III, P. 81)	1962	42.5	1967	51.0	.1	239.1	188.1	369	19.0	9
EAST FORK LAKE, OH (5180) (APP. III, P. 81)	1938	4.5	1967	19.0		50.6	31.6	166		
EAST LYNN LAKE, WV (5190) (APP. III, P. 81)	1937	3.0	1965	14.3		34.9	20.6	144	.1	
EAST ST. LOUIS AND VICINITY (634) (APP. III, P. 81)	1965	3.7	1972	18.1	16.6	70.1	52.0	287	6.0	9
EL DORADO LAKE, KS (5350) (APP. III, P. 81)	1965	23.3	1971	29.3	5.6	84.1	54.8	187	.2-	
EL PASO, TX (5340) (APP. III, P. 81)	1965	15.6	1970	19.3	14.2	69.4	50.1	260	4.5	7
ELIZARETH, NJ (5380) (APP. III, P. 81)	1964	12.2	1969	14.2	11.3	50.6	36.4	256	1.2	2
ELK CREEK LAKE, OH (5370) (APP. III, P. 81)	1962	17.5	1971	27.2		97.2	70.0	257	9.3	11
EVANSVILLE, IN (5690) (APP. III, P. 81)	1937	2.4	1960	14.2	7.6	49.9	35.7	251	4.8	11
FALLS LAKE, NC (5800) (APP. III, P. 81)	1965	18.6	1971	29.6		124.0	94.4	319	5.0	4
FIRE ISLAND INLET TO MONTAUK PT., NY (5870) (APP. III, P. 82)	1960	42.5	1963	42.5	62.6	187.6	145.1	341	11.4	6

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DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS (CONT.)											
FLOOD CONTROL (CONT.)											
FOUR MILE RUN, CITY OF ALEXANDRIA & ARLINGTON COUNTY, VA (75027)	1974	38.6	1974	38.6	12.7	62.9	24.3	63	2.8	5	
FOUR RIVER BASINS, FL (6090) (APP. III, P. 82)	1962	99.8	1966	96.3	88.1	244.1	147.8	157	13.5	6	
FREEMPORT & VICINITY, TX (6180) (APP. III, P. 82)	1962	5.4	1965	5.5	12.5	41.5	36.0	655	.5	1	
GATHRIGHT LAKE, VA (6430) (APP. III, P. 82)	1946	13.0	1967	16.3		76.3	60.0	368	.5	1	
HILLSDALE LAKE, KS (7540)	1960	9.4	1973	37.3		59.6	22.3	60	.6	1	
INDIAN BEND WASH (GILA RIVER BASIN), AZ (22720) (APP. III, P. 82)	1961	9.0	1975	16.7	10.7	37.5	20.4	125	2.5	7	
KANSAS CITY, KS (8740)	1962	21.1	1970	28.5	6.6	34.9	6.4	22	.5	1	
KEHOE LAKE, KY (8870)	1965	15.0	1974	30.5		45.8	15.3	50	2.5	6	
LAFARGE LAKE AND CHANNEL IMPROVEMENT, WI (9240) (APP. III, P. 82)	1962	15.9	1971	24.5	.4	63.5	39.0	159	2.7	4	
LAKE PONTCHARTRAIN AND VICINITY, LA (9350) (APP. III, P. 82)	1965	84.8	1967	98.1	108.2	461.0	362.9	370	28.0	6	
LAKEVIEW LAKE, TX (9420)	1965	31.2	1975	105.0		202.0	97.0	92	38.0-	16-	

LAROSE TO GOLDEN MEADOW, LA (HURRICANE CONTROL) (6680) (APP. III, P. 82)	1960	7.9	1972	13.4	17.7	58.0	45.5	340	3.4	6
LAVON LAKE MODIFICATION AND EAST FORK CHANNEL IMPROVEMENTS, TX (9570) (APP. III, P. 82)	1962	24.1	1967	27.7	.2	66.8	39.1	141	1.4	2
LITTLE BLUE RIVER CHANNEL, MO (72277) (APP. III, P. 82)	1968	5.3	1973	9.1	3.4	31.6	23.5	290	1.5	5
LITTLE BLUE RIVER LAKES, MO (72276)	1968	33.9	1977	93.9		137.0	43.1	46	8.0	6
LOS ESTEROS LAKE, NM (10080) (APP. III, P. 82)	1954	7.0	1971	11.2		41.5	24.3	214	1.0	5
LUKFATA LAKE, OK (10290) (APP. III, P. 82)	1955	12.7	1968	13.9		39.9	26.0	187	3.7	10
MANKATO & N. MANKATO, MN (10520) (APP. III, P. 82)	1956	2.0	1968	5.8	4.0	79.9	74.1	1,278	20.6	35
MERAMEC PARK LAKE, MO (10990) (APP. III, P. 82)	1938	37.7	1973	79.1		190.0	110.9	140	12.0	7
MILL CREEK, OH (74993)	1969	42.0	1975	78.5	30.9	153.9	75.4	96	10.5	7
MISSOURI RIVER LEVEE SYSTEM (11610) (APP. III, P. 83)	1944	74.0	1963	66.4	20.8	196.8	130.4	196	21.5	12
MORGAN CITY & VIC, LA (11830) (APP. III, P. 83)	1965	4.4	1970	6.1	10.4	29.2	23.1	379	2.2	8
NAPA RIVER, CA (12130) (APP. III, P. 83)	1965	18.1	1970	22.0	19.5	68.5	46.5	211	5.3	8
NEW ORLEANS TO VENICE HURRICANE PROTECTION, LA (12110) (APP. III, P. 83)	1962	10.7	1964	10.8	45.0	149.0	138.2	1,280	7.0	5
OPTIMA LAKE, OK (13370) (APP. III, P. 83)	1936	1.5	1967	21.1		44.0	22.9	109	.3	1
PAINTSVILLE LAKE, KY (13570) (APP. III, P. 83)	1965	16.5	1971	22.7		50.8	28.1	124	5.8	13
PARK RIVER, HARTFORD, CT (73373)	1966	31.1	1974	73.3	1.3	60.0	13.3-	18-	.5	1

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AGENCY AND PROJECT	ORIGINAL ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGE AMOUNT	NOTES		
	DATE	AMOUNT	DATE	AMOUNT	FEDERAL SHARE	NON-FEDERAL SHARE				
DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS:										
FLOOD CONTROL: (CONT.)										
PATOKA LAKE, IN (13730) (APP. III, P. R3)	1963	20.4	1968	22.8	24.3	78.8	56.0	246	2.7	4
PORT ARTHUR AND VICINITY, TX (14350)	1962	33.4	1964	58.0	26.6	86.9	28.9	50	.3	
PORTUGUES R. HUCANA RIVERS, PR (74996) (APP. III, P. R3)	1970	60.4	1975	120.6	51.9	246.9	124.3	103	23.3	11
R.O. RAILY LAKE, WV (14780) (APP. III, P. R3)	1962	60.5	1967	82.6		184.0	101.4	123	3.0	2
RED RIVER LEVEES AND BANK STABILIZATION BELOW DENISON DAM, TX (15050) (APP. III, P. R3)	1946	9.5	1961	10.4	1.3	53.9	43.5	418	1.0	2
SACRAMENTO RIVER BANK PROTECTION, CA (15840) (APP. III, P. R3)	1960	21.4	1967	22.6	38.3	114.9	92.3	408	2.9	3
SAGINAW RIVER, MI (15910) (APP. III, P. R3)	1958	17.9	1967	20.3	10.2	84.9	64.6	318	5.2	7
SAN ANTONIO CHANNEL IMPROVEMENT, TX (16100) (APP. III, P. R3)	1953	23.4	1957	24.2	73.2	123.5	99.3	410	11.7	10
SAN GABRIEL RIVER, TX (16160) (APP. III, P. R3)	1962	45.5	1968	53.1		131.0	77.9	147	7.0	6
SANTA PAULA CREEK & CHANNEL, CA (16350) (APP. III, P. R3)	1948	2.3	1970	2.5	2.3	26.5	24.0	960		
SAYLORVILLE LAKE, IA (16510) (APP. III, P. R3)	1958	44.5	1964	36.5	1.0	98.8	62.3	171	1.7	2

SKIATOOK LAKE, OK (16530) (APP. III, P. 83)	1961	22.9	1973	42.5		89.1	46.6	110	16.5	23
SMITHVILLE LAKE, MO (16980) (APP. III, P. 83)	1966	21.5	1972	39.0	.6	88.4	49.4	127	4.1	5
SOUTHWESTERN JEFFERSON COUNTY, KY (71529)	1968	21.9	1973	36.1	9.4	63.5	27.4	76	6.6	12
STONEWALL JACKSON LAKE, WV (17580) (APP. III, P. 83)	1966	33.2	1970	40.5		124.0	43.5	206	7.0	6
SWEETWATER RIVER, CA (74660) (APP. III, P. 83)	1968	9.2	1972	14.4	15.6	32.1	17.7	123	2.6	9
TALLAHALA CREEK LAKE, MS (74433) (APP. III, P. 83)	1968	13.8	1973	19.2		79.3	60.1	313	11.9	14
TAYLORS BAYOU, TX (18000) (APP. III, P. 84)	1965	8.9	1970	10.5	14.7	41.8	31.3	298	2.7	7
TAYLORSVILLE LAKE, KY (18010) (APP. III, P. 84)	1966	21.8	1971	31.9		102.0	70.1	220	13.3	15
TEXAS CITY AND VICINITY, TX (18140) (APP. III, P. 84)	1958	8.3	1962	9.7	15.4	51.0	41.3	426	2.3	5
TIOGA-HAMMOND LAKES, PA (18250) (APP. III, P. 84)	1958	53.6	1971	72.3		188.4	116.1	161	5.6	3
TOMBIGREE RIVER AND TRIBUTARIES, MS AND AL (18310) (APP. III, P. 84)	1958	21.9	1965	26.9	13.3	116.3	89.5	334	10.6	10
TYRONE, PA (22670) (APP. III, P. 84)	1940	1.6	1972	15.5	4.1	46.1	30.6	197	2.7	6
WALNUT CREEK, CA (19390) (APP. III, P. 84)	1960	24.4	1964	28.9	20.2	83.7	54.9	190	4.2	5
WATERLOO, IA (19530) (APP. III, P. 84)	1965	18.7	1970	21.7	10.3	52.1	30.4	140	2.0	4
WILLAMETTE RIVER BASIN BANK PROTECTION, OR (19970) (APP. III, P. 84)	1936	2.4	1960	12.1	.3	27.6	15.5	128		01
YATESVILLE LAKE, KY (20310) (APP. III, P. 84)	1965	20.0	1973	28.8		65.2	36.4	126	3.2	5
SUB TOTAL		2,467.8		3,902.0	1,360.5	9,689.9	5,786.9		466.1	

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	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
	DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS: (CONT.)										
MISSISSIPPI RIVER AND TRIBUTARIES:											
ATCHAFALAYA BASIN, LA (690) (APP. III, P. 84)	1927	121.1	1967	285.1	9.0	1,189.0	903.9	317	40.6	4	
LOWER ARKANSAS RIVER, AR (625)	1928	25.7	1967	25.7	.1	33.6	7.9	31	.4	2	
LOWER RED RIVER SOUTH BANK (10220) (APP. III, P. 84)	1927	9.0	1967	17.2		35.4	18.2	106	1.2	4	
MISSISSIPPI RIVER CACHE BASIN (2320) (APP. III, P. 85)	1949	26.1	1967	27.2	16.2	132.2	105.0	386	8.4	7	
MISSISSIPPI RIVER CHANNEL IMPROVEMENTS (15240) (APP. III, P. 85)	1927	468.0	1967	942.0	1.1	2,425.1	1,483.1	157	107.6	5	
MISSISSIPPI RIVER LEVEES (11440) (APP. III, P. 85)	1927	221.0	1967	285.1	53.2	1,068.3	783.2	275	42.1	4	
MISSISSIPPI RIVER ST. FRANCIS BASIN (17320) (APP. III, P. 85)	1935	88.2	1967	134.6	1.9	291.9	157.3	117	5.0	2	
MISSISSIPPI RIVER TENSAS BASIN, LA (75053) (APP. III, P. 85)	1940	31.8	1967	86.5	.5	325.5	279.0	276	17.0	6	
MISSISSIPPI RIVER WEST TENNESSEE TRIBUTARIES (19730) (APP. III, P. 85)	1947	9.1	1967	12.0	2.9	62.1	50.1	417	3.4	6	
MISSISSIPPI RIVER YAZOO BASIN (75054) (APP. III, P. 85)	1935	195.0	1967	217.3	.9	808.9	591.6	272	39.0	5	

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APPENDIX II

APPENDIX II

OLD RIVER CONTROL, LA (13300) (APP. III, P. 85)	1953	81.0	1947	71.6	273.0	201.6	282	179.8	193	
TFCHE-VERMILION BASINS, LA (WATER SUPPLY) (23210) (APP. III, P. 85)	1966	5.1	1974	11.8	3.9	32.7	20.9	177	1.8	6
SUB TOTAL		1,281.1		2,115.9	89.7	6,677.7	4,561.8	446.7		
MULTIPURPOSE PROJECTS INCLUDING POWER:										
RONNEVILLE SECOND POWERHOUSE, OR AND WA (3580) (APP. III, P. 85)	1937	170.0	1974	267.0	601.0	334.0	125	26.0	5	
CHIFF JOSEPH ADDITIONAL UNITS, WA (3200)	1960	57.5	1973	167.0	297.0	130.0	78	13.0-	4-	
CLARENCE CANNON DAM, MO (2560) (APP. III, P. 85)	1962	63.3	1966	70.6	241.0	170.6	241	16.0	7	
DEGRAY LAKE, AR (4530) (APP. III, P. 85)	1950	19.0	1962	32.5	72.2	39.7	122	.4	1	
DWORSNAK DAM AND LAKE, ID (5090)	1962	127.2	1963	186.0	321.7	135.7	73	2.0	1	
HARRY S. TRUMAN DAM AND RESERVOIR, MO (8840) (APP. III, P. 85)	1958	102.0	1965	146.2	479.0	332.8	228	10.0	2	
ICE HARBOR ADDITIONAL UNITS, WA (8000)	1945	20.0	1971	26.4	36.0	9.6	36	.6	2	
JOHN DAY LOCK AND DAM, OR AND WA (8480)	1950	379.8	1960	387.0	480.9	93.9	24	2.4-		
JONES BLUFF LOCK AND DAM, AL (8590)	1945	52.6	1966	52.6	84.0	31.4	60	.5-	1-	
LAUREL RIVER LAKE, KY (9550) (APP. III, P. 85)	1960	21.9	1965	23.8	59.1	35.3	148	3.3	6	
LIRRY ADDITIONAL UNITS AND REGULATING DAM, MT (7505b)	1950	75.0	1977	193.0	266.0	73.0	38	19.0	8	
LIRRY DAM-LAKE KOOCANUSA, MT (9750)	1950	239.1	1966	343.0	487.0	144.0	42			
LITTLE GOOSE ADDITIONAL UNITS, WA (72733)	1945	20.0	1974	34.1	59.7	25.6	75	1.1	2	

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	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	\$	AMOUNT	\$	
DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS (CONT.)											
MULTIPURPOSE PROJECTS INCLUDING POWER (CONT.)											
LOST CREEK LAKE, OR (10090)	1962	74.5	1967	83.1		154.0	70.9	85			
LOWER GRANITE ADDITIONAL UNITS, WA (908)	1945	20.0	1974	34.1		47.5	13.4	39	.1		
LOWER GRANITE LOCK AND DAM, WA (10180)	1945	114.0	1965	174.1		307.0	132.9	76	.4		13
LOWER MONUMENTAL ADDITIONAL UNITS, WA (909)	1945	20.0	1975	37.8		51.2	13.4	35	.4	1	
LOWER SNAKE RIVER FISH & WILDLIFE COMPENSATION OR, WA (79016)	1976	58.4	1979	64.1		94.1	30.0	47			01
MENARY LOCK AND DAM, OR AND WA (10920)	1945	236.4	1960	293.8		327.3	33.5	11	.5		
NFW MELONES LAKE, CA (12460) (APP. III, P. 85)	1962	114.0	1964	122.0		366.0	224.0	184	5.0	1	
NORFOLK LAKE HIGHWAY BRIDGE, AR (79001)	1974	16.0	1979	29.3		41.0	11.7	40			01
RICHARD M. RUSSELL (TROTTERS SHOALS) DAM AND LAKE, GA AND SC (14530)	1965	85.0	1975	174.0		317.0	139.0	78	18.0	6	
SPEWELL BLUFF LAKE, GA (17260) (APP. III, P. 85)	1963	63.2	1971	91.8		293.0	201.2	219	23.0	9	
THE DALLES ADDITIONAL UNITS, WA AND OR (72684)	1950	53.2	1967	64.0		52.2	11.8-	18-	1.8-	3-	

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APPENDIX II

APPENDIX II

TOCKS ISLAND LAKE (RELOCATION OF ROUTE 209 ONLY) (75282)	1962	50.3	1976	50.3	4.0	67.0	16.7	33	5.1	8
TOCKS ISLAND LAKE, PA, NJ, AND NY (18270)	1962	90.4	1973	295.0		491.0	196.0	66	40.0	9
WEST POINT LAKE, GA AND AL (19710) (APP. III, P. 85)	1962	52.9	1969	64.2		133.0	68.8	107	.1-	
WOLF CREEK DAM, LAKE CIMBERLAND, KY (20140)	1973	64.0	1975	64.0		107.0	43.0	67		
SUB TOTAL		2,413.7		3,574.8	4.0	6,312.9	2,718.1		153.1	
NAVIGATION:										
ATWW REPLACEMENT OF FEDERAL HIGHWAY BRIDGES IN NC (74967) (APP. III, P. 86)	1969	15.0	1974	20.2	5.9	43.2	23.0	114	5.2	14
ATCHAFALAYA RIVER AND RAYOUS CENF, ROEUF AND BLACK (74011) (APP. III, P. 86)	1968	9.6	1972	13.3	2.0	28.3	15.0	113		01
BALTIMORE HARBOR AND CHANNELS, MD (870)	1956	32.1	1961	34.1	4.2	45.4	11.3	33	13.1	41
CANNELTON LOCKS AND DAM, IN AND KY (2550)	1960	68.5	1962	71.8	.1	96.7	24.9	35	.1	
COOPER RIVER CHARLESTON HARBOR, SC (74354)	1966	35.4	1975	74.0		120.0	46.0	62	6.0	5
CORPUS CHRISTI SHIP CHANNEL, TX (74811) (APP. III, P. 86)	1968	21.2	1972	22.6	11.5	62.5	34.9	177	2.9	5
HAMPTON ROADS, VA (7270)	1965	29.5	1966	33.7	.9	40.0	6.3	19	.9	2
INLAND WATERWAY DELAWARE RIVER TO CHESAPEAKE BAY, PT. II, DE AND MD (8200)	1954	95.0	1962	98.8	.1	124.1	25.3	26	2.0	2
KASKASKIA RIVER, IL (8770)	1962	60.5	1966	68.9	7.7	136.7	67.8	98	1.0	1
MISSISSIPPI RIVER BETWEEN OHIO AND MISSOURI RIVERS (REGULATING WORKS) IL AND MO (11380) (APP. III, P. 86)	1910	21.0	1960	61.9		158.0	96.1	155	4.0	3

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	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	\$	AMOUNT	\$	
	DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS: (CONT.)										
NAVIGATION: (CONT.)											
MISSISSIPPI RIVER GULF OUTLET, LA (11410) (APP. III, P. 86)	1956	89.9	1961	117.2	151.0	557.0	443.8	392	36.0	7	
MISSISSIPPI RIVER, RATON ROUGE TO GULF (68) (APP. III, P. 86)	1945	4.2	1959	74.0		103.0	69.0	203	7.4	8	
MISSOURI RIVER, SIOUX CITY TO MOUTH (621)	1945	178.0	1940	350.2	9.1	437.1	86.9	25	2.2-	1-	
MORILE MARROC (THEODORE CHANNEL), AL (74948) (APP. III, P. 86)	1970	8.9	1974	15.2	19.3	85.2	70.0	461	3.4	4	
NEW YORK HARBOR, COLLECTION & REMOVAL OF DRIFT, NY (74966)	1974	28.8	1975	49.7	45.9	84.3	39.6	80	4.4	5	
NEWRURGH LOCKS AND DAM, IN AND KY (12560)	1962	58.5	1965	62.1	.1	105.5	43.4	70	.2		
OUACHITA AND BLACK RIVERS, AR AND LA (13470) (APP. III, P. 86)	1960	45.0	1963	46.9	6.7	218.7	171.8	366	6.4	3	
OVERTON-RED RIVER NW-LWR 31 MILES, LA (13480) (APP. III, P. 86)	1946	44.0	1968	11.1	.1	25.2	14.1	127			01
PORT EVERGLADES HARBOR, FL (76031)	1974	8.9	1979	24.6	1.7	33.8	9.2	37			01

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APPENDIX I I

APPENDIX I I

RED RIVER WATERWAY (MISSISSIPPI RIVER TO SHREVEPORT, LA. AP AND OK) (65) (APP. III, P. 86)	1968	250.4	1974	417.4	54.9	1,209.0	791.6	190	93.8	A
SAN DIEGO RIVER AND MISSION BAY, CA (15750)	1941	15.1	1948	29.5	17.5	34.1	4.6	16	.5	1
SAN FRANCISCO BAY TO STOCKTON, CA (16630) (APP. III, P. 87)	1965	60.9	1970	71.0	39.5	175.6	104.6	147	17.4	A
SMITHLAND LOCKS AND DAM, IL AND KY (16950) (APP. III, P. 87)	1965	90.1	1970	110.1	.3	257.9	147.8	134	5.8	2
TAMPA HARBOR (MAIN CHANNEL), FL (74951)	1970	72.1	1975	99.2	1.0	170.1	70.9	71	17.1	11
TENNESSEE TOBIGREE WATERWAY, AL AND MS (18070) (APP. III, P. 87)	1963	281.8	1971	361.3	154.0	1,414.0	1,452.7	402	137.0	A
UNIONTOWN LOCKS AND DAM, IN AND KY (18840)	1958	51.4	1965	61.8	.1	100.4	38.6	62	.9	1
VERMILION LOCK (REPLACEMENT), LA (67)	1965	5.1	1979	22.4	.1	26.0	3.6	16		01
SUB TOTAL		1,680.9		2,379.0	533.7	6,296.8	3,917.8		354.3	
AGENCY TOTAL		7,893.7		12,055.7	2,037.6	29,102.0	17,046.3		1,431.6	
DEPARTMENT OF THE INTERIOR:										
BUREAU OF RECLAMATION:										
BRANTLEY PROJECT, NM (APP. III, P. 87)	1972	45.6	1972	45.6		152.0	106.4	233	69.0	83
CENTRAL ARIZONA PROJECT:										
NAVAJO PARTICIPATION AGREEMENT (POWER PLANT)	1968	115.2	1968	115.2		229.0	113.8	99		
WATER DEVELOPMENT (APP. III, P. 87)	1968	717.0	1968	735.6	.7	1,741.3	1,005.7	137	52.5	3

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AGENCY AND PROJECT -----	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES -----
	DATE	AMOUNT	DATE	AMOUNT	NON- FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	\$	AMOUNT	\$	
DEPARTMENT OF THE INTERIOR:											
(CONT.)											
BUREAU OF RECLAMATION: (CONT.)											
CENTRAL VALLEY:											
AUBURN-FOLSOM SOUTH UNIT (WATER CONTROL), CA (APP. III, P. 87)	1965	425.0	1965	425.0	5.8	1,260.8	835.8	197	76.5	6	
SACRAMENTO RIVER DIVISION (IRRIGATION), CA (APP. III, P. 87)	1950	111.4	1950	111.4		738.9	227.5	204	21.0	7	
SAN FELIPE DIVISION, CA (APP. III, P. 87)	1967	92.4	10/67	92.4	.1	205.9	113.5	123	12.6	7	
SAN LUIS UNIT (WATER CONTROL), CA (APP. III, P. 87)	1960	483.1	1960	483.1	164.7	1,092.8	609.7	126	27.3	3	
CNIFF JOSEPH DAM:											
ORDVILLE-TUNASKET UNIT	01/76	39.4	01/76	39.4		43.7	4.3	11	12.5	22-	
COLORADO RIVER BASIN SALINITY CONTROL PROJECTS:											
GRAND VALLEY UNIT, CO	1979	175.2	1979	175.2		175.2					01
PARADOX VALLEY UNIT, CO (APP. III, P. 87)	1975	16.0	1975	16.0		62.6	46.6	291			01
POINT SOURCE DIVISION, LAS VEGAS WASH UNIT CONSTRUCTION	1975	49.6	1975	50.2		61.5	11.3	23	2.8	5	
SAN LUIS VALLEY PROJECT, CO	04/72	18.2	04/72	18.2		32.6	14.4	79			01
TITLE I, CONSTRUCTION (APP. III, P. 87)	1974	155.5	1974	157.7		339.4	182.2	116	5.7	2	

COLUMBIA BASIN:

IRRIGATION FACILITIES (APP. III, P. 87)	1935	925.4	1935	925.4	15.3	2,346.5	1,421.1	154	83.3	4
THIRD POWER PLANT	1966	390.0	1966	390.0		540.0	150.0	38	10.0	2
DRAINAGE AND MINOR CONSTRUCTION PROJECTS:										
ALL AMERICAN CANAL SYS, CA	1928	38.5	1947	56.6		64.5	7.9	14		
BOISE PROJECT, PAYETTE DIV	06/76	25.4	06/76	25.4		26.6	1.2	5	.1	
GILA, AZ	1947	53.1	1947	53.1		77.8	24.7	47		
KENDRICK, WY	1935	26.4	1935	26.4		35.0	8.6	33	.2-	1-
KLAMATH, CA AND OR (APP. III, P. 87)	1905	4.4	1945	10.5		32.2	21.7	207	2.0	7
SAN ANGELO, TX	1957	32.2	1957	32.2		30.1	2.1-	7-	.1-	
WASHITA, OK	1956	40.6	1956	40.6		31.1	9.5-	23-	.6	2
WASHOE, CA AND NV (APP. III, P. 87)	1954	52.0	1958	52.0		129.2	77.2	148	.6	
FRYINGPAN ARKANSAS PROJECT (WATER CONTROL), CO	1962	170.0	1974	501.0	.9	532.6	31.6	6	12.0-	2-
MCGEE CREEK PROJECT, OK	1979	83.2	1979	83.2		91.3	8.1	10		01
MOUNTAIN PARK PROJECT (WATER CONTROL), OK	1968	20.0	1968	26.0		39.5	13.5	52		
NAVAJO INDIAN IRRIGATION PROJECT, NM	1970	206.0	1970	206.0	.2	387.4	181.4	88	10.1	3
NUECES RIVER PROJECT (WATER CONTROL), TX	01/74	65.0	01/74	65.0	21.0	93.2	28.2	43	5.4	6
PALMETTO BEAK PROJECT (WATER CONTROL CONSTRUCTION), TX	1968	36.8	1968	36.8		68.7	31.9	87		
PICK-SLOAN MISSOURI BASIN PROGRAM:										
AINSWORTH, NE	1972	25.4	1972	25.4		25.1	.3-	1-	.3-	1-
HOSWICK DIVISION, KS AND NE	1972	50.8	1972	50.8		56.9	6.1	12	.1-	
FARWELL UNIT, NE	1972	36.4	1972	36.4		37.3	.9	2	1.9-	5-

ESTIMATED COST DATA COMPARISON
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(DOLLARS IN MILLIONS)

AGENCY AND PROJECT -----	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES -----
	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
DEPARTMENT OF THE INTERIOR: (CONT.)											
BUREAU OF RECLAMATION: (CONT.)											
PICK-SLOAN MISSOURI BASIN PROGRAM: (CONT.)											
FRENCHMAN CAMBRIDGE DIVISION, NE	1972	81.6	1972	81.6		82.7	1.1	1			
GLEN ELDER UNIT, KS	1972	57.4	1972	57.4		56.1	1.3-	2-	1.3-	2-	
LOWER MARIAS UNIT (TIBER DAM MODIFICATIONS), MT	1979	38.7	1979	38.7		47.1	8.4	22			01
NORTH LOUP DIVISION, NE	10/72	79.5	10/72	79.5		138.6	59.1	74	3.0	2	
O'NEILL UNIT, NE	10/72	113.3	10/72	113.3		196.1	82.8	73	6.6	3	
POLLOCK-HERRFID UNIT, SD	03/76	26.0	03/76	26.0		36.4	10.4	40	6.4	21	
YELLOWTAIL UNIT, MT AND WY	08/72	90.8	08/72	90.8		101.2	10.4	11	.3		
PICK-SLOAN MISSOURI RIVER BASIN PROGRAM:											
GARRISON DIVERSION UNIT, ND AND SD (APP. III, P. 88)	08/65	207.0	08/65	207.0	.2	785.1	578.1	279	172.5	28	
SHOSHONE EXTENSION UNIT, POLECAT RENCH AREA, WY	03/76	46.0	03/76	46.0		62.5	16.5	36	10.1	19	
SOUTH NEVADA WATER PROJ (DRAINAGE), NV (APP. III, P. 88)	1965	81.0	1965	81.9	22.6	173.1	91.2	111	.4		
YFTON BASIN, LOWER TETON DIVISION (WATER CONTROL), ID	1964	52.0	1964	52.0		102.4	50.4	97			

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TUALATIN PROJ (WATER CONTROL), OR (APP. III, P. RR)	1966	20.9	1944	20.9	2.1	55.8	34.9	147	1.0	2	
UPPER COLORADO RIVER STORAGE PROJECT:											
ANIMAS LA PLATA PARTICIPATING PROJECT, CO	1979	379.6	1979	379.6		379.6					01
CENTRAL UTAH PARTICIPATING PROJECT, BONNEVILLE UNIT, UT (APP. III, P. RR)	1972	420.4	1972	420.4		1,044.8	624.4	149	206.7	25	
CENTRAL UTAH PARTICIPATING PROJECT, JENSEN UNIT, UT (APP. III, P. RR)	1972	11.2	1972	11.2		52.3	41.1	767	14.4	18	
CENTRAL UTAH PARTICIPATING PROJECT, UPALCO UNIT (APP. III, P. RR)	1972	21.9	1972	21.9		54.4	32.7	149			01
CENTRAL UTAH PROJECT, RECREATION FISH & WILDLIFE FOR BONNEVILLE (APP. III, P. RR)	1972	20.0	1972	20.0		94.9	74.9	374	28.6	43	
CURECANTI UNIT, RECREATION FISH & WILDLIFE, CO (APP. III, P. RR)	1972	11.1	1972	11.1		26.7	15.6	141			01
DALLAS CREEK, CO	1968	40.8	1968	40.8		57.3	16.5	40	6.3	12	
DOLORES, CO (APP. III, P. RR)	1968	53.0	1968	53.0		276.2	181.2	342	34.7	17	
LYMAN, UT-WY (APP. III, P. RR)	1972	15.4	1972	15.4		32.0	16.6	108	.3	1	
SAN JUAN-CHAMA PARTICIPATING PROJECT	1962	85.8	1962	85.8		97.0	11.2	13	1.7	2	
SUB TOTAL		6,678.6		7,062.1	233.6	14,291.7	7,229.6		842.1		
NATIONAL PARK SERVICES:											
NATIONAL HISTORIC SITES:											
JFFERSON MEM, MO	1956	43.5	1956	43.5		42.2	1.3-	3-	1.3-	3-	
SAN JUAN, PR	1974	34.9	1974	34.9		40.7	5.8	17	4.7	13	

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ESTIMATED COST DATA COMPARISON
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AGENCY AND PROJECT -----	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES -----
	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
DEPARTMENT OF THE INTERIOR: (CONT.)											
NATIONAL PARK SERVICE: (CONT.)											
NATIONAL HISTORICAL PARKS:											
C & O CANAL, MD, WV AND DC	1971	51.4	1972	62.0		36.2	25.8-	42-	36.9-	50-	
COLONIAL, VA	1979	44.2	1979	44.2		44.2					01
INDEPENDENCE, PA	1967	24.1	1967	24.1		40.8	16.7	69	1.8	5	
NATIONAL LAKESHORES:											
INDIANA DUNES, IN	1966	5.8	1974	56.1		50.0	6.1-	11-			
PICTURED ROCKS, MI	07/72	27.6	07/72	27.6		15.0	12.6-	46-	12.6-	46-	
SLEEPING BEAR DUNES, MI	1970	18.8	1974	87.3		49.5	37.8-	43-			
NATIONAL MONUMENTS:											
RADLANDS, SD	07/60	28.5	07/60	28.5		31.4	2.9	10	2.9	10	
DEATH VALLEY, CA, NV	1960	16.6	1979	28.6		28.6					01
NATIONAL PARKS:											
BIG BEND, TX	07/60	35.4	07/60	35.4		38.6	3.2	9	3.2	9	
CANYONLANDS, UT	1979	40.0	1979	51.2		51.2					01-03
GLACIER, MT	1967	33.5	1967	33.5		50.8	17.3	52	8.5-	14-	
GRAND CANYON, AZ (APP. III, P. A9)	1967	44.2	1967	44.2		107.7	63.5	144	28.8	37	
GRAND TETON, WY	1979	47.1	1979	47.1		47.1					01
GREAT SMOKY MTS, NC, TN	1967	77.5	1967	117.6		48.2	69.4-	59-	.4	1	

LASSEN VOLCANIC, CA	07/60	28.0	07/60	28.0	40.4	12.4	44	12.4	44	
MESA VERDE, CO	1979	47.2	1979	47.2	47.2					01
MOUNT RAINIER, WA	1967	31.2	1967	31.2	36.2	5.0	16	2.2	6	
NORTH CASCADES, WA	1968	35.3	1968	35.3	43.8	8.5	24	7.8	22	
OLYMPIC, WA	07/79	64.6	09/79	64.6	64.6					01
ROCKY MOUNTAIN, CO	1967	33.7	1967	33.7	40.2	6.5	19	4.5	13	
SEQUOIA & KINGS CANYON, CA (APP. III, P. 89)	1967	28.2	1967	28.2	58.3	30.1	107	11.1	24	
SHENANDOAH, VA	1979	35.3	1979	35.3	35.3					01
STATUE OF LIBERTY, NY	1979	154.2	1979	154.2	154.2					01
VOYAGEURS, MINN	1900		1979	118.0	118.0					01
YELLOWSTONE, MT, WY AND ID (APP. III, P. 89)	1967	105.1	1967	105.1	226.7	121.6	116	60.6-	21-	
YOSEMITE, CA (APP. III, P. 89)	1967	34.9	1967	34.9	140.2	105.3	302	11.6	9	
NATIONAL RECREATION AREAS:										
RIGHORN CANYON, MT (APP. III, P. 89)	1966	11.8	1969	24.3	58.4	34.1	140	4.1	8	
GATFWAY, NJ AND NY	1972	92.8	1972	92.8	120.5	27.7	30	11.3	10	
GOLDEN GATE, CA	1972	58.0	1972	58.0	58.0					
LAKE MEAD, AZ AND NV	1968	32.2	1968	32.2	55.7	23.5	73	7.0	14	
NATIONAL SCENIC RIVERWAYS:										
OZARK, MO	07/66	25.3	07/66	25.3	26.9	1.6	6	1.6	6	
NATIONAL SEASHORES:										
GULF ISLAND, FL, MS	07/73	34.3	07/73	34.3	41.6	7.3	21	7.3	21	
PARKWAYS:										
BLUE RIDGE, VA, NC AND GA	1968	175.6	1968	175.6	230.7	55.1	31	118.8	106	
FOOTHILLS, TN	1979	109.7	1979	109.7	109.7					01.03
G. W. MEMORIAL, VA AND MD	1967	46.9	1967	46.9	41.5	5.4-	12-	3.6	9	

ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
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AGENCY AND PROJECT -----	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES -----
	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
DEPARTMENT OF THE INTERIOR:											
(CONT.)											
NATIONAL PARK SERVICE: (CONT.)											
PARKWAYS: (CONT.)											
NATCHEZ TRACE, MS, TN AND AL (APP. III, P. 89)	1967	111.6	1967	111.6		302.3	190.7	171	88.1	41	
SUB TOTAL		1,869.0		2,192.2		2,772.6	580.4		213.3		
AGENCY TOTAL		8,547.6		9,254.3	233.6	17,064.3	7,810.0		1,055.4		
DEPARTMENT OF THE TREASURY:											
INTERNAL REVENUE SERVICE:											
EQUIPMENT REPLACEMENT AND EN- HANCEMENT PROGRAM	03/78	210.0	03/78	210.0		210.0					
DEPARTMENT OF TRANSPORTATION:											
FEDERAL AVIATION ADMINISTRATION:											
FACILITIES AND EQUIPMENT:											
AIRPORT SURVEILLANCE RADARS (ASR-4/5/6) REPLACEMENT	01/79	154.3	01/79	154.3		154.3					01
CATEGORY I ILS FOR SATEL- LITE AIRPORTS	08/77	34.4	08/79	34.4		34.4					01
DUALIZED COMMON DIGITIZERS	04/77	16.1	04/77	16.1		27.7	11.6	72			01
FLIGHT SERVICE STATION AUTOMATION	11/75	257.5	11/75	257.5		212.0	45.5-	18-			
FRANGIBLE APPROACH LIGHT TOWERS	11/74	32.0	08/75	43.0		82.7	39.7	92	5.0	4	

LONG RANGE RADARS (ARSR-3 PROGRAM)	08/69	59.4	02/74	80.1		99.0	18.9	26	29.7	43
LOW LEVEL WIND SHEAR DETECTION SYSTEMS	07/78	28.5	07/78	28.5		28.5				01
UPGRADE AUTOMATED RADAR TERMINAL SYSTEM III (ARTS III) TO ARTS IIIA	09/78	73.4	09/78	73.4		75.4	2.0	3	2.0	3
VOR/VORTAC REPLACEMENT PROGRAM	06/76	104.0	12/76	104.0		130.7	26.7	26	19.6	18
GRANTS-IN-AID FOR AIRPORTS:										
AIRPORT DEVELOPMENT AID PROGRAM (ADAP) MULTI YEAR GRANT FOR ANCHORAGE INTERNATIONAL AIRPORT, ALASKA	06/77	35.0	06/77	35.0	2.2	35.0				
RESEARCH AND DEVELOPMENT:										
BEACON COLLISION AVOIDANCE SYSTEM	08/78	37.5	08/78	37.5		37.5				
DISCRETE ADDRESS BEACON SYSTEM/INTERMITTENT POSITIVE CONTROL	03/76	65.6	03/76	65.6		76.0	10.4	16		
MICROWAVE LANDING SYSTEM	04/72	91.0	04/72	91.0		112.6	21.6	24		
SUB TOTAL		988.7		1,020.4	2.2	1,105.8	85.4		56.3	
FEDERAL HIGHWAY ADMINISTRATION:										
DARIEN GAP HIGHWAY (APP. III, P. 89)	12/70	150.0	12/70	150.0	125.0	375.0	225.0	150		
INTERSTATE HIGHWAY SYSTEM (APP. III, P. 89)	1958	37,570.0	1958	37,570.0	13,611.0	127,158.0	89,588.0	238	13,203.0	12
SUB TOTAL		37,720.0		37,720.0	13,736.0	127,533.0	89,813.0		13,203.0	
FEDERAL RAILROAD ADMINISTRATION:										
NORTHEAST RAIL REHABILITATION	1975	1,900.0	02/76	1,900.0	150.0	1,900.0				
U.S. COAST GUARD:										
BOAT REPLACEMENT PROGRAM-SEARCH AND RESCUE BOATS	03/74	36.3	03/74	36.3		48.2	11.9	33	2.5	5

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AGENCY AND PROJECT -----	ORIGINAL ESTIMATE		HASFLINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM HASFLINE ESTIMATE	YEARLY CHANGE		NOTES -----
	DATE	AMOUNT	DATE	AMOUNT	NON- FEDERAL SHARE	TOTAL AMOUNT		AMOUNT	%	
DEPARTMENT OF TRANSPORTATION: (CONT.)										
U.S. COAST GUARD: (CONT.)										
HIGH ENDURANCE/MEDIUM ENDURANCE CUTTER REPLACEMENT	02/76	318.5	02/76	318.5		635.3	316.8	99	96.8	18
LORAN C-NATIONAL IMPLEMENTATION PLAN	03/75	51.5	03/75	51.5		73.7	22.2	43		
MEDIUM RANGE SURVEILLANCE AIRCRAFT (APP. III, P. 89)	03/74	83.3	03/74	83.3		338.5	255.2	306	8.7-	3-
POLAR SEA	09/73	66.0	09/73	66.0		66.0				
POLAR STAR	06/71	59.0	06/71	59.0		59.0				
REPLACEMENT HARBOR TUGBOATS	03/75	62.0	03/75	62.0		122.1	60.1	97	26.3	27
SHORT-RANGE RECOVERY HELICOPTERS	02/77	172.2	02/77	172.2		340.4	168.2	98	147.4	76
SUB TOTAL		848.8		848.8		1,683.2	834.4		262.3	
URBAN MASS TRANSPORTATION ADMINISTRATION:										
DEVELOPMENT & DEMONSTRATION PROJECTS:										
ADVANCED GROUP RAPID TRANSIT SYSTEM	02/76	100.0	02/76	100.0		100.0				16
URBAN RAPID RAIL VEHICLES & SYSTEMS PROGRAM	04/72	44.0	04/72	44.0		44.0				16

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MASS TRANSIT GRANTS:

ATLANTA METRO RAPID TRANS DIST - SUBWAY PHASE A (GA-03-0008)	06/73	1,000.0	06/73	1,000.0	200.0	1,000.0					16
BALTIMORE RAPID RAIL SYS - MD TRANS CEPT (MD-03-0004)	10/72	656.0	10/72	656.0	148.8	721.5	65.5	10			16
CALIF S RAPID TRANS DIST - BUY PROPERTY & REHAB BUSES (CA-03-0090)	06/74	36.1	06/74	36.1	8.1	40.7	4.6	13			16
CALIF S RAPID TRANS DIST - IMPROVE BUS SYS (CA-03-0132)	02/78	47.3	02/78	47.3	9.5	47.3					16
CHICAGO SO SUBURBAN MASS TRANS DIST - RAIL CARS, STA & TERMINUS (IL-03-0023)	01/73	38.3	01/73	38.3	13.5	40.4	2.1	5	2.1	5	
CHICAGO TRANS AUTH - 300 NEW CARS (IL-03-0068)	09/78	78.3	09/78	78.3	17.2	85.8	7.5	10	7.5	10	
CHICAGO TRANS AUTH - BUSES, RAIL CARS & EQUIP (PHASE II) (IL-03-0040)	06/74	184.7	06/74	184.7	40.8	206.8	22.1	12	2.7		
CHICAGO TRANS AUTH - CTA REHAB PROGRAM (IL-03-0062)	09/76	60.0	09/76	60.0	11.5	67.7	7.7	13	7.7	13	
CHICAGO TRANS AUTH - O'HARE EXT (IL-03-0046)	09/78	150.0	09/78	150.0	30.0	150.0					16
CHICAGO TRANS AUTH - SUBUR- BAN COMMUTER RAIL REHAB PRO- GRAM (IL-03-0065)	09/77	58.4	09/77	58.4	6.0	58.4					
CHICAGO TRANS AUTH - SUBUR- BAN COMMUTER RAIL REHAB PRO- GRAM (IL-03-0073)	09/78	25.0	09/78	25.0	9.7	48.7	23.3	93			01
CHICAGO TRANS AUTH - SYSTEM MOD-PHASE 1 (IL-03-0024)	09/78	132.8	09/78	132.8	49.9	156.1	23.3	18	23.3	18	
CHICAGO TRANS AUTH - SYSTEM MOD-PHASE 2 (IL-03-0066)	09/78	35.9	09/78	35.9	7.2	35.9					
CLEVELAND RAPID TRANS AUTH - IMPROVEMENT PROGRAM (OH-03-0054)	01/77	125.6	01/77	125.6	32.9	165.1	39.5	31	39.5	31	

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AGENCY AND PROJECT -----	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES -----
	DATE	AMOUNT	DATE	AMOUNT	NON- FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
DEPARTMENT OF TRANSPORTATION: (CONT.)											
URBAN MASS TRANSPORTATION ADMINISTRATION: (CONT.)											
MASS TRANSIT GRANTS: (CONT.)											
CONN TRANS DFPT - BUY BUSES (CT-03-0016)	02/76	36.9	02/76	36.9	10.2	36.9					16
DADE COUNTY-CONSTRUCT RAPID TRANSIT SYSTEM (FL-03-0036)	05/78	632.0	05/78	632.0	124.0	632.0					16
DENVER REG TRANS DIST - BUS SYSTEM IMPROVEMENT (CO-03-0010)	04/78	58.0	04/78	58.0	11.6	58.0					16
GOLDEN GATE BRIDGE TRANS DIST - BUSES, FERRIES & COMM EQUIP (CA-03-0036)	12/71	51.2	12/71	51.2	15.8	54.3	3.1	6			16
ILLINOIS REG TRANS AUTH - COMMUTER CARS & LOCOMOTIVES (IL-03-0049)	03/76	41.8	03/76	41.8	8.0	40.1	1.7-	4-	6.6-	14-	
MASS BAY TRANS AUTH - COMM OF MAINE-SO SHORE RED LINE TO SO BRAINTREE EXT (FED AID URRAN SYS INT HWY SUB) (MA-23-9001)	10/74	28.8	10/74	28.8	11.3	56.7	27.9	97			
MASS BAY TRANS AUTH - POWER SYS MOD (MA-03-0019)	09/78	59.1	09/78	59.1	11.8	59.1					
MASS BAY TRANS AUTH - RAPID RAIL CARS & EQUIP (FED AID URRAN SYS INT HWY SUB) (MA-23-9002)	06/75	53.4	06/75	53.4	15.3	76.4	23.0	43	.3-		

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MASS RAY TRANS AUTH - RED LINE-ALEWIFE EXT (MA-23-9008)	09/78	309.0	09/78	309.0	75.8	434.1	125.1	40	125.1	40
MASS RAY TRANS AUTH - RELO- CATE ORANGE LINE (MA-23-9007)	07/78	669.0	07/78	669.0	15.0	81.3	587.7-	NR-	587.7-	NR-
MASS RAY TRANS AUTH - SO COVE TUNNEL (FED AID URRAN SYS INT HWY SUR) (MA-23-9005)	04/76	36.3	04/76	36.3	6.7	33.7	2.6-	7-		
MASS RAY TRANS AUTH - SO QUINCY STA & PARK FACIL (MA-03-0049)	06/76	26.3	06/76	26.3	5.3	26.3				
MASS RAY TRANS AUTH - UPGRADE GREEN LINE (MA-03-0015)	02/72	49.6	02/72	49.6	49.2	67.8	18.2	37	18.2	37
MASS RAY TRANS AUTH - VEHICLES FOR GREEN LINE (MA-03-0022)	09/72	49.2	09/72	49.2	20.2	68.3	19.1	39	9.6	16
MICH SE TRANS AUTH-BUSES & EQUIP (MI-03-0030)	12/74	26.9	12/74	26.9	4.9	25.6	1.3-	5-		16
MISS RIVER BRIDGE AUTH - FERRIES & TERMINAL (LA-03-0012)	02/74	26.5	02/74	26.5	5.1	25.5	1.0-	4-		16
N JERSEY TRANS DEPT - BUY BUSES (NJ-03-0015)	01/75	47.3	01/75	47.3	15.0	75.0	27.7	59		
N JERSEY TRANS DEPT - NEW CARS & ELECTRIC GTC NY & LR (CONRAIL) (NJ-03-0006)	03/77	137.5	03/77	137.5	27.5	137.5				
N JERSEY TRANS DEPT - REHAB ERIE LACAWANNA RR & HWY RAIL CARS (NJ-03-0014)	12/74	307.4	12/74	307.4	62.7	311.0	3.6	1		
NEW YORK CITY TRANS AUTH - ARCHER AVE SUBWAY (SEC 263) (NY-03-0051)	06/74	257.7	06/74	257.7	98.9	269.3	11.6	5	70.0-	21-
NEW YORK CITY TRANS AUTH - BUSES & FACIL (NY-23-0001)	06/74	47.3	06/74	47.3	14.3	47.3				16

ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
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(DOLLARS IN MILLIONS)

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AGENCY AND PROJECT -----	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES -----
	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
DEPARTMENT OF TRANSPORTATION:											
(CONT.)											
URBAN MASS TRANSPORTATION ADMINISTRATION:											
(CONT.)											
MASS TRANSIT GRANTS:											
(CONT.)											
NEW YORK CITY TRANS AUTH - CAPITAL IMPROVEMENTS EXIST ROUTES (NY-03-0095)	03/76	404.8	03/76	404.8	81.0	457.5	52.7	13	52.7	13	
NEW YORK CITY TRANS AUTH - E 63 ST CONST (NY-03-0045)	06/73	754.0	06/73	754.0	403.6	758.6	4.6	1			
NEW YORK CITY TRANS AUTH - STATEN ISLAND FERRIES (NY-03-0017)	06/74	28.0	06/74	28.0	6.4	32.0	4.0	14			
NEW YORK METRO TRANS AUTH - EXTEND & REHAB LONG ISLAND RR (NY-03-0035) (APP. III, P. 89)	02/74	250.0	02/74	250.0	195.3	858.2	608.2	243			
NEW YORK METRO TRANS AUTH - IMPROVE COMMUTER RAIL (NY-03-0096)	06/78	46.3	06/78	46.3	56.3	70.3	22.0	32	22.0	32	
NEW YORK METRO TRANS AUTH - IMPROVE LONG ISLAND & PENN CENTRAL RR (NY-03-0085)	11/75	35.0	11/75	35.0	7.0	35.0					
NEW YORK TRANS AUTH - BUY SUBWAY CARS (NY-03-0046)	03/72	213.5	03/72	213.5	71.3	213.5					
NIAGARA FRONTIER TRANS AUTH - MAIN ST LIGHT RAIL RAPID TRANS (NY-03-0072)	09/78	449.0	09/78	449.0	89.0	449.0					

APPENDIX II

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PENN & NJ DELAWARE RIVER PORT AUTH - CONSTRUCT E&S RISWAYS (PA-03-0012)	12/77	125.8	12/77	125.8	25.2	125.8	14
PENN & NJ DELAWARE RIVER PORT AUTH - WOODCRST STA, CARS & EQUIP (IT-03-0010)	06/73	34.9	06/73	34.9	15.5	54.4	14
PENN SE TRANS AUTH - BROAD ST SUBWAY CARS (PA-23-9002)	09/78	43.4	09/78	43.4	9.5	43.4	14
PENN SE TRANS AUTH - IM- PROVE COMPUTER RAIL SYSTEM WTOE (PA-23-9001)	09/78	142.9	09/78	142.9	28.6	142.9	14
PENN SE TRANS AUTH - MOD PHASE II (PA-03-0062)	04/76	33.3	04/76	33.3	6.4	32.1	14
PENN SE TRANS AUTH - PHILA, BUSES & EQUIP (PA-03-0032)	03/72	36.5	03/72	36.5	15.3	52.1	14
PENN SE TRANS AUTH - PHILA, CENTER CITY COMMUTER CONNEC- TION & STA (PA-03-0013)	06/75	300.0	06/75	300.0	60.0	300.0	14
PENN SE TRANS AUTH - PHILA, RELOCATE PORTION FRANKFORD ELEV STRUCT (PA-03-0036)	10/72	28.9	10/72	28.9	7.7	28.8	14
PENN SE TRANS AUTH - PHILA, SPFFD LINE TO AIRPORT (PA-03-0043)	06/74	44.2	06/74	44.2	13.8	68.8	14
SAN FRANCISCO CITY & CO - ADD'L VEHICLES & SYS IM- PROVEMENTS (CA-03-0078)	06/74	50.5	06/74	50.5	10.1	50.5	14
SAN FRANCISCO CITY & CO - SURWAY, SURFACE RAIL SYS & FACILITIES (CA-03-0043)	10/71	46.0	10/71	46.0	22.6	84.4	14
SEATTLE METRO BUS PLAN IM- PLEMENTATION (WA-03-0016)	05/74	122.1	05/74	122.1	35.7	178.6	14
TWIN CITIES METRO TRANS COMM NEW BUSES, CAP IMPROVE PROG (MN-03-0005)	03/72	25.6	03/72	27.1	9.0	27.1	14
TWIN CITIES METRO TRANS COMM ST PAUL BUSES & EQUIP (MN-03-0012)	06/74	29.5	06/74	29.5	5.7	28.3	14

ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
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AGENCY AND PROJECT -----	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES -----
	DATE	AMOUNT	DATE	AMOUNT	NON- FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
DEPARTMENT OF TRANSPORTATION:											
(CONT.)											
URBAN MASS TRANSPORTATION											
ADMINISTRATION: (CONT.)											
MASS TRANSIT GRANTS: (CONT.)											
WASHINGTON METRO TRANS AUTH BUS SYSTEM (IT-03-0019)	01/73	106.2	01/73	106.2	35.9	106.2					16
SUB TOTAL		9,076.0		9,077.5	2,406.1	9,781.7	704.2			301.1-	
AGENCY TOTAL		50,573.5		50,566.7	16,294.3	142,003.7	91,437.0			17,220.5	
DISTRICT OF COLUMBIA GOVERNMENT:											
U. C. UNIVERSITY:											
FEDERAL CITY COLLEGE	1974	128.9	03/77	69.7	69.4	69.4	.3-			.3-	
WASHINGTON TECHNICAL INSTITUTE	1968	111.0	03/77	69.9	69.9	69.9					
SUB TOTAL		239.9		139.6	139.3	139.3	.3-			.3-	
MUNICIPAL OFFICE BUILDING	1977	35.0	1977	35.0	35.0	35.0					
TRUNK WATER MAINS SPECIAL PRO- JECT	1967	40.0	03/78	44.1	59.2	59.2	15.1	34		15.1	34
WASHINGTON AQUEDUCT:											
MCMILLIAN WATER TREATMENT PLANT REPLACEMENT	1972	33.5	1972	33.5	36.4	36.5	3.0	9			
WASHWATER AND BASIN SLUDGE DISPOSAL	1977	27.0	1977	27.0	27.0	27.0					
SUB TOTAL		60.5		60.5	63.4	63.5	3.0				
WASHINGTON CIVIC CENTER	06/78	109.0	09/78	98.7	98.7	98.7					
AGENCY TOTAL		484.4		377.9	395.4	395.7	17.8			14.8	

ENVIRONMENTAL PROTECTION AGENCY:

01.12

CONSTRUCTION GRANTS FOR
WASTEWATER TREATMENT WORKS:

02

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ALABAMA:

DECATUR STP	03/79	31.2	03/79	31.2	7.9	31.6	.4	1
MONTGOMERY-NEW CATOMA WWTP	12/77	28.8	12/77	28.8	7.2	28.8		

ARIZONA:

PIMA CO-INA ROAD STP	06/75	28.4	06/75	28.4	7.4	29.6	1.2	4
TUCSON STP	08/79	27.9	08/79	27.9	7.2	28.6	.7	3

ARKANSAS:

MOT SPRINGS STP	06/73	19.2	06/73	19.2	7.0	29.2	9.0	67
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CALIFORNIA:

CONTRA COSTA COUNTY (EAST) (DIST #7A REGIONAL SYSTEM)	11/78	96.1	11/78	96.1	24.2	96.9	.8	1	55.7	135
CONTRA COSTA COUNTY (WEST) (w. CONTRA COSTA WATER MGMT)	09/78	26.8	09/78	26.8	7.1	28.4	1.6	6	.6	2
FAST BAY DISCHARGERS AUTHORITY (AREAWIDE FACILITY)	06/78	146.8	06/78	146.8	36.6	144.2	2.6-	7-	5.6	4
EAST BAY MUD WTP	09/76	45.9	09/76	45.9	13.5	54.0	8.1	18		
FAIRFIELD TREATMENT & DISPOSAL FACILITIES	06/73	9.3	08/74	18.2	6.1	27.1	8.9	49		
FRESNO REGIONAL FACILITY	06/73	18.0	01/75	32.2	8.4	33.8	1.6	5		
HUMBOLDT BAY REGIONAL FACILITY	03/74	19.5	10/76	46.3	11.8	47.2	.9	2		
LOS ANGELES (TERMINAL ISLAND TREATMENT PLANT)	11/75	28.7	09/77	27.8	10.0	39.8	12.0	43		
LOS ANGELES COUNTY SANITATION DISTRICTS (JOINT WATER POLLUTION CONTROL PLANT)	06/78	149.0	12/78	149.0	72.4	130.9	18.1-	12-	17.6	16
ORANGE COUNTY SANITARY DISTRICT (PLANTS NO. 1&2)	08/78	117.8	08/79	117.8	32.0	102.3	15.5-	13-	12.9	14
OXNARD WTP	02/74	26.6	11/75	26.6	7.5	26.5	.1-		.7	3

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	DATE	AMOUNT	DATE	AMOUNT	NON- FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
ENVIRONMENTAL PROTECTION AGENCY: (CONT.)											
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)											
CALIFORNIA: (CONT.)											
SACRAMENTO SANITATION DIS- TRICT REGIONAL TREATMENT FA- CILITY	04/74	226.1	03/79	303.9	93.5	374.0	70.1	23	10.3	3	01.12
SAN FRANCISCO CITY & COUNTY (CITYWIDE FACILITIES)	09/78	489.5	07/79	489.5	229.8	413.6	75.9-	16-	252.7	157	02
SAN JOSE SUH REGIONAL STP	06/75	64.3	06/75	64.3	17.6	70.3	6.0	9			
SANTA BARBARA WATER RECLAMA- TION PLANT	04/74	29.6	09/77	30.3	7.8	31.7	1.4	5			
SANTA ROSA TREATMENT PLANT	12/77	41.8	12/77	41.8	11.2	44.8	3.0	7			
STOCKTON NORTHWEST STP (APP. III, P. 90)	04/78	16.6	04/78	16.6	8.8	35.3	18.7	113			
TAMOE SANITATION AGENCY WTF	02/73	28.4	09/78	33.9	8.2	32.9	1.0-	3-			
COLORADO:											
METROPOLITAN DENVER SEWAGE DISPOSAL DISTRICT #1	03/74	70.9	03/74	70.9	40.0	78.5	7.6	11	.4	1	
CONNECTICUT:											
BRIDGEPORT WEST-SIDE STP	08/77	56.1	08/77	56.1	18.4	60.0	3.9	7	.1-		
GROTON STP	09/77	20.2	09/77	20.2	12.5	27.1	6.9	34	1.0	4	
MATTABASSETT SEWER DISTRICT STP	09/77	21.6	09/77	21.6	13.6	28.6	7.0	32	3.7	15	

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METROPOLITAN DISTRICT COMMISSION-HARTFORD	08/77	34.9	08/77	34.9	17.2	33.4	1.5-	4-		
NEW HAVEN, EAST HAVEN, HAMDEN-FAST SHORE STP	09/77	63.1	09/77	63.1	16.8	56.9	6.2-	10-		
NEW LONDON, WATERFORD STP	03/76	43.9	07/79	43.9	11.4	42.6	1.3-	7-	1.0	2
NORWALK, WILTON STP	09/77	29.0	09/77	29.0	10.3	32.8	3.8	13	.1	
NORWICH STP	06/79	30.1	06/79	30.1	9.0	30.9	.8	3		
STRATFORD STP	03/77	33.9	09/79	33.9	12.8	37.6	3.7	11	3.0	9
WATERBURY, MIDDLEBURY, WALCOTT WATER TOWN STP	09/77	21.3	09/77	21.3	9.0	24.8	3.5	16	.9-	4-
DELAWARE:										
DOVER, SMYING, MILFORD, NEW CASTLE CO, KENT CITY (KENT COUNTY REGIONAL STP)	09/78	30.0	09/78	30.0	10.7	32.9	2.9	10	5.9	22
SUSSEX CO-SO COASTAL REGIONAL STP	06/76	15.4	06/76	15.4	6.9	26.8	11.4	74	.4-	1-
WILMINGTON, NEW CASTLE COUNTY STP	09/77	66.6	09/77	66.6	36.3	122.8	56.2	84	17.4	17
DISTRICT OF COLUMBIA:										
DC; WSSC, MD; FAIRFAX CO, VA (BLUF PLAINS)	06/78	515.7	06/78	515.7	156.5	538.6	22.9	4	24.0	5
FLORIDA:										
BROWARD CO REGIONAL STP	08/77	87.7	08/77	87.7	32.8	110.4	22.7	26	6.9	7
FT. LAUDERDALE (PORT EVERGLADES STP)	03/78	16.9	03/78	16.9	6.3	27.6	10.7	63	2.5	10
HOLLYWOOD (REGIONAL STP)	12/72	26.6	12/72	26.6	10.0	27.3	.7	3	2.6-	9-
JACKSONVILLE ARL-FAST DISTRICT STP	12/76	38.1	12/76	38.1	12.5	50.1	12.0	31	2.6	5
JACKSONVILLE BUCKMAN ST STP	06/73	64.9	06/73	64.9	50.6	72.2	7.3	11	.4	1
MIAMI DADE VA KEY STP	06/77	82.0	04/79	82.0	21.6	89.1	7.1	9	10.6	14
MIAMI-DADE NO DADE STP	09/78	154.3	09/79	154.3	40.7	163.3	9.0	6	35.6	28
MIAMI-DADE SO DADE STP	06/77	97.9	04/79	97.9	25.0	100.2	2.3	2	15.7	19

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	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
ENVIRONMENTAL PROTECTION AGENCY: (CONT.)											
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)											
FLORIDA: (CONT.)											
ORLANDO IRON BRIDGE RD STP	08/77	51.9	08/77	51.9	16.3	68.0	16.1	31	16.0	31	
PENSACOLA MAIN ST STP	09/78	55.4	09/79	55.4	15.4	41.3	5.9	11	1.5-	2-	
ST. PETERSBURG NE WTP	06/75	16.5	06/75	16.5	6.6	26.6	9.9	60	1.4	6	
ST. PETERSBURG NW WTP	10/78	22.9	10/78	22.9	9.6	38.6	15.7	69			
TAMPA (HOOKERS POINT AWT)	06/77	89.3	01/79	89.3	33.8	135.3	46.0	52	19.0	16	
WEST PALM BEACH STP	11/75	74.0	11/75	74.0	23.0	75.9	1.9	3	1.2	2	
GEORGIA:											
ATLANTA-3 RIVERS PROJECT	10/77	74.4	10/77	74.4	14.7	76.6	2.2	3	17.9	30	
ATLANTA-R M CLAYTON STP	06/73	55.0	06/73	55.0	15.1	63.1	8.1	15	12.6	25	
CLAYTON COUNTY (FLINT RIVER & R L JACKSON STP)	06/78	38.1	06/78	38.1	11.4	52.0	13.9	36	6.3	14	
DEKALB COUNTY (SNAPPINGER CREEK WTP)	09/77	32.1	09/77	32.1	10.7	43.0	10.9	34	12.6-	23-	
HAWAII:											
HONOLULU-HONOULIULI SYS	12/73	52.0	09/78	47.5	16.9	65.7	21.8-	25-			
HONOLULU-SAND ISLAND SYS	12/73	69.4	11/78	68.9	20.8	83.0	14.1	20	9.7	13	
ILLINOIS:											
AURORA SANITARY DIS STP	09/78	46.1	09/78	46.1	11.1	44.4	1.7-	4-	3.5-	7-	

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GLEN ELLYN-GLENBARD STP	05/78	45.2	05/78	45.2	10.3	41.1	4.1-	9-	4.4-	10-
MSD OF GREATER CHICAGO (JOHN FGA WATER RECLAMA- TION FACILITY)	08/75	61.8	08/75	61.8	26.8	65.3	3.5	6	34.6-	35-
MSD OF GREATER CHICAGO (O'HARE WATER RECLAMATION FACILITY)	09/77	193.2	09/77	193.2	51.3	205.2	12.0	6	.1	
MSD OF GREATER CHICAGO CALU- MET WATER RECLAMATION FACILITY	09/78	183.5	09/78	183.5	49.9	199.8	16.3	9	1.4-	1-
MSD OF GREATER CHICAGO MSW WATER RECLAMATION FACILITY	09/78	882.5	03/79	882.5	287.3	1,112.5	230.0	26	236.6	27
NORTH SHORE SANITARY DIS- TRICT (CLAVEY ROAD STP)	04/72	38.6	04/72	38.6	34.7	74.0	35.4	92	9.1-	11-
NORTH SHORE SANITARY DIS- TRICT (GURNEA STP)	04/72	13.4	04/72	13.4	13.6	24.7	11.3	84	3.0-	11-
NORTH SHORE SANITARY DIS- TRICT (WAUKEGAN STP)	04/72	22.4	04/72	22.4	19.9	39.3	16.9	75	4.9-	11-
ROCKFORD SD STP	10/77	50.3	10/77	50.3	10.0	40.0	10.3-	20-	.9-	2-
URBANA, CHAMPAIGN SD NE STP	09/77	37.4	09/77	37.4	10.1	37.1	.3-	1-	.2-	1-
INDIANA:										
BLOOMINGTON STP	09/77	27.0	09/77	27.0	5.9	23.5	3.5-	13-	.3-	1-
FORT WAYNE, LEO-CEDARVILLE RSD, MAYSVILLE RSD, STP	05/77	29.0	05/77	29.0	11.1	43.2	14.2	49		
GARY SD, INDEPENDENCE HILL CD, MERRILLVILLE CD, STP	09/77	76.5	09/77	76.5	17.3	69.4	7.1-	9-	3.6-	5-
INDIANAPOLIS-BELMONT WTF	07/78	178.8	07/78	178.8	33.3	137.3	45.5-	25-	27.1-	17-
INDIANAPOLIS-SOUTHPORT WWTF	07/78	152.4	07/78	152.4	25.3	101.2	51.2-	34-	50.0-	33-
RICHMOND SD WWTF	09/79	39.9	09/79	39.9	10.3	41.2	1.3	3		
IOWA:										
CEDAR RAPIDS	05/78	66.1	05/78	66.1	17.8	71.3	5.2	8		
DAVENPORT	12/75	40.2	12/75	40.2	11.8	47.2	7.0	17		

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	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
ENVIRONMENTAL PROTECTION AGENCY: (CONT.)											
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)											
KENTUCKY:											
CAMPBELL-KENTON COUNTIES SD#1 DRY CREEK WWTP	12/75	81.3	12/75	81.3	17.1	69.2	12.1-	15-	6.5-	9-	01.12
LOUISVILLE-JEFFERSON COUNTY MSD (MORRIS FOREMAN WTP)	06/76	52.5	06/76	52.5	31.1	70.0	17.5	33	.7-	1-	02
LOUISVILLE-JEFFERSON COUNTY MSD WEST COUNTY WWTP	01/74	101.9	09/79	80.5	16.0	64.1	16.4-	20-	12.2-	16-	
LOUISIANA:											
NEW ORLEANS-FAST BANK STP	05/75	54.7	05/75	54.7	7.7	63.8	9.1	17	20.0	46	
SHREVEPORT-LUCAS STP	01/73	41.6	09/79	41.6	12.2	48.8	7.2	17	22.7	87	
MAINE:											
PORTLAND WWTF	06/75	47.7	02/77	50.5	13.4	53.7	3.2	6	2.9	6	
MARYLAND:											
BALTIMORE (PATAPSCO)	06/78	153.3	06/78	153.3	55.5	212.2	58.9	38	9.6	5	
BALTIMORE COUNTY (BLACK RIVER ER WWTP)	09/78	99.4	09/79	99.4	41.5	129.2	29.8	30	12.7	34	
CHARLES CO MATTAWOMAN WATER POLLUTION CONTROL FACILITY	09/77	27.8	09/77	27.8	27.1	44.8	17.0	61			
HOWARD CO-SAVAGE WTP	09/78	52.7	09/79	52.7	15.5	53.1	.4	1	5.4	11	
WSSC-PISCATWAY	09/77	56.3	09/77	56.3	19.1	63.3	7.0	12	1.5	2	

WSSC-WESTERN BRANCH	09/77	33.1	09/77	33.1	8.5	33.8	.7	2	.6	2
MASSACHUSETTS:										
ATTLEBORO WWTF	08/77	31.7	08/77	31.7	8.3	31.7				
BOSTON MDC DEER ISLAND STP	06/78	112.1	06/79	112.1	33.5	114.3	2.2	2	4.3	4
BOSTON MDC NUT ISLAND STP	08/77	33.4	08/79	33.4	13.1	36.0	2.6	8	4.2	13
BROCKTON STP	06/79	56.5	06/79	56.5	16.9	56.0	.5-	1-		
CHARLES RIVER POLLUTION CONTROL DISTRICT, MEDWAY, FRANKLIN	08/77	34.6	06/79	36.6	7.8	31.0	3.6-	10-	.2	1
FALL RIVER STP	07/79	56.9	07/79	56.9	15.5	58.8	1.9	3		
GREATR LAWRENCE SANITARY DISTRICT WWTF	08/77	72.8	08/77	72.8	14.2	56.9	15.9-	22-	.2	
HAVERHILL, GROVELAND WWTF	07/77	36.4	07/77	36.4	8.0	31.8	4.6-	13-	.5-	2-
LFOMINSTER STP	06/79	26.6	06/79	26.6	7.4	26.3	.3-	1-		
LOWELL, CHELMSFORD, DRACUT, TEWKSBURY, TYNGSBOROUGH (LOWELL STP)	08/77	100.0	10/78	100.0	25.0	99.3	.7-	1-	1.9	2
NORTHHAMPTON & WILLIAMSBURG STP	03/79	30.8	03/79	30.8	8.2	31.0	.2	1		
PALMER, MONSON, BELCHERTOWN (PALMER WWTF)	08/77	26.2	08/77	26.2	6.9	27.6	1.4	5	.2	1
SOUTH ESSEX SEWERAGE DISTRICT, HIVERLY, DANVERS, PEARODY, SALEM	09/78	70.8	11/78	70.8	25.9	77.8	7.0	10	1.9	3
SPRINGFIELD, W SPRINGFIELD, AGAWAM, LUDLOW, E LONGMEADOW, LONGMEADOW STP	08/77	86.8	08/79	86.8	21.8	71.2	15.6-	18-	3.8	6
UPPER BLACKSTONE WATER POLLUTION ABATMENT DISTRICT, WORCESTER, AUBURN	09/78	45.4	06/79	45.4	10.9	40.4	5.0-	11-	.5-	1-
MICHIGAN:										
BAY CITY STP	08/77	59.2	01/78	59.2	16.5	68.6	9.4	16	.8	1
BAY CO-LYNWOOD SD#] STP	12/77	48.3	12/77	48.3	15.3	61.2	12.9	27	.9	1

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	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
	ENVIRONMENTAL PROTECTION AGENCY: (CONT.)										
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)											
MICHIGAN: (CONT.)											
CALHOUN CO-BATTLE CREEK STP	02/78	37.0	02/78	37.0	13.8	55.3	18.3	49	4.8	14	
DETROIT SERVICE AREA	04/78	674.7	06/79	674.7	224.9	641.1	33.6-	5-	44.3	15	
FLINT, GENESEE CO-METRO WWTP	01/78	104.5	01/78	104.5	31.9	127.7	23.2	22	.1		
GENESEE COUNTY MONTROSE DISTRICT #2 WWTP	08/72	43.4	08/72	43.4	21.8	48.6	5.2	12	.3	1	
GRAND RAPIDS WWTP	01/78	61.1	01/78	61.1	13.0	52.0	9.1-	15-	1.1-	2-	
JACKSON COUNTY WWTP	01/78	68.4	01/78	68.4	19.7	73.1	4.7	7	.3		
LANSING WWTP	06/73	24.0	06/73	24.0	8.2	33.0	9.0	38	.1		
LENAWEE COUNTY-ADRIAN WWTP	09/77	22.2	09/77	22.2	8.4	33.5	11.3	51			
MONROE COUNTY WWTP	06/76	35.7	06/76	35.7	7.1	28.5	7.2-	20-			
MUSKEGON CO-METRO WWTP	08/77	51.3	01/78	51.3	30.9	71.2	19.9	39	33.9	41	
PONTIAC-AUBURN STP	03/75	26.4	03/75	26.4	6.2	24.7	1.7-	6-			
PORTAGE WWTP	02/78	22.0	02/78	22.0	7.2	28.9	6.9	31			
WASHTENAW CO-ANN ARBOR WWTP	09/77	47.4	09/77	47.4	13.7	54.7	7.3	15	66.5-	55-	
WASHTENAW CO-YPSILANTI WWTP	09/77	60.2	09/77	60.2	16.8	67.2	7.0	12			
WAYNE COUNTY (WYANDOTTE)	09/77	119.7	09/77	119.7	35.5	119.7			8.4	8	

State	WTP Name	Start Date	End Date	Value 1	Value 2	Value 3	Value 4	Value 5	Value 6
MINNESOTA:	ALBERT LEA WWT	09/79	09/79	34.1	8.5	34.2	.1		
	ROCHESTER WWT	09/79	09/79	53.8	13.5	54.1	.3	1	
	TWIN CITIES AREA METRO SEW- FP BOARD, BLUE LAKE STP	09/78	09/78	32.8	13.0	30.6	2.2-	7-	.1
	TWIN CITIES AREA METRO SEW- FP BOARD, PIGSEYE LAKE STP	09/78	09/78	307.2	84.1	318.6	11.4	4	8.8-
	WESTERN LAKE SUPERIOR SANI- TARY DISTRICT WWT	09/78	09/78	100.1	26.8	107.1	7.0	7	.5
	JACKSON WTP	09/78	11/78	59.7	20.1	98.2	18.5	64	10.5
	LITTLE BLUE RIVER SEWER DIS- TRICT, INDEPENDENCE	09/77	06/79	107.6	29.3	108.2	.6	1	35.1
	METROPOLITAN ST. LOUIS SEW- ER DISTRICT (LFMAY WTP)	09/78	09/78	48.2	16.9	67.5	19.3	40	10.4
	SPRINGFIELD (SOUTHWEST TREATMENT PLANT)	12/72	12/72	25.7	10.4	41.5	15.8	41	
	ST. JOSEPH, MO	06/77	06/77	14.4	7.8	31.1	14.7	90	
NEBRASKA:	OMAHA (PAPILLION CREEK WTP)	07/74	07/74	26.3	15.6	49.1	22.8	87	
	CLARK COUNTY SANITATION DIS- TRICT, AWT	12/75	12/75	51.0	14.1	64.4	13.4	26	1.5-
NEW HAMPSHIRE:	CONCORD WWT	06/79	06/79	34.8	8.7	35.0	.2	1	
	MANCHESTER WWT	02/73	11/76	28.6	9.4	37.3	8.7	30	.2

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ENVIRONMENTAL PROTECTION AGENCY: (CONT.)											
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)											
NEW HAMPSHIRE: (CONT.)											
NEW HAMPSHIRE WATER SUPPLY & POLLUTION CONTROL COMMISSION (WINNIPESAUKEE RIVER BASIN WWTF - FRANKLIN)											
	04/75	55.0	07/77	59.7	14.5	58.1	1.6-	3-	3.6	7	01.12
NEW JERSEY:											
ATLANTIC CO SA GALLOWAY TWP MUA, COASTAL STP											
	01/78	74.3	06/79	74.3	28.2	112.9	38.6	52	5.3	5	
BERGEN CO, CARLSTADT SA, E. RUTHERFORD SA, STP											
	01/77	112.4	09/79	112.4	31.2	95.3	17.1-	15-	2.3	2	
CAPE MAY CO MUA STP											
	09/79	50.4	09/79	50.4	13.1	52.3	1.9	4			
ESSEX CO, UNION CO, ELIZABETH CITY, JOINT MEETING											
	06/77	57.6	06/77	57.6	15.6	62.3	4.7	8	.3		
GLOUCESTER CO SA STP											
	03/71	30.1	03/71	30.1	15.5	34.5	4.4	15			
HAMILTON TWP STP											
	09/79	32.8	09/79	32.8	7.4	29.7	3.1-	9-			
MIDDLESEX CO, CRANBURY TOWNSHIP SA											
	08/76	221.8	08/76	221.8	86.7	245.0	23.2	10			
NEPTUNE TWP STP											
	08/75	29.3	08/75	29.3	5.5	22.0	7.3-	25-			
OCEAN CO BRICK TWP, PT PIFASANT, BAY HEAD, NORTH- ERN STP											
	02/76	152.2	02/76	152.2	38.1	152.4	.2		.3		

OCEAN CO SA. SOUTHERN STP FACILITIES	08/77	75.2	09/79	75.2	25.5	101.9	26.7	36	3.4	1
OCEAN CO. DOVER, LACEY TWP, REACHWOOD, MANTOLKING, OCEAN GATE CENTRAL STP	09/78	214.6	09/79	214.6	56.4	201.9	12.7-	6-	10.9	4
PARSIPPANY/TROY HILLS TWP, MOUNTAIN LAKES FACILITIES	02/77	70.2	02/77	70.2	19.1	76.5	6.3	9	1.3-	2-
PASSAIC VALLEY SC, NORTH MALEDON STP	08/77	359.2	08/77	359.2	90.9	360.2	1.0		54.8-	13-
PEQUANNICK, LINCOLN PARK, FAIRFIELD, TWO BRIDGES STP	09/77	64.7	09/77	64.7	18.3	73.3	8.6	13	3.1	4
ROCKAWAY VALLEY REGIONAL SA, DENVILLE TWP, RANDOLPH TWP MUN UTIL AUTH STP	09/76	24.6	09/76	24.6	6.1	24.5	.1-			
SOUTH MONMOUTH REGIONAL SA, BRIELLE, WALL TWP, WWTTP	01/78	38.9	08/78	38.9	10.4	41.6	2.7	7	2.8	7
STONY BROCK REGIONAL SA, HOPEWELL, PENNINGTON STP	09/77	44.6	09/77	44.6	11.1	44.3	.3-	1-	.1	
TRENTON STP	09/79	38.8	09/79	38.8	9.7	38.9	.1			
NEW MEXICO:										
ALBUQUERQUE-SOUTHSIDE PLANT	10/76	49.1	09/79	49.1	26.4	52.3	3.2	7	8.1	18
NEW YORK:										
ALBANY COUNTY SD	09/77	80.7	06/79	80.7	37.0	98.7	18.0	22	1.8-	2-
AMHERST TOWN BD STP	09/77	136.0	09/77	136.0	33.2	132.9	3.1-	2-	2.5	2
RUFFALO SA, CHEFETOWAGA, ERIE CO SD STP	09/77	190.1	09/79	190.1	128.5	273.9	83.8	44	3.5	1
CHAUTAGA LAKE SD STP	09/77	40.4	09/77	40.4	11.9	47.5	7.1	18		
COLONIE STP	09/77	31.7	09/79	31.7	8.9	35.1	3.4	11	7.0	25
ERIE COUNTY, HAMBURG, SOUTHDOWNS STP	06/78	105.5	06/78	105.5	27.8	109.7	4.2	4	17.6	19
GATFS-CHILI-OGDEN SD STP (APP. III, P. 90)	10/69	10.9	10/69	10.9	12.8	28.5	17.6	161		
GLEN COVE STP	09/79	36.8	09/79	36.8	9.2	36.8				

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ENVIRONMENTAL PROTECTION AGENCY: (CONT.)											01.12
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)											02
NEW YORK: (CONT.)											
LEWISTON, PORTER STP	07/78	25.9	07/78	25.9	6.9	27.4	1.5	6	1.5	6	
NASSAU CO SD #2 STP	09/79	31.2	09/79	31.2	7.8	31.2					
NASSAU CO SD #3 STP	09/77	545.0	09/79	545.0	231.9	705.4	160.4	29	16.4	2	
NEW YORK (26TH WARD STP) (APP. III, P. 90)	12/69	31.6	12/69	31.6	29.5	65.6	34.0	108			
NEW YORK (BOWERY BAY STP)	06/70	49.3	06/70	49.3	40.1	89.1	39.8	81			
NEW YORK (HUNTS POINT STP)	05/70	43.5	05/70	43.5	30.6	67.9	24.4	56			
NEW YORK (NORTH RIVER STP)	09/77	231.4	09/77	231.4	178.7	399.6	168.2	73	.4		
NEW YORK (OAKWOOD REACH)	09/77	121.9	09/79	121.9	34.0	135.9	14.0	11	8.6	7	
NEW YORK (PORT RICHMOND STP)	06/70	135.4	06/70	135.4	74.4	165.3	29.9	22			
NEW YORK (RED HOOK)	09/77	190.6	09/79	190.6	49.2	197.0	6.4	3	40.2	26	
NEW YORK (ROCKAWAY WPCP)	03/71	38.1	03/71	38.1	21.4	47.5	9.4	25			
NEW YORK (WARDS ISLAND STP) (APP. III, P. 90)	01/70	47.8	01/70	47.8	52.3	116.3	68.5	143			
NIAGARA CO SD #1 STP	09/77	96.3	09/77	96.3	27.1	108.4	12.1	13	5.0	5	
NIAGARA FALLS CITY STP	03/73	63.2	03/73	63.2	15.8	63.2					
NORTH TONAWANDA CITY	09/77	23.7	09/77	23.7	9.3	37.2	13.5	57			
NW QUADRANT PURE WD #1	08/75	38.5	08/75	38.5	21.9	55.9	17.4	45			

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ONONDAGA CO-OAK ORCHARD STP	12/76	34.9	09/79	34.9	8.7	34.9			3.6	12
ONONDAGA COUNTY (HALDWINS-VILLE-SENECA KNOLLS STP)	06/76	30.9	06/76	30.9	7.7	30.9				
ONONDAGA-SYRACUSE METRO STP	03/78	122.4	09/79	122.4	30.7	121.6	.8-	1-	.2	
RENSELAEER COUNTY SD, NORTH GREENBUSH, SAND LAKE	09/77	72.6	04/79	72.6	15.1	60.6	12.0-	17-	1.0	2
ROCHESTER CITY, IRONDEQUOIT RAY PUNE WD STP	07/77	228.4	07/77	228.4	123.2	132.9	104.5	46	35.2	12
ROCKLAND COUNTY SD #1 STP	09/77	29.6	09/77	29.6	13.5	37.1	7.5	25	6.4	21
SARATOGA COUNTY SD #1 STP	09/77	67.9	09/79	67.9	12.5	40.0	18.0-	27-	8.0-	14-
SUFFOLK CO-SOUTHWEST SD	09/77	391.2	09/77	391.2	233.6	599.0	207.8	53	.5	
TONAWANDA TOWN STP	09/77	80.4	09/77	80.4	21.2	86.7	4.3	5	4.9	6
WESTCHESTER COUNTY (OSSING SD STP)	09/77	35.7	09/79	35.7	9.7	37.0	1.3	4	1.8	5
NORTH CAROLINA:										
CHARLOTTE-MCALPINE STP	09/77	29.4	09/77	29.4	8.1	32.5	3.1	11	3.1	11
CONCORD-ROCKY RIVER STP	12/75	37.4	12/76	37.4	12.6	37.4			1.8-	5-
ROCKY MOUNT STP	06/77	21.9	06/77	21.9	9.8	39.4	17.5	80	14.1	56
OHIO:										
BOWLING GREEN STP	09/79	25.9	09/79	25.9	6.6	26.3	.4	2		
BUTLER COUNTY (UPPER MILL CREEK REGIONAL STP)	09/77	25.2	09/77	25.2	6.4	25.6	.4	2	.4	2
CANTON STP	08/77	40.3	08/77	40.3	9.8	39.1	1.2-	3-	1.3	3
CLEVELAND REGIONAL SEWER DISTRICT-EASTERLY STP	08/77	47.1	09/79	47.1	11.9	47.4	.3	1	20.1	74
CLEVELAND REGIONAL SEWER DISTRICT-SOUTHERLY STP	05/78	326.1	09/79	326.1	82.6	325.9	.2-		27.5	9
CLEVELAND REGIONAL SEWER DISTRICT-WESTERLY STP	04/78	160.4	09/79	160.4	35.0	120.4	40.0-	25-	1.4	1
COLUMBUS-SOUTHERLY WWTP	02/77	40.4	02/77	40.4	17.3	45.2	4.8	12	.7-	2-
HAMILTON CO-LITTLE MIAMI STP	09/77	63.1	09/77	63.1	28.8	115.2	52.1	83	12.6	12

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ENVIRONMENTAL PROTECTION AGENCY: (CONT.)											
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)											
OHIO: (CONT.)											
HAMILTON CO-MILL CREEK STP	06/73	56.1	06/73	56.1	36.0	69.4	13.3	24			
MEDINA COUNTY-SD #500 STP	09/76	48.1	09/76	48.1	9.5	37.9	10.2-	21-	.5	1	
MONTGOMERY COUNTY (WESTERN REGIONAL STP)	08/75	30.0	08/75	30.0	8.8	35.4	5.4	18	1.5	4	
SUMMIT CO-FISHCREEK STP	09/77	34.8	09/77	34.8	9.1	36.6	1.8	5	1.5	4	
SUMMIT CO-SPRINGFIELD STP	12/75	39.3	12/75	39.3	10.1	40.5	1.2	3	1.2	3	
TOLEDO-RAY VIEW PARK STP	09/79	60.7	09/79	60.7	14.8	59.3	1.4-	2-			
OKLAHOMA:											
OKLAHOMA CITY N CANADIAN WTP	09/77	63.6	09/77	63.6	26.4	69.2	5.6	9	.7	1	
OREGON:											
BEFD STP	03/79	36.3	03/79	36.3	9.3	36.7	.4	1			
PORTLAND-COLUMBIA BLVD STP	09/77	73.0	08/79	73.0	26.6	73.2	.2		20.6	39	
WASHINGTON CO UNIFIED SA DHRHAM STP	04/78	36.5	04/78	36.5	10.9	39.3	2.8	8	.6	1	
WASHINGTON CO UNIFIED SA ROCK CREEK AWT	06/77	32.0	06/77	32.0	10.1	35.2	3.2	10	.1-		
PENNSYLVANIA:											
BUTLER AREA SEWER AUTHORITY	05/77	36.8	05/77	36.8	10.4	45.9	9.1	25	.4	1	

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CARLISLE BOROUGH SEWER SYSTEM AUTHORITY (CARLISLE STP)	02/77	28.0	06/77	28.0	8.6	25.3	2.7-	10-	2.9-	10-
DELAWARE CO REGIONAL WATER QUALITY CONTROL AUTH STP	09/77	55.3	09/77	55.3	25.9	66.4	11.1	20		
HARRISHURG STP	09/75	24.6	09/75	24.6	7.7	26.1	1.5	6		
PHILADELPHIA (SOUTHEAST WATER POLLUTION CONTROL PLANT)	08/78	114.1	09/79	114.1	28.5	114.1			61.0-	35-
PHILADELPHIA NORTHEAST WATER POLLUTION CONTROL PLANT	06/77	91.6	06/79	91.6	31.6	126.2	34.6	38	84.1	200
PHILADELPHIA SOUTHWEST WATER POLLUTION CONTROL PLANT	04/79	130.5	04/79	130.5	47.0	187.8	57.3	44		
PUERTO RICO:										
PRASA (AGUADILLA) (APP. III, P. 90)	04/76	8.8	04/76	8.8	7.4	29.1	20.3	231		
PRASA (ARECIBO) (APP. III, P. 90)	05/76	16.4	05/76	16.4	8.3	33.1	16.7	102		
PRASA (RAYAMON)	09/77	83.7	09/77	83.7	20.9	83.7				
PRASA (CAGUAS) (APP. III, P. 90)	06/76	13.0	06/76	13.0	6.7	26.8	13.8	106		
PRASA (CAROLINA)	09/79	73.4	09/79	73.4	18.8	75.1	1.7	2		
PRASA (MAYAGUEZ)	06/76	20.7	09/79	20.7	13.3	34.0	13.3	64	5.9	21
PRASA (SAN JUAN)	06/76	35.7	09/79	35.7	9.3	37.0	1.3	4	6.9-	16-
RHODE ISLAND:										
CRANSTON WWTP	06/77	55.6	09/79	33.7	9.6	33.7				
WOONSOCKET, N SMITHFIELD & BLACKSTONE, MA STP	09/77	38.4	09/77	38.4	9.1	32.7	5.7-	15-		
SOUTH CAROLINA:										
AIKEN CO PSA-N AUGUSTA, HORSE CREEK REGIONAL SYSTEM	06/76	31.5	06/76	31.5	8.3	39.1	7.6	24	6.1	18
COLUMBIA, W COLUMBIA, E RICHLAND CO PSD, METRO WWTP	10/77	53.4	10/77	53.4	18.9	51.1	2.3-	4-	1.5-	3-

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ENVIRONMENTAL PROTECTION AGENCY: (CONT.)											
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)											
SOUTH CAROLINA: (CONT.)											
GRAND STRAND WSA CONWAY (CENTRAL WTP)	12/75	25.4	09/77	25.4	7.1	32.3	6.9	27	5.2	19	01.12
TENNESSEE:											
CHATTANOOGA (MOCCASIN BEND WTP)	09/77	91.9	09/79	91.9	25.1	91.9			52.3	132	
KNOXVILLE (THIRD CREEK WTP)	06/74	51.9	08/78	38.6	12.6	50.3	11.7	30			
KNOXVILLE-KUWAHEE WWTP	01/76	55.7	08/78	55.7	16.1	65.1	9.4	17			
MEMPHIS-NORTH STP	06/75	69.1	09/78	69.1	32.2	70.0	.9	1	24.5	54	
MEMPHIS-SOUTH STP	06/74	51.6	09/78	51.6	22.4	49.7	1.9-	4-	8.8	27	
NASHVILLE-DAVISON COUNTY (CENTRAL STP)	06/78	80.7	06/78	80.7	23.1	83.2	2.5	3	8.5	11	
TEXAS:											
AUSTIN (WALNUT CREEK STP)	09/71	29.1	09/71	29.1	25.5	56.7	27.6	95			
DALLAS (CENTRAL PLANT)	06/75	32.8	06/75	32.8	22.4	50.3	17.5	53	.3-	1-	
DALLAS (SOUTH SIDE PLANT)	01/73	20.5	05/76	49.2	9.4	37.7	11.5-	23-			
FORT WORTH (VILLAGE CREEK)	08/77	95.1	08/77	95.1	26.6	97.5	2.4	3			
HOUSTON (69TH STREET WTP)	02/77	222.5	06/79	222.5	56.4	225.7	3.2	1	52.0	30	

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TRINITY RIVER AUTHORITY - ARLINGTON (CENTRAL STP) (APP. III, P. 90)	06/76	55.0	06/76	55.0	29.9	111.0	56.0	102		
VIRGINIA:										
ALEXANDRIA SANITATION AUTHORITY STP	06/73	72.2	07/76	72.2	25.4	101.6	29.4	41	22.2	28
ARLINGTON COUNTY STP	04/76	55.5	04/76	55.5	19.2	76.2	20.7	37	12.4	20
FAIRFAX COUNTY (LOWER POTO- MAC STP)	06/76	66.0	06/76	66.0	20.5	82.0	16.0	24	9.4	14
HAMPTON ROADS SD (ROAT HAR- BOR WTP)	04/75	32.3	09/79	32.1	9.2	34.4	2.3	7	1.4	4
HAMPTON ROADS SD ATLANTIC WTP	05/76	82.0	05/79	45.8	11.5	46.0	.2			
HOPEWELL STP	08/75	40.7	08/75	40.7	14.3	40.7				
PRINCE WILLIAM COUNTY (MOON- EY REGIONAL STP)	01/76	23.9	01/76	23.9	7.7	30.8	6.9	29	5.0-	14-
RICHMOND STP	09/78	45.7	09/78	45.7	13.4	48.7	3.0	7	.6-	1-
RIVANNA WATER & SEWER AUTHORITY AWWP	09/77	31.9	09/77	31.9	9.7	38.7	6.8	21		
ROANOKE, SALEM, ROANOKE CO, BOTETOURT CO STP	09/77	27.5	09/77	27.5	9.6	38.5	11.0	40		
UPPER OCCOQUAN SA - MANAS- SAS PARK (REGIONAL STP)	03/76	56.1	03/76	56.1	18.5	74.0	17.9	32		
WASHINGTON:										
ABERDEEN STP	04/79	28.6	04/79	28.6	8.0	28.6				
OLYMPIA STP	03/79	47.5	03/79	47.5	12.8	48.7	1.2	3		
SEATTLE WEST POINT STP	06/76	76.1	06/76	76.1	33.4	67.1	9.0-	12-	.5	1
SEATTLE, REDMONT, KENT, BELLVIEW, VAL VUE SD, KING COUNTY (RENTON STP)	09/77	38.2	09/77	38.2	18.3	38.1	.1-		.2	1
SPOKANE STP	09/75	52.9	09/79	52.9	12.9	48.2	4.7-	9-	.6	1
TACOMA-CENTRAL STP	05/79	34.3	05/79	34.3	10.3	33.1	1.2-	3-		
YAKIMA STP	09/79	24.8	09/79	24.8	6.4	25.3	.5	2		

ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1979
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES
	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
	ENVIRONMENTAL PROTECTION AGENCY: (CONT.)										
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)											
WEST VIRGINIA:											
GREENBRIER PSD#1, GREENBRIER COUNTY, CRICHTON STP (APP. III, P. 90)	05/76	12.7	05/76	12.7	7.7	25.7	13.0	102			01.12
WISCONSIN:											
APPLETON, GRAND CHUTE STP	06/76	45.2	06/76	45.2	7.7	31.0	14.2-	31-			
GREEN HAY METRO SD WWTP	03/71	41.6	03/71	41.6	31.5	70.0	28.4	68	.1		02
MILWAUKEE COUNTY METRO SD JONES ISLAND STP	09/78	55.5	09/78	55.5	29.9	91.5	36.0	65	15.7	21	
MILWAUKEE COUNTY METRO SD SOUTH SHORE STP	09/78	46.6	09/78	46.6	16.7	46.5	.1-				
SHEROYGAN STP	08/78	42.1	08/78	42.1	8.5	34.1	8.0-	19-			
SUPERIOR STP	09/76	27.8	09/76	27.8	7.1	28.5	.7	3			
SUB TOTAL		19,665.4		19,782.4	6,769.1	22,307.8	2,525.4		1,320.4		
AGENCY TOTAL		19,665.4		19,782.4	6,769.1	22,307.8	2,525.4		1,320.9		
GENERAL SERVICES ADMINISTRATION:											
ANCHORAGE - COURTHOUSE, FEDERAL BUILDING & PARKING FACILITY	07/72	71.5	01/76	71.5		71.5					

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ATLANTA-RICHARD R. RUSSELL FEDERAL BUILDING & U.S. COURTHOUSE	08/66	27.4	04/75	77.1	59.1	18.0-	23-		
BALTIMORE - SSA METHU WEST BUILDING	09/74	92.4	09/74	92.4	95.4	3.0	3	1.3-	1-
BOSTON - FEDERAL OFFICE BUILDING	04/78	75.2	04/78	75.2	75.2				
COLUMBIA, SC - STROM THURMOND FEDERAL BUILDING, U.S. COURTHOUSE & PARKING FACILITY	04/74	26.7	06/74	26.7	29.3	2.6	10	1.0	4
GLYNCO, GA - FEDERAL LAW ENFORCEMENT TRAINING CENTER	03/75	30.1	03/75	30.1	30.1			3.3	12
NEW YORK - FEDERAL BUILDING (201 VARICK) ALTERATIONS AND RE- PAIRS	05/76	25.2	07/77	25.2	25.2				
SAN JOSE - COURTHOUSE & FEDERAL OFFICE BUILDING	02/77	34.1	02/77	34.1	34.1				
SEATTLE-NATIONAL OCEANIC AND AT- MOSPHERIC ADMIN. (NOAA) WESTERN REGIONAL CENTER	03/75	64.2	02/77	83.8	83.8				
WOODLAWN, MD - SSA COMPUTER CENTER BUILDING	09/74	68.7	09/74	68.7	74.3	5.6	8	1.3	2
AGENCY TOTAL		519.5		584.8	578.0	6.8-		4.3	
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION:									08
EARTH RADIATION BUDGET SATEL- LITE SYSTEM (ERRSS)	02/78	85.0	09/78	85.0	85.0				07
GALILEO (FORMERLY JUPITER ORBI- TER/PROBE)	01/77	309.0	08/78	309.0	309.0				16
HIGH ENERGY ASTRONOMY OBSERVATORY	02/74	232.8	10/74	258.9	292.2	33.3	11	.1-	
INTERNATIONAL SOLAR POLAR MIS- SION	02/78	292.0	09/79	294.8	294.8				07
INTERNATIONAL SUN--EARTH EXPLORERS	02/74	50.7	10/75	55.7	56.9	1.2	2	.1	
INTERNATIONAL ULTRA-VIOLET EXPLORER	09/71	34.2	09/71	34.2	37.0	2.8	8	.2-	1-

ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1979
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT -----	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES -----
	DATE	AMOUNT	DATE	AMOUNT	NON- FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION: (CONT.)										
LANDSAT D	02/77	324.0	01/79	365.1		364.6	.5-		5.4-	1-	11
NATIONAL TRANSONIC FACILITY	01/76	85.0	03/77	90.0		90.0					
NIMBUS G	02/73	81.8	07/75	86.5		85.0	1.5-	2-	2.2-	3-	
PIONEER VENUS	02/74	207.1	12/74	207.1		212.7	5.6	3	3.9-	2-	
SOLAR MAXIMUM MISSION	01/76	95.8	04/77	98.3		96.7	1.6-	2-			
SPACE TELESCOPE	01/77	525.0	02/78	525.0		554.2	29.2	6	29.2	6	
SPACE TRANSPORTATION SYSTEM (SPACE SHUTTLE DDT AND E ONLY)	03/72	5,150.0	03/72	5,150.0		7,311.0	2,161.0	42			09.16
	10/72	5,150.0	03/72	5,150.0		5,430.0	280.0	5			09.16
TIROS-N	01/72	57.6	02/74	57.6		54.9	2.7-	5-	.4-	1-	
VOYAGER (FORMERLY MARINER JII- PITER-SATURN 1977)	07/72	377.5	05/74	371.2		415.1	43.9	12	1.4		
AGENCY TOTAL		7,887.5		7,988.4		10,259.1	2,270.7		18.5		
NATIONAL RAILROAD PASSENGER CORPORATION:											
BI-LEVEL COACHES	02/75	187.7	09/79	291.8		291.8			58.2	25	13
HEP CONVERSION OF STEAM PASSENGER CARS	09/79	104.8	09/79	104.8		104.8					03
LOCOMOTIVE ACQUISITIONS:											
F-40 LOCOMOTIVES	09/79	112.5	09/79	112.5		112.5					03
LIGHTWEIGHT ELECTRIC (AEM-7)	09/79	142.3	09/79	142.3		142.3					03
SUB TOTAL		254.8		254.8		254.8					

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APPENDIX II

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ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1979
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT -----	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES -----
	DATE	AMOUNT	DATE	AMOUNT	NON- FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
TENNESSEE VALLEY AUTHORITY: (CONT.)											
TELLICO DAM AND RESERVOIR (APP. III, P. 91)	01/65	42.5	01/65	42.5		119.0	76.5	190			17
WATTS BAR NUCLEAR PLANT, UNITS 1 & 2 (APP. III, P. 91)	01/70	500.0	01/70	500.0		1,475.0	975.0	195	400.0	37	
YELLOW CREEK NUCLEAR PLANT	01/75	1,900.0	01/75	1,900.0		2,975.0	1,075.0	57	825.0	38	
AGENCY TOTAL		7,546.5		8,472.5		19,704.9	11,232.4		6,147.2		
VETERANS ADMINISTRATION:											
1200 BED MEDICAL CENTER PHASE I, WINFS, IL	1964	25.0	1964	21.7		30.8	9.1	42			
760-BED MEDICAL CENTER, SAN AN- TONIO, TX	1963	15.8	1970	26.9		37.1	10.2	34	.2-	1-	
CLINICAL EXP AMBULATORY CARE RE- NOVATION, OKLAHOMA CITY, OK	1973	1.5	1977	30.0		37.7	7.7	26			
CLINICAL SUPPORT WING DENVER, CO	1979	45.0	1979	45.0		45.0					03
COMPENSATION, PENSION AND EDUCATION COMPUTER TARGET SYSTEM	07/74	50.3	07/75	81.9		81.9			.5	1	
RELOCATION MEDICAL CENTER (811 BED), SAN DIEGO, CA	1963	23.6	1968	30.0		40.2	10.2	34	1.2	3	
RELOCATION MEDICAL CENTER, AU- GUSTA, GA	1975	49.0	1975	49.0		43.2	5.8-	12-			
RELOCATION MEDICAL CENTER, CO- LUMBIA, SC	1973	26.2	1973	26.2		26.5	.3	1			
RELOCATION MEDICAL CENTER, LOMA LINDA, CA	1973	33.5	1973	33.5		64.9	31.4	94			

REPLACEMENT MEDICAL CENTER BALTIMORE, MD (APP. III, P. 91)	1971	21.3	1973	36.5		100.5	64.0	175		
REPLACEMENT MEDICAL CENTER, BAY PINES, FL (APP. III, P. 91)	1963	19.1	1973	31.4		110.0	78.6	250		
REPLACEMENT MEDICAL CENTER, BRONX, NY	1973	65.0	1973	65.0		115.2	50.2	77		
REPLACEMENT MEDICAL CENTER, CAMDEN, NJ (APP. III, P. 91)	1973	33.7	1973	33.7		75.7	41.6	123	22.3-	27-
REPLACEMENT MEDICAL CENTER, LITTLE ROCK, AR	1973	72.6	1973	72.6		144.1	71.5	98		
REPLACEMENT MEDICAL CENTER, LOS ANGELES, CA	1974	93.2	1974	93.2		87.0	6.2-	7-		
REPLACEMENT MEDICAL CENTER, MARTINSBURG, WV (APP. III, P. 91)	1970	36.5	1973	28.7		74.6	45.9	160		
REPLACEMENT MEDICAL CENTER, NORTHPORT, NY	1974	26.0	1974	26.0		25.9	.1-			
REPLACEMENT MEDICAL CENTER, PORTLAND, OR (APP. III, P. 91)	1964	15.8	1973	40.6		141.3	100.7	248		
REPLACEMENT MEDICAL CENTER, RICHMOND, VA (APP. III, P. 91)	1972	44.0	1973	48.2		116.0	67.8	141		
REPLACEMENT MEDICAL CENTER, SEATTLE, WA (APP. III, P. 91)	1973	15.7	1975	23.4		110.7	87.3	373		
AGENCY TOTAL		712.8		843.5		1,507.9	664.4		20.4-	
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY:										
HANDICAPPED FACILITIES (ELEVATORS) AT SUBWAY STATIONS	08/73	65.0	08/73	65.0	14.2	71.2	6.2	10		
WASHINGTON REGIONAL RAPID RAIL TRANSIT SYSTEM (APP. III, P. 92)	01/69	2,494.6	01/69	2,494.6	1,255.5	6,832.4	4,377.8	174	110.0	2 15
AGENCY TOTAL		2,559.6		2,559.6	1,269.7	6,903.6	4,344.0		110.0	
GRAND TOTAL		276,229.6		346,259.5	31,160.4	606,785.7	260,526.2		64,172.7	

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APPENDIX II

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NOTES

1. Yearly changes are omitted because data for these projects cannot be compared to previous years. Some of these projects were not previously reported; others are reported on a basis different than the previous year.
2. Baseline data was used when original data was not available.
3. Because only a current estimate was available, it was used as the original and baseline estimates to enable reconciliation of the total.
4. Original (planning) data was used for baseline (development) data to enable reconciliation of the total.
5. Procured by the Departments of the Air Force, Army, and Navy.
6. Procured by the Departments of the Air Force and Navy.
7. Because the development estimate has not yet been made, the current estimate is used as baseline.
8. Support costs, such as construction of facilities, are not included in the acquisition costs.
9. NASA officials state that the current estimate for the Space Transportation/Space Shuttle design, development, test, and evaluation (DDT&E) should be expressed in the 1971 dollar equivalent-- \$5,430 million. The original and baseline estimates are stated in 1971 dollar equivalents. The \$7,311 million current estimate provides for inflation through the budget year only and is expressed in dollars of the 1979 budget year. The DDT&E estimate was reviewed and a significant increase appears likely; however, NASA did not provide a FY 1980 estimate.
10. These projects show 100-percent non-Federal share; they are approved by the Congress, and cost of the project is reimbursed to the Treasury by the District of Columbia government.

11. These changes in estimated costs reflect significant increases or decreases in production quantities, cancellation of production quantities, or the addition of production quantities to the program.
12. Environmental Protection Agency projects show only the cost of facility segments in which the agency is participating. The original date shows the first grant awarded. The baseline estimate shows cumulative costs at the time of grant award or grant amendment for phased construction. The baseline date represents the most recent grant transaction. Many baseline estimates have changed since our prior report. The current estimate represents total, current eligible costs of all grants awarded for a facility. The yearly change can represent cost escalation, new grant awards during the year, or a combination of these factors.
13. A new baseline estimate has been established for these projects.
14. Department of Energy projects transferred to different subject area from prior year. Data remains comparable.
15. Washington Metropolitan Area Transit Authority estimate dated 12/78.
16. Project under review and valid current estimate was not provided. FY 1978 data used.
17. Latest approved estimate. Revised estimate in process.
18. Includes the Bushmaster Gun, reported separately prior to 1979.

ANALYSIS OF CIVIL ACQUISITIONS HAVING
100 PERCENT OR GREATER COST GROWTH
AT SEPTEMBER 30, 1979
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL AND/OR BASELINE ESTIMATE	QUANTITY	ENGI-NEERING	SUPPORT	SCHEDULE	ECONOMIC	COST CHANGE DUE TO		CURRENT ESTIMATE
							ESTI-MATING	SUMMARY	
APPALACHIAN REGIONAL COMMISSION:									
APPALACHIAN DEVELOPMENT HIGHWAY	1,150.0	1,626.9	1,903.0			3,560.0			8,239.0
DEPARTMENT OF ENERGY:									
FISSION POWER REACTOR DEVELOPMENT:									
CLINTCH RIVER BREEDER REACTOR DEMONSTRATION PLANT, OAK RIDGE, TN	699.0							1,401.0	2,500.0
POWER MARKETING, HONNEVILLE POW-ER ADMINISTRATION:									
OKANOGAN AREA SERVICE	5.8	24.9							30.7
AGENCY TOTAL	704.8	24.9						1,401.0	2,530.7
DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS:									
BEACH PROSION:									
DELAWARE COAST PROTECTION (73809)	22.6		11.9			12.6		.5	47.6
FTRE ISLAND INLET TO JONES INLET, NY (5880)	19.4		7.4			17.0		.3	44.7
SUR TOTAL	42.0		19.3			29.6		.7	41.9
FLOOD CONTROL:									
AUBREY LAKE, TX (74787)	110.0		12.0			100.5		.6	229.0
P. EVERETT JORDAN DAM AND LAKE, NC (12410)	29.5	.6	31.8		.2	40.1		6.6	110.0
BEECH FORK LAKE, WV (1280)	12.8	1.5	.2			16.3		.1	39.2

RIG WALNUT LAKE, IN (71527)	43.3	14.7	47.9	1.4	126.9
BLOOMINGTON LAKE, MD AND WV (11770)	76.7	4.9-	78.6	5.1	161.0
BURNSVILLE LAKE, WV (2270)	21.8	4.9	20.5	5	51.7
CAESAR CREEK LAKE, OH (2350)	15.9	6.4	20.5	1.2	60.1
CATHERINE CREEK LAKE, OH (21910)	19.3	1.7	23.3	.8	45.1
CAVE RUN LAKE, KY (2780)	28.4	3.0	16.5	12.2	80.9
CENTRAL AND SOUTHERN FL (2860)	323.9	202.3	374.1	47.4	900.9
CHENA HIVER LAKES, AK (72738)	109.5	.9	128.3	17.0-	225.7
CLAYTON LAKE, OK (74925)	21.8	.1	23.2	.4	50.5
COOPER LAKE AND CHANNELS, TX (3820)	13.8	.5	52.6	6.2	85.9
CORTE MADERA CREEK, CA (3990)	7.6	.4	12.5	1.5	25.7
COWANESQUE LAKE, PA (4150)	49.3	4.6	39.1	8.7-	102.5
CUCAMONGA CREEK, CA (74649)	56.7	.9	43.7	8.7	113.8
DRY CREEK LAKE, CA (4990)	51.0	28.5	105.5	23.3	230.1
EAST FORK LAKE, OH (5180)	19.0	7.0	21.6	2.9	50.4
EAST LYNN LAKE, WV (5190)	14.3	5.4	11.0	3.6	36.9
EAST ST. LOUIS AND VICINITY (634)	18.1	13.9	34.0	2.9	70.1
EL DORADO LAKE, KS (5350)	29.3	.1	41.0	9.9	86.1
EL PASO, TX (5340)	19.3	23.1	21.0	5.8	69.4
FLIZARETH, NJ (5380)	14.2	1.5	26.3	8.0	50.4
ELK CREEK LAKE, OR (5370)	27.2	4.0	61.3	4.8	97.2
EVANSVILLE, IN (5690)	14.2	8.3-	30.7	5.1	49.9
FALLS LAKE, NC (5800)	29.6	.6	67.3	6.2-	124.0

ANALYSIS OF CIVIL ACQUISITIONS HAVING
100 PERCENT OR GREATER COST GROWTH
AT SEPTEMBER 30, 1979
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT -----	ORIGINAL AND/OR BASELINE ESTIMATE -----	COST CHANGE DUE TO					CURRENT ESTIMATE -----		
		QUANTITY	ENGI- NEERING	SUPPORT	SCHEDULE	ECONOMIC		ESTI- MATING	SUNDRY
DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS: (CONT.)									
FLOOD CONTROL: (CONT.)									
FIRE ISLAND INLET TO MONTAUK PT., NY (5870)	42.5		4.4			79.3	41.9	19.5	187.6
FOUR RIVER BASINS, FL (6090)	96.3		21.4			113.3	11.0	2.1	244.1
FREPPORT & VICINITY, TX (6180)	5.5		11.2			11.8	12.9	.1	41.5
GATHRIGHT LAKE, VA (6430)	16.3		25.9		1.5	14.6	16.0	2.0	76.3
INDIAN BEND WASH (GILA RIVER BASIN), AZ (22720)	16.7	4.9	2.3			11.1	1.9	.6	37.5
LAFARGE LAKE AND CHANNEL IMPROVEMENT, WI (9240)	24.5	2.1	2.6			26.2	7.6	.5	63.5
LAKE PONTCHARTRAIN AND VICINITY, LA (9350)	98.1	4.7	81.3			264.9	8.2	3.8	461.0
LAROSE TO GOLDEN MEADOW, LA (HURRICANE CONTROL) (6680)	13.4		15.6			23.8	5.8	.3	58.9
LAVON LAKE MODIFICATION AND EAST FORK CHANNEL IMPROVEMENTS, TX (9570)	27.7	5.2	22.1			21.5	.8	.1	66.8
LITTLE BLUE RIVER CHANNEL, MO (72777)	8.1		12.5			13.6	2.9	.3	31.6
LOS ESTEROS LAKE, NM (10080)	13.2		5.9			7.5	14.1	.8	41.5
LUKFATA LAKE, OK (10290)	13.9	.1	.8			25.0		.1	39.9
MANKATO & N. MANKATO, MN (10520)	5.8	21.8	25.7			18.8	7.6	.2	79.9
MERAMEC PARK LAKE, MO (10990)	79.1	.8	20.2			77.5	10.8	1.6	190.0

MISSOURI RIVER LEVEE SYSTEM (11610)	66.4	.6	31.5		115.5	13.3	30.5-	196.8
MORGAN CITY & VIC. LA (11930)	6.1		6.7		16.5		.1-	29.2
NAPA RIVER, CA (12130)	22.0	1.9	4.6		38.3		1.7	68.5
NEW ORLEANS TO VENICE HURRICANE PROTECTION, LA (12110)	10.8	12.9	54.1		69.8	1.6		149.0
OPTIMA LAKE, OK (13370)	21.1		6.1		15.5	1.3		44.0
PAINTSVILLE LAKE, KY (13570)	22.7	.2	1.1-		24.9	3.6	.5	50.8
PATOKA LAKE, IN (13730)	22.8	.1	18.7		31.3	4.0	1.9	78.8
PORTUGUES & BUCANA RIVERS, PR (74996)	170.6		62.2		71.4	10.2-	.4	244.9
R.D. BAILEY LAKE, WV (14780)	82.6		.7		47.2	51.5	2.0	184.0
RFD RIVER LEVEES AND BANK STABILIZATION BELOW DENISON DAM, TX (15050)	10.4	27.3	.1		16.8	1.7-	1.0	53.9
SACRAMENTO RIVER BANK PROTECTION, CA (15840)	22.6	48.2	.1		41.2	1.1	1.7	114.9
SAGINAW RIVER, MI (15910)	20.3	11.0	1.0		45.9	6.7		84.9
SAN ANTONIO CHANNEL IMPROVE- MENT, TX (16100)	24.2	2.1	3.4	.6	55.1	27.9	10.2	127.5
SAN GABRIEL RIVER, TX (16160)	53.1		9.2		66.4	2.9	.6-	131.0
SANTA PAULA CREEK & CHANNEL, CA (16350)	2.5	4.1	1.9		10.4	5.4	2.2	26.5
SAYLORVILLE LAKE, IA (16510)	36.5	18.5	18.5		23.5	.6	1.2	98.8
SKIATOOK LAKE, OK (16530)	42.5	.2	14.0		34.8	3.2-	.8	89.1
SMITHVILLE LAKE, MO (16980)	39.0		4.3		31.8	12.3	1.0	88.4
STONEWALL JACKSON LAKE, WV (17580)	40.5		7.8		74.8	.7	.2	124.0
SWEETWATER RIVER, CA (74660)	14.4		2.8		14.6		.3	32.1
TALLAHALA CREEK LAKE, MS (74433)	19.2		19.7	.2	38.0		2.2	79.3

ANALYSIS OF CIVIL ACQUISITIONS HAVING
 100 PERCENT OR GREATER COST GROWTH
 AT SEPTEMBER 30, 1979
 (DOLLARS IN MILLIONS)

ORIGINAL AND/OR BASELINE ESTIMATE	QUANTITY	ENGI- NERRING	SUPPORT SCHEDULE ECONOMIC	ESTI- MATING	SUNDRY	DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS: (CONT.)	FLOOD CONTROL: (CONT.)
10.5	3	9.8	39.2	3.1	17.7	TAYLORS HAYOU, TX (18000)	41.8
31.9	.3	9.8	39.2	3.1	17.7	TAYLORSVILLE LAKE, KY (18010)	102.1
9.7	10.8-	.5-	20.5	32.0	.1	TEXAS CITY AND VICINITY, TX (18140)	51.0
72.3	14.1	1.6,	66.6	30.8	3.0	TIOGA-HAMMOND LAKES, PA (18250)	188.4
26.8	4	13.4	75.5	.1	.1	TOMIGREE RIVER AND TRIBUTARIES, MS AND AL (18310)	114.3
15.5	5.1	.3	22.4	1.7	.7	TYNONE, PA (22670)	44.1
28.9	14.6	10.4	29.2	2.2-	.4	WALNUT CREEK, CA (19190)	83.7
21.7	2.6	5.5	21.4	.8	.1	WATFLOO, IA (19530)	52.1
12.1	4.5	.2	4.7	6.2	.1-	WILLAMETTE RIVER BASIN HANK PROTECTION OR (19970)	27.6
28.8	10.1		26.2	1.0	.9-	WATSVILLE LAKE, KY (20310)	65.2
20616.1	419.0	819.5	36.3- 3.382.2	470.9	93.7	SUB TOTAL	7,745.1
285.1	102.5	373.1	448.6	41.1-	.8	MISSISSIPPI RIVER AND TRIBUTARIES: ATCHAFALAYA BASIN, LA (690)	1,189.0
17.2			17.1	1.1		LOWER RED RIVER SOUTH HANK (10220)	35.4

COST CHANGE DUE TO

CHIEF
ESTIMATE

MISSISSIPPI RIVER CACHE BASIN (2320)	27.2	10.4	10.1		83.7	.2	.6	132.2
MISSISSIPPI RIVER CHANNEL IMPROVEMENTS (15240)	942.0	547.6	7.8		276.4	10.9		2,425.1
MISSISSIPPI RIVER LEVEES (11440)	285.1	80.1	298.5		475.4	80.5-	9.7	1,068.7
MISSISSIPPI RIVER ST. FRANCIS BASIN (17320)	134.6	35.5	4.8		122.2	6.5-	1.7	291.9
MISSISSIPPI RIVER TENSAS BASIN, LA (75053)	86.5	18.4	42.6		164.5	12.5	1.0	325.5
MISSISSIPPI RIVER WEST TENNESSEE TRIBUTARIES (19730)	12.0	8.3	7.9		30.9	2.5	.5	62.1
MISSISSIPPI RIVER YAZOO BASIN (75054)	217.3	44.4	274.2		288.5	20.5	4.0	808.9
OLD RIVER CONTROL, LA (13300)	71.4	144.8	1.9		12.2	2.9	.1-	273.0
TACHE-VERMILION BASINS, LA (WATER SUPPLY) (23210)	11.8	6.1	4.7		9.8	.8	.1-	32.7
SUB TOTAL	2,090.2	1,078.1	985.2		2,549.7	76.8-	17.7	6,644.1
MULTIPURPOSE PROJECTS INCLUDING POWER:								
RONNEVILLE SECOND POWERHOUSE, OR AND WA (3580)	267.0	24.6	41.1		286.6	31.3-	13.0	601.0
CLARENCE CANNON DAM, MO (2560)	70.6	2.1	47.7		91.3	28.9	.8	241.0
DEGRAY LAKE, AR (4530)	32.5	1.9	17.7		15.8	4.7		72.2
HARRY S. TRUMAN DAM AND RESERVOIR, MO (8840)	146.2		62.7	64.4	160.4	37.4	7.9	479.0
LAUREL RIVER LAKE, KY (9550)	23.8	.4	7.2	1.2	12.3	9.8	4.4	59.1
NEW MELONES LAKE, CA (12460)	122.0	23.9	57.9		87.4	34.0	20.8	346.0
SPFIRELL BLUFF LAKE, GA (17260)	91.8		10.8		189.4		1.0	293.0
WEST POINT LAKE, GA AND AL (19710)	64.2	9.1	4.5		25.1	23.7	6.4	133.0
SUB TOTAL	818.1	62.0	248.8	65.6	868.3	107.2	54.7	2,224.7

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APPENDIX III

APPENDIX III

ANALYSIS OF CIVIL ACQUISITIONS HAVING
100 PERCENT OR GREATER COST GROWTH
AT SEPTEMBER 30, 1979
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT -----	ORIGINAL AND/OR BASELINE ESTIMATE -----	COST CHANGE DUE TO					ESTI- MATING	SUNDRY	CURRENT ESTIMATE -----
		QUANTITY	ENGI- NEERING	SUPPORT	SCHEDULE	ECONOMIC			
DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS: (CONT.)									
NAVIGATION:									
ATWW REPLACEMENT OF FEDERAL HIGHWAY BRIDGES IN NC (74967)	20.2		7.6			17.6	1.9-	.7-	43.2
ATCHAFALAYA RIVER AND BAYOUS CHENE, ROEUF AND BLACK (34011)	13.3	.1	1.6			14.2	1.2	2.1-	28.3
CORPUS CHRISTI SHIP CHANNEL, TX (74811)	22.6	6.8	2.7			20.1	10.3		62.5
MISSISSIPPI RIVER BETWEEN OHIO AND MISSOURI RIVERS (REGULATING WORKS) IL AND MO (11380)	61.9		59.1			35.4	1.6		158.0
MISSISSIPPI RIVER GULF OUTLET, LA (11410)	113.2	113.4	9.1			323.3	2.5-	.5	557.0
MISSISSIPPI RIVER, BATON ROUGE TO GULF (68)	34.0	36.1	1.4-			34.1	.2		103.0
MOBILE HARBOR (THEODORE CHAN- NEL), AL (74948)	15.2		16.5			42.3	.4	10.8	85.2
OUACHITA AND BLACK RIVERS, AR AND LA (13470)	46.9	45.9	9.5			104.3	12.1		218.7
OVERTON-RED RIVER WW-LWR 31 MILES, LA (13480)	11.1					13.6	.4	.1	25.2
RFD RIVER WATERWAY (MISSISSIPPI RIVER TO SHREVEPORT, LA, AR AND OK) (65)	417.4	23.8	202.2			559.1	6.0	.5	1,209.0

SAN FRANCISCO BAY TO STOCKTON, CA (16630)	71.0		1.7-		102.2	.7-	4.8	175.6
SMITHLAND LOCKS AND DAM, IL AND KY (16950)	110.1	.6	24.5		83.8	48.0	9.1-	257.9
TENNESSEE TENNIGREE WATERWAY, AL AND MS (18070)	361.3	1.5-	316.5		1,054.2	52.1	31.4	1,814.0
SUB TOTAL	1,298.2	225.2	646.2		2,604.2	127.2	36.6	4,737.6
AGENCY TOTAL	6,864.6	1,784.3	2,714.0	29.3	9,234.0	624.8	203.0	21,467.0
DEPARTMENT OF THE INTERIOR:								
BUREAU OF RECLAMATION:								
BRANTLEY PROJECT, NM	45.6	30.3	17.4		31.2	25.0	2.5	152.0
CENTRAL ARIZONA PROJECT:								
WATER DEVELOPMENT	735.6		21.7-		1,116.3	88.9-		1,741.3
CENTRAL VALLEY:								
AUBURN-FOLSOM SOUTH UNIT (WATER CONTROL), CA	425.0	67.4	17.5	18.4-	482.1	200.5	90.7	1,260.8
SACRAMENTO RIVER DIVISION (IRRIGATION), CA	111.4	27.5	.5	.7	122.5	75.5	.8	334.9
SAN FELIPE DIVISION, CA	92.4	8.1-	4.6		101.0	7.2	8.8	205.9
SAN LUIS UNIT (WATER CONTROL), CA	483.1	180.5		16.6	415.3		2.7-	1,092.8
COLORADO RIVER BASIN SALINITY CONTROL PROJECTS:								
PARADOX VALLEY UNIT, CO	16.0	.5			18.6	27.6	.1-	62.6
TITLE I, CONSTRUCTION	157.7	2.0	43.3		109.9	19.9-	6.9	339.9
COLUMBIA BASIN:								
IRRIGATION FACILITIES	925.4	30.1	145.1		806.7	423.9	15.3	2,346.5
DRAINAGE AND MINOR CONSTRUCTION PROJECTS:								
KLAMATH, CA AND OR	10.5	14.1			3.1	3.5	1.0	32.2
WASHOE, CA AND NV	52.0	13.4		1.0	59.6	3.8	.6-	129.2

ANALYSIS OF CIVIL ACQUISITIONS HAVING
100 PERCENT OR GREATER COST GROWTH
AT SEPTEMBER 30, 1979
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT -----	ORIGINAL AND/OR BASELINE ESTIMATE -----	COST CHANGE DUE TO						CURRENT ESTIMATE -----
		QUANTITY	ENGI- NEERING	SUPPORT	SCHEDULE	ECONOMIC	ESTI- MATING	
DEPARTMENT OF THE INTERIOR: (CONT.)								
BUREAU OF RECLAMATION: (CONT.)								
PICK-SLOAN MISSOURI RIVER BASIN PROGRAM:								
GARRISON DIVERSION UNIT, MO AND SD	207.0					558.3	19.8	785.1
SOUTH NEVADA WATER PROJ (DRAINAGE), NV	81.9	6.2-	3.8			93.1	7.6-	173.1
TUALATIN PROJ (WATER CONTROL), OR	20.9					32.1	2.8	55.8
UPPER COLORADO RIVER STORAGE PROJECT:								
CENTRAL UTAH PARTICIPATING PROJECT, RONNEVILLE UNIT, UT	420.4	73.4	13.4			519.4	18.2	1,046.8
CENTRAL UTAH PARTICIPATING PROJECT, JENSEN UNIT, UT	11.2	5.2	4.1			27.8	4.0	52.3
CENTRAL UTAH PARTICIPATING PROJECT, UPALCO UNIT	21.9					32.8	.1-	54.6
CENTRAL UTAH PROJECT, RECREATION FISH & WILDLIFE FOR HONNEVILLE	20.0	18.3	.8			47.7	4.7	94.9
CHRECANI UNIT, RECREATION FISH & WILDLIFE, CO	11.1	3.0				11.0	.7	24.7
DOLORES, CO	53.0	71.6				107.5	2.0	234.2
LYMAN, UT-WY	15.4		2.5			3.5	6.3	32.0
SUR TOTAL	3,917.5	519.0	271.3		.1-	4,699.5	664.3	10,255.6

NATIONAL PARK SERVICE:									
NATIONAL PARKS:									
GRAND CANYON, AZ	44.2	17.0	11.4	14.7	107.7				
SEQUOIA & KINGS CANYON, CA	28.2	21.1		9.0	58.3				
YELLOWSTONE, MT, WY AND ID	105.1			121.4	226.7				
YOSEMITE, CA	34.9	76.5		28.8	140.2				
NATIONAL RECREATION AREAS:									
RIGHORN CANYON, MT	24.3		3.9	30.2	58.4				
PARKWAYS:									
NATCHEZ TRACE, MS, TN AND AL	111.6			190.7	302.3				
SUR TOTAL	348.3	114.6	15.7	415.0	897.4				
AGENCY TOTAL	4,265.8	612.6	.1-	4,878.5	11,149.2				
DEPARTMENT OF TRANSPORTATION:									
FEDERAL HIGHWAY ADMINISTRATION:									
DARTEN GAP HIGHWAY	150.0		225.0		375.0				
INTERSTATE HIGHWAY SYSTEM	37,570.0	10,242.0	44,380.0	1,476.0	49,388.0	127,158.0			
SUR TOTAL	37,720.0	10,242.0	44,605.0	1,476.0	49,388.0	127,533.0			
U.S. COAST GUARD:									
MEDIUM RANGE SURVEILLANCE AIRCRAFT	83.3		34.6	131.9	188.5				
URBAN MASS TRANSPORTATION ADMINISTRATION:									
MASS TRANSIT GRANTS:									
NEW YORK METRO TRANS AUTH - EXTEND & REHAB LONG ISLAND RR (NY-03-0035)	250.0	608.2			858.2				
AGENCY TOTAL	38,053.3	10,850.2	44,639.4	1,607.9	49,388.8	128,729.7			

ANALYSIS OF CIVIL ACQUISITIONS HAVING
100 PERCENT OR GREATER COST GROWTH
AT SEPTEMBER 30, 1979
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL AND/OR BASELINE ESTIMATE	COST CHANGE DUE TO				ECONOMIC MATING	SUNDAY	CURRENT ESTIMATE
		QUANTITY	ENGINEERING	SUPPORT	SCHEDULE			
ENVIRONMENTAL PROTECTION AGENCY:								
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS:								
CALIFORNIA:								
STOCKTON NORTHWEST STP	16.6	14.7						35.3
NEW YORK:								
GATES-CHILI-OGDEN SD STP	10.9		1.0		13.6		3.0	24.5
NEW YORK (26TH WARD STP)	31.6				30.5			65.6
NEW YORK (WARDS ISLAND STP)	47.8			4.7	63.7		.1	116.7
PUERTO RICO:								
PRASA (AGUADILLA)	8.8	4.6			11.2		4.5	29.1
PRASA (ARECIBO)	16.4	.1	1.4	1.3	7.4		6.5	31.1
PRASA (CAGUAS)	13.0						13.8	26.8
TEXAS:								
TRINITY RIVER AUTHORITY - ARLINGTON (CENTRAL STP)	55.0				53.5		2.5	111.0
WEST VIRGINIA:								
GREENBRIER PSD#1, GREENBRIER COUNTY, CRICHTON STP	12.7		1.8		1.3		9.9	25.7
SUB TOTAL	212.8	23.4	4.2	6.0	181.2		40.2	471.6
AGENCY TOTAL	212.8	23.4	4.2	6.0	181.2		40.2	471.6

TENNESSEE VALLEY AUTHORITY:

BEAR CREEK WATER CONTROL SYSTEM	24.0	8.4	0.0	4.0	21.6	5.2		69.2
BELLEFONTAINE NUCLEAR PLANT, UNITS 1 & 2	650.0	69.0	106.0	220.0	790.0	215.0		2,050.0
BROWNS FERRY NUCLEAR PLANT, UNITS 1-3	392.0	61.3	59.0	66.5	243.0	76.5	11.0	909.3
DUCK RIVER PROJECT:								
COLUMBIA DAM AND RESERVOIR	50.0	2.0	20.0	5.5	54.5	14.0	7.0	153.0
HARTSVILLE NUCLEAR PLANT, UNITS 1-4	1,575.0	315.0	365.0	690.0	2,355.0	500.0		5,800.0
WACCOON MT. STORAGE PROJECT, UNITS 1-4	155.0	18.7	5.0	27.9	48.4	25.0	47.0	327.0
SEQUOYAH NUCLEAR PLANT, UNITS 1-2	336.0	75.0	220.8	189.5	509.7	130.0		1,460.0
TELlico DAM AND RESERVOIR	42.5	15.4	2.8	5.4	37.5	15.4		119.0
WATTS BAR NUCLEAR PLANT, UNITS 1 & 2	500.0	46.0	97.0	215.0	427.0	190.0		1,475.0
AGENCY TOTAL	7,724.5	610.8	881.6	1,422.8	4,486.5	1,171.1	65.0	12,362.3

VETERANS ADMINISTRATION:

REPLACEMENT MEDICAL CENTER BALTIMORE, MD	36.5	6.0	19.9		37.8	2.0	1.7-	100.5	
REPLACEMENT MEDICAL CENTER, BAY PINES, FL	31.4	13.1	41.2		24.2		.1	110.0	
REPLACEMENT MEDICAL CENTER, CAMDEN, NJ	33.7	.2		21.6	1.8-	20.2	1.4	75.3	
REPLACEMENT MEDICAL CENTER, MARTINSBURG, WV	28.7	4.3-	27.1		22.6	.5		74.6	
REPLACEMENT MEDICAL CENTER, PORTLAND, OR	40.6	45.6	29.9		34.0		8.8-	141.3	
REPLACEMENT MEDICAL CENTER, RICHMOND, VA	48.2	15.4	19.6		32.7		.1	116.0	
REPLACEMENT MEDICAL CENTER, SEATTLE, WA	23.4	12.1	28.7		40.3	6.1	.1	110.7	
AGENCY TOTAL	242.5	88.1	166.4	21.6	1.8-	211.8	8.6	8.8-	728.4

ANALYSIS OF CIVIL ACQUISITIONS HAVING
 100 PERCENT OR GREATER COST GROWTH
 AT SEPTEMBER 30, 1974
 (DOLLARS IN MILLIONS)

AGENCY AND PROJECT -----	ORIGINAL AND/OR BASELINE ESTIMATE -----	COST CHANGE DUE TO							CURRENT ESTIMATE -----
		QUANTITY	PRICING	SUPPORT	SCHEDULE	ECONOMIC	ESTIMATING	SUNDRY	
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY:									
WASHINGTON REGIONAL RAPID RAIL TRANSIT SYSTEM	2,494.6	1,095.4	432.5	44.4	1,231.0	748.5	707.6	78.4	6,832.4
GRAND TOTAL	57,712.9	16,737.6	34,964.5	125.4	2,681.2	67,776.8	5,243.5	7,265.1	192,507.0

ANNUAL COST CHANGES FOR ACTIVE WEAPON SYSTEMS
 SHOWN ON SELECTED ACQUISITION REPORTS AT SEPTEMBER 30, 1979
 (DOLLARS IN MILLIONS)

SYSTEM	ANNUAL COST CHANGES							TOTAL
	QUANTITY	ENGINEERING	SUPPORT	SCHEDULE	ECONOMIC	ESTIMATING	SUNDRY	
DEPARTMENT OF THE AIR FORCE:								
A-10 AIRCRAFT		31.7	13.7	77.2	9.9	1.6-		130.9
ADVANCED AIRBORNE COMMAND POST (E-4)	254.1-		23.1-	8.6	.2	8.6-		277.0-
AIRBORNE WARNING AND CONTROL SYSTEM (E-3A)		15.0	3.2-	18.8-	7.1	8.9-		8.8-
ALCM MISSILE	19.1-	98.6	22.8-	132.1	81.1	5.6	.2-	275.3
DEF SATELLITE COMM SYS (DSCS III-SPACE SGMT)		19.8			7.3	134.8		161.9
EF-111A AIRCRAFT		65.1-	11.3	159.6	6.4	10.0-		102.2
F-15 AIRCRAFT		55.8-	81.7	210.3	28.6	136.0-	6.6-	122.2
F-16 AIRCRAFT		.8	228.1		22.1-	207.3-	14.5	14.0
GROUND LAUNCHED CRUISE MISSILE (GLCM)	1.7-	4.6	22.8	91.9	15.8	43.0		176.4
*HARM (AGM-88)	128.7				32.8	56.5	4.2	222.2
IIR MAVERICK (AGM-65D)	59.2		17.3	1.6	18.5	17.1		113.7
POSITIONING & LOCATING STRIKE SYSTEM	598.2-	2.6-	133.1-	28.9	.8	12.8		691.4-
SIDEWINDER AIM-9L MISSILE	22.7-		8.6		2.7	15.6	1.4	5.6
SPARROW AIM-7F MISSILE	75.9-		.3-	33.9	10.4	7.3-	1.5	37.7-
TOTAL (14)	783.8-	47.0	201.0	725.3	199.5	94.3-	14.8	309.5
DEPARTMENT OF THE ARMY:								
AAH-64 (AAH HELICOPTER)		32.5	157.8	358.2	102.2	154.9		805.6
AN/TTC-39 COMMUNICATIONS SWITCH (TRI-TAC)	158.2-	5.0	7.4		4.7		13.1	128.0-

*PROGRAM ADDED SINCE SEPTEMBER 30, 1978

ANNUAL COST CHANGES FOR ACTIVE WEAPON SYSTEMS
 SHOWN ON SELECTED ACQUISITION REPORTS AT SEPTEMBER 30, 1979
 (DOLLARS IN MILLIONS)

SYSTEM	ANNUAL COST CHANGES							TOTAL
	QUANTITY	ENGINEERING	SUPPORT	SCHEDULE	ECONOMIC	ESTIMATING	SUNDRY	
DEPARTMENT OF THE ARMY: (CONT.)								
CANNON LAUNCHED GUIDED PROJECTILE (COPPERHEAD)	2.2-	7.1		127.1	19.4	4.7	3.7	159.8
CH-47 HELICOPTER MODERNIZA- TION			49.7	36.4	10.6	.9-		95.8
DIVAD GUN			4.0-	19.8	54.2	24.6-		65.4
*GENERAL SUPPORT ROCKET SYS- TEM							1,521.6-	1,521.6-
HELLFIRE MISSILE	2.7-		16.0	13.7	11.8	54.6		97.4
IFV XM2 (M1CV)	4,479.5	290.7	54.1	104.3	276.0	38.5	543.4	6,310.5
M-198 HOWITZER	10.1-		1.9-		2.1	12.0-		21.9-
PATRIOT MISSILE (SAM-0)	760.1-		71.2		71.4	15.4		802.1-
*PERSHING II MISSILE BATTERY								
ROLAND MISSILE		3.0	150.3	72.0	35.3		5.1	265.7
STANDOFF TARGET ACQUISITION SYSTEM (SOTAS)		5.6			11.3			16.9
STINGER MISSILE	23.6-		9.1-	59.0-	16.2			75.5-
TACTICAL FIRE DIRECTION SYSTEM	48.2	2.6	16.4					67.2
UH-60A (UTTAS HELICOP- TER-BLACKHAWK)			.8-	31.2	20.3	7.0-	4.9	48.6
XM-1 TANK		80.2	76.3-		224.1	311.5		379.5
TOTAL (17)	3,570.8	926.7	432.8	703.7	861.6	539.1	931.4-	6,103.3
DEPARTMENT OF THE NAVY:								
5" GUIDED PROJECTILE	3.0-	6.4		14.3	7.5		10.0	35.2

ANNUAL COST CHANGES FOR ACTIVE WEAPON SYSTEMS
 SHOWN ON SELECTED ACQUISITION REPORTS AT SEPTEMBER 30, 1979
 (DOLLARS IN MILLIONS)

SYSTEM	ANNUAL COST CHANGES							TOTAL
	QUANTITY	ENGINEERING	SUPPORT	SCHEDULE	ECONOMIC	ESTIMATING	SUNDRY	
DEPARTMENT OF THE NAVY: (CONT.)								
TOMAHAWK (SLCM) MISSILE	493.7-	43.4	146.6-	70.6	1.6			1,024.7-
TRIDENT SUR/MISSILE SYSTEM	211.3-		1.0	1,285.1	150.1	149.6	182.0	1,545.5
TOTAL (28)	9,570.6	670.7	2,644.0	1,946.4	1,192.2	886.1	879.4	17,089.4

PROGRAM COST DATA APPEARING ON SELECTED ACQUISITION REPORTS
AT SEPTEMBER 30, 1979
(DOLLARS IN MILLIONS)

AGENCY AND PROGRAM -----	PLANNING AND/OR DEVELOPMENT ESTIMATE -----	COST CHANGE DUE TO							CURRENT ESTIMATE -----
		QUANTITY	ENGI- NEERING	SUPPORT	SCHEDULE	ECONOMIC	ESTI- MATING	SUNDRY	
DEPARTMENT OF THE AIR FORCE:									
A-10 AIRCRAFT	2,489.7		336.8	55.1	913.1	898.0	90.4	28.8	4,811.9
ADVANCED AIRBORNE COMMAND POST (F-4)	484.3	315.2-	22.2	31.7-	150.5	57.8	107.5		475.4
AIRBORNE WARNING AND CONTROL SYSTEM (F-3A)	2,661.6	50.4	44.0	2.4	1,159.4	341.5	102.3-	9.8-	4,147.2
ALCM MISSILE	4,184.0	19.1-	98.4	22.8-	132.1	81.1	5.2	.2-	4,458.9
OFF SATELLITE COMM SYS (DSCS III-SPACE SGMT)	893.6		19.8			14.7	81.0-		847.1
FF-111A AIRCRAFT	631.9		19.2-	117.9	266.3	16.8	136.4	12.3	1,162.4
F-15 AIRCRAFT	7,355.2		429.8	19.9	1,457.9	3,197.6	74.9	767.7	13,303.0
F-16 AIRCRAFT	6,054.5	5,364.7	431.6	1,743.6		1,543.1	118.9-	32.2	15,050.8
GROUND LAUNCHED CRUISE MIS- SILE (GLCM)	1,527.2	1.7-	4.6	22.8	91.9	15.8	43.0		1,703.6
*HARM (AGM-88)	1,052.0	128.7				32.8	56.5		1,270.0
HIR MAVERICK (AGM-65D)	1,592.9	59.2		1.7-	177.7	86.1	56.1-		1,858.1
POSITIONING & LOCATING STRIKE SYSTEM	954.5	598.2-	2.4-	129.7-	28.9	5.9	9.6		268.4
SIDEWINDER AIM-9L MISSILE	133.7	111.1	15.0	27.3	16.6	58.0	142.1	1.9	505.7
SPARROW AIM-7F MISSILE	254.1	277.4	15.3	11.4	186.7	149.0	7.2-	3.2	889.9
TOTAL (14)	30,269.2	5,057.3	1,395.9	1,814.5	4,581.1	6,498.2	300.3	836.1	50,752.6
SYSTEM(S) DELETED SINCE SEPTEMBER 30, 1978:									
LASER MAVERICK (AGM-65C)	367.4	92.0-		22.9-	25.3	20.3	37.1		335.2
*PROGRAM ADDED SINCE SEPTEMBER 30, 1978									

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APPENDIX V

APPENDIX V

DEPARTMENT OF THE NAVY:

5" GUIDED PROJECTILE	500.5	3.0-	6.4		14.3	7.5		10.0	535.7
AFGTS(RDT&E ONLY)	427.6		107.0	19.2	52.9	23.4			630.6
CAPTOW ANTI SUBMARINE WEAPONS SYSTEM	329.2	1.0-	216.3	169.2	206.9	233.2	367.4		1,521.2
CGN-38 FREGATE	820.4	308.0	14.7	1.5-		50.6	49.1	31.6	1,272.4
CH-53E HELICOPTER	578.4	164.8-	64.2	71.0	126.5	46.1	74.2	7.0	794.6
CVN-68 CLASS AIRCRAFT CARRIER (PROCUREMENT ONLY)	2,036.2		116.7	27.0	84.0	356.4	8.2-	159.4	2,771.5
DD-963 DESTROYER	2,581.2	315.2	35.0	34.2	2.0-	622.5	105.2	661.3	4,352.6
DDG-47 (GUIDED MISSILE DESTROYER)	14,083.5		255.9	20.6		337.0	164.9		14,861.9
F-2C (HAWKEYE) AIRCRAFT	586.2	1,552.6	125.2	501.0	51.9	83.1	115.7		3,015.7
F-14 (TOMCAT) AIRCRAFT	6,166.0	2,477.2	104.3	1,484.1	1,015.5	342.3	566.0	79.1	12,190.5
F-18 AIRCRAFT	12,875.3	6,870.4	142.6	1,888.0	311.3	1,210.4	724.8		24,023.3
FFG-7 SHIP	3,244.5	2,316.6	885.5	126.2	1,585.2	2,231.9	1,682.3		12,072.2
HARM MISSILE	1,357.9	17.0-	14.0		10.8	21.0	2.6		1,389.3
HARPOON MISSILE	1,031.8	22.9	189.4	73.7	122.0	256.6	133.4		1,824.2
LAMPS MK III	3,907.6	13.8	125.7-	146.6-	95.3-	48.5	23.7-		3,578.6
LHA SHIP	1,380.3	436.9-	117.8	60.6	39.4	70.0	8.2	431.3	1,670.7
MK-48 TORPEDO	1,753.8	431.8-	9.4	76.9-	219.2	89.7	142.1		1,705.5
P-3C (ORION) AIRCRAFT	1,294.2	2,143.0	430.3	203.9	926.1	283.3	197.9	5.9	5,484.6
PHALANX CIWS	568.5	91.1	125.8	211.0	181.8	116.0	7.2		1,301.6
PHM SHIP	726.2	533.1-	.4	.6	137.5	12.0	26.9	29.4	399.9
PHOENIX MISSILE	536.4	290.4	49.9	93.8	473.6	219.8	23.4	57.5	1,784.8
SIDEWINDER AIM-9L MISSILE	99.7	49.9	26.9	57.3	35.4	25.7	51.2	.1-	346.0
SPARROW AIM-7F MISSILE	453.6	236.1	54.6	53.3	272.0	323.9	49.5	35.9	1,478.0
SSN-688 SUBMARINE	5,747.5	2,005.6	122.0	193.3	41.5	1,860.4	407.1	412.8	10,790.2

*PROGRAM ADDED SINCE SEPTEMBER 30, 1978

PROGRAM COST DATA APPEARING ON SELECTED ACQUISITION REPORTS
AT SEPTEMBER 30, 1979
(DOLLARS IN MILLIONS)

AGENCY AND PROGRAM	PLANNING AND/OR DEVELOPMENT ESTIMATE	QUANTITY	ENGI-NEERING	COST CHANGE DUE TO				ESTI-MATING	SUNDAY	CURRENT ESTIMATE
				SUPPORT	SCHEDULE	ECONOMIC				
DEPARTMENT OF THE NAVY: (CONT.)										
SHIRTAS ARRAY SENSOR	259.3		54.9	9.3	60.6	43.7	84.6	9.3	521.7	
TACTAS	601.1	8.9	115.0	98.9	37.4	96.2	43.8	7.0	984.5	
TOMAHAWK (SLCM) MISSILE	2,422.9	1,016.3	122.2	144.6	70.6	1.6	96.9		3,551.7	
TRIDENT SUB/MISSILE SYSTEM	12,431.1	4,314.2	139.5	58.6	2,509.2	3,406.8	2,159.0	527.0	25,565.4	
TOTAL (2A)	78,880.9	20,350.3	3,460.2	5,083.2	8,488.3	12,420.6	7,249.5	2,456.3	138,409.3	

SYSTEM(S) DELETED SINCE
SEPTEMBER 30, 1978:

RH GUIDED PROJECTILE

211.4

211.4

SELECTED MILITARY PROGRAMS
 QUANTITY AND PROGRAM UNIT COSTS
 (DOLLARS IN MILLIONS)

AGENCY AND PROGRAM	PLANNING AND/OR DEVELOPMENT ESTIMATE		CURRENT ESTIMATE SEPTEMBER 30, 1979		NOTES
	QUANTITY	PROGRAM UNIT COST	QUANTITY	PROGRAM UNIT COST	
DEPARTMENT OF THE AIR FORCE:					
A-10 AIRCRAFT	743	3.35	743	6.676	
ADVANCED AIRBORNE COMMAND POST (E-4)	7	69.2	4	118.85	
AIRBORNE WARNING AND CONTROL SYSTEM (E-3A)	42	63.4	34	121.979	
ALCM MISSILE	3,459	1,209	3,442	1,295	
DEF SATELLITE COMM SYS (DSCS III-SPACE SGMT)	14	63.8	14	60.5	
FF-111A AIRCRAFT	42	15.05	42	27.681	
F-15 AIRCRAFT	749	9.82	749	17.761	
F-16 AIRCRAFT	658	9.2	1,396	10.781	
GROUND LAUNCHED CRUISE MIS- SILE (GLCM)	702	2.175	701	2.43	
*HARM (AGM-88)					01
IIR MAVERICK (AGM-65D)	31,113	.051	32,555	.057	
POSITIONING & LOCATING STRIKE SYSTEM	3	318.17	1	268.4	
SIDFWINDER AIM-9L MISSILE	5,724	.023	9,963	.051	
SPARROW AIM-7F MISSILE	4,900	.052	8,495	.105	
DEPARTMENT OF THE ARMY:					
AAH-64 (AAH HELICOPTER)	545	6.89	545	9.073	
AN/TTC-39 COMMUNICATIONS SWITCH (TRI-TAC)	308	2.601	231	4.184	
*PROGRAM ADDED SINCE SEPTEMBER 30, 1978					

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APPENDIX VI

APPENDIX VI

SELECTED MILITARY PROGRAMS
QUANTITY AND PROGRAM UNIT COSTS
(DOLLARS IN MILLIONS)

AGENCY AND PROGRAM	PLANNING AND/OR DEVELOPMENT ESTIMATE		CURRENT ESTIMATE SEPTEMBER 30, 1974		NOTES
	QUANTITY	PROGRAM UNIT COST	QUANTITY	PROGRAM UNIT COST	
DEPARTMENT OF THE ARMY: (CONT.)					
CANNON LAUNCHED GUIDED PROJECTILE (COPPERHEAD)	133,058	.009	110,554	.012	
CH-47 HELICOPTER MODERNIZA- TION	364	4.293	364	5.116	
DIVAD GUN	622	5.122	622	5.353	
*GENERAL SUPPORT ROCKET SYS- TEM	143	14.873	143	14.873	
HELLFIRE MISSILE	24,841	.03	24,829	.036	
IFV XM2 (MICV)	1,205	.603	9,282	.619	02
M-109 HOWITZER	444	.184	445	.603	
PATRIOT MISSILE (SAM-D)	240	21.835	104	52.147	
*PERSHING II MISSILE BATTERY	16	94.241	14	94.241	03
ROLAND MISSILE	184	6.084	171	13.995	
STANDOFF TARGET ACQUISITION SYSTEM (SOTAS)	28	45.814	28	44.418	
STINGER MISSILE	23,202	.02	30,661	.041	
TACTICAL FIRE DIRECTION SYSTEM					01
UH-60A (UH1A) HELICOP- TER-BLACKHAWK	1,123	2.05	1,117	3.24	
XM-1 TANK	3,325	1.437	7,071	1.545	
DEPARTMENT OF THE NAVY:					
5" GUIDED PROJECTILE	34,218	.015	34,173	.016	
AEIS (ROT&E ONLY)					04

*PROGRAM ADDED SINCE SEPTEMBER 30, 1974

CAPTOR ANTI SUBMARINE WEAPONS SYSTEM	6.077	.054	5.839	.261	
CGN-3A FRIGATE	3	254.87	4	718.225	
CH-53E HELICOPTER	74	7.8	53	15.068	
CVN-68 CLASS AIRCRAFT CARRIER (PROCUREMENT ONLY)	3	678.733	3	923.833	
DD-963 DESTROYER	30	86.04	31	140.406	
DDG-47 (GUIDED MISSILE DESTROYER)	16	880.219	16	924.869	
E-2C (HAWKEYE) AIRCRAFT	30	14.54	47	31.09	
F-14 (TOMCAT) AIRCRAFT	449	13.147	521	22.692	05
F-18 AIRCRAFT	811	15.876	1,377	17.446	
FFG-7 SHIP	50	64.89	59	204.614	
HARM MISSILE	6,735	.202	6,566	.212	
HARPOON MISSILE	2,922	.353	2,242	.802	
LAMPS MK III	61	64.26	67	53.412	06
LHA SHIP	9	153.367	5	334.14	
MK-48 TORPEDO	4,194	.429	2,831	.615	07
P-3C (ORION) AIRCRAFT	104	12.444	275	19.944	
PHALANX CIWS	370	1.536	422	3.044	
PHM SHIP	30	24.21	6	66.65	
PHOENIX MISSILE	2,384	.225	3,102	.575	
SIDEWINDER AIM-9L MISSILE	3,564	.028	4,329	.08	
SPARROW AIM-7F MISSILE	10,785	.042	9,848	.15	
SSN-688 SUBMARINE	32	179.609	38	283.953	
SURTASS ARRAY SENSOR	13	19.946	13	40.131	
TACTAS	126	4.771	104	4.466	
TOMAHAWK (SLCM) MISSILE	1,163	2.083	325	4.773	

SELECTED MILITARY PROGRAMS
QUANTITY AND PROGRAM UNIT COSTS
(DOLLARS IN MILLIONS)

AGENCY AND PROGRAM	PLANNING AND/OR DEVELOPMENT ESTIMATE		CURRENT ESTIMATE SEPTEMBER 30, 1974		NOTES
	QUANTITY	PROGRAM UNIT COST	QUANTITY	PROGRAM UNIT COST	
DEPARTMENT OF THE NAVY: (CONT.)					
TRIDENT SUB/MISSILE SYSTEM	10	1,243.11	13	1,965.031	0A

NOTES

1. Classified data not presented.
2. Vehicle procurement costs only. Does not include the Bushmaster Gun or initial issue of ammunition.
3. Quantities are stated in battery equivalents.
4. Procurement requirements being studied.
5. Excludes F-14B development costs.
6. Unit costs include 210 helicopters in the development estimate and 209 helicopters in the current estimate.
7. Procurement units only.
8. Unit costs include 369 missiles in the development estimate and 444 missiles in the current estimate.

SUMMARY OF ACQUISITIONS AGED IN
10-YEAR INCREMENTS FROM ORIGINAL APPROVAL
AND ESTIMATED COSTS AT SEPTEMBER 30, 1979
(DOLLARS IN MILLIONS)

AGENCY	NO. OF PROJ.	SUMMARY COST	NO. OF PROJ.	FST. COST	NO. OF PROJ.	FST. COST	NO. OF PROJ.	FST. COST	NO. OF PROJ.	FST. COST	NO. OF PROJ.	FST. COST
				0-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90
APPALACHIAN REGIONAL COMMISSION	1	8,239.9	1	4,239.9								
ARCHITECT OF THE CAPITOL	3	299.0	2	148.3	1	130.7						
CORPORATION FOR PUBLIC BROADCASTING	1	57.7	1	57.7								
DEPARTMENT OF COMMERCE:												
MARITIME ADMINISTRATION	11	1,257.2	11	1,257.2								
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	4	401.8	4	401.8								
DEPARTMENT OF DEFENSE:												
DEFENSE LOGISTICS AGENCY	1	49.9	1	49.9								
DEPARTMENT OF THE AIR FORCE	32	77,506.1	30	48,464.2	2	9,041.9						
DEPARTMENT OF THE ARMY	56	59,266.4	49	48,544.8	7	10,701.6						
DEPARTMENT OF THE NAVY	78	187,531.4	71	169,967.7	7	17,563.7						
DEPARTMENT OF ENERGY	60	20,455.3	59	19,804.3	1	647.0						
DEPARTMENT OF HEALTH AND HUMAN RESOURCES:												
NATIONAL INSTITUTES OF HEALTH	3	206.2	3	206.2								
SOCIAL SECURITY ADMINISTRATION	1	34.3	1	34.3								
DEPARTMENT OF JUSTICE:												
FEDERAL BUREAU OF INVESTIGATION	1	55.4	1	55.4								
IMMIGRATION & NATURALIZATION SERVICE	1	66.7	1	66.7								
DEPARTMENT OF STATE	1	129.3	1	129.3								
DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS	165	29,102.0	27	7,682.0	44	12,043.4	19	4,062.7	21	2,625.2	3	1,972.7
DEPARTMENT OF THE INTERIOR:												
BUREAU OF RECLAMATION	54	14,291.7	35	6,360.4	11	4,974.7	3	400.1	1	77.8	3	2,444.0
NATIONAL PARK SERVICE	38	2,772.6	18	1,245.2	14	1,367.2	1	42.2				
DEPARTMENT OF THE TREASURY:												
INTERNAL REVENUE SERVICE	1	210.0	1	210.0								

SUMMARY OF ACQUISITIONS AGED IN
10-YEAR INCREMENTS FROM ORIGINAL APPROVAL
AND ESTIMATED COSTS AT SEPTEMBER 30, 1979
(DOLLARS IN MILLIONS)

AGENCY	NO. OF PROJ.	SUMMARY EST. COST	NO. OF PROJ.	EST. COST	NO. OF PROJ.	EST. COST	NO. OF PROJ.	EST. COST	NO. OF PROJ.	EST. COST	NO. OF PROJ.	EST. COST
				0-10		11-20		21-30		31-40		41-50
DEPARTMENT OF TRANSPORTATION:												
FEDERAL AVIATION ADMINISTRATION	13	1,105.4	11	1,105.4								
FEDERAL HIGHWAY ADMINISTRATION	2	127,533.0	1	375.0	1	127,158.0						
FEDERAL RAILROAD ADMINISTRATION	1	1,900.0	1	1,900.0								
U.S. COAST GUARD	4	1,683.2	4	1,683.2								
URBAN MASS TRANSPORTATION ADMINISTRATION	60	9,781.7	60	9,781.7								
DISTRICT OF COLUMBIA GOVERNMENT	7	395.7	6	376.5	1	59.2						
ENVIRONMENTAL PROTECTION AGENCY	267	22,307.8	267	22,307.8								
GENERAL SERVICES ADMINISTRATION	10	578.0	9	518.9	1	59.1						
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	15	10,259.1	15	10,259.1								
NATIONAL RAILROAD PASSENGER CORPORATION	4	870.5	4	870.5								
NATIONAL SCIENCE FOUNDATION	1	78.0	1	78.0								
PENNSYLVANIA AVENUE DEVELOPMENT CORPORATION	1	223.0	1	223.0								
TENNESSEE VALLEY AUTHORITY	13	19,704.9	11	19,516.9	2	188.0						
VETERANS ADMINISTRATION	20	1,507.9	15	1,148.5	5	359.4						
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY	2	6,903.6	2	6,903.6								
TOTAL	940	406,785.7	734	397,559.0	142	192,574.0	21	4,505.0	22	2,703.0	12	4,418.7
												7
												5,026.0

GAO REPORTS ON SELECTED MAJOR ACQUISITIONSISSUED DURING FISCAL YEARS 1974-79

<u>Agency and projects</u>	<u>Latest report (note a)</u>	<u>Date</u>
Appalachian Regional Commission:		
Appalachian Development Highway	PSAD-76-155	11/03/76
Architect of the Capitol:		
Hart Senate Office Building	LCD-78-233	8/14/78
Library of Congress' Madison Building	LCD-79-330	9/17/79
Department of Commerce:		
National Oceanic and Atmospheric Administration:		
AFOS Program	Letter report	8/04/76
Department of Defense:		
Defense Logistics Agency:		
Defense Integrated Data System	LCD-77-117	12/20/77
Department of the Air Force:		
Advanced Airborne Command Post	Staff study	2/75
Advanced Medium Stol Aircraft	PSAD-76-91	3/76
Advanced Strategic Air Launched Missile	PSAD-79-101	8/10/79
Airborne Warning and Control System	PSAD-78-42	11/25/77
F-15 Aircraft	PSAD-79-23	1/26/79
Cruise Missile, Nuclear Warhead	PSAD-79-4	11/07/78
F-16 Aircraft	PSAD-79-63	6/25/79
GAU-8A	PSAD-79-88	6/13/79
KC-10A-ACTA	PSAD-79-8	1/05/79
Minuteman III RVs	PSAD-79-2	10/23/78
MX-Mobile Ballistic Missile Defense	PSAD-79-61	3/13/79
MX-Land Acquisition	PSAD-79-76	4/18/79
NAVSTAR GPS	PSAD-79-16	1/17/79
Wholesale Logistics System	LCD-78-108	4/24/78

a/For security purposes, GAO no longer identifies classified reports which may have been issued recently on some of the selected major acquisitions.

<u>Agency and projects</u>	<u>Latest report (note a)</u>	<u>Date</u>
Department of the Army:		
AN/TCC-39 Communications Switch	Staff study	3/75
CH-47 Helicopter Modernization	PSAD-78-18	2/24/78
Fort Campbell Army Hospital-Construction	HRD-77-5	11/18/76
Hawk Missile	PSAD-79-82	5/25/79
Pershing II Missile	PSAD-77-51	1/24/77
Roland Missile	PSAD-79-100	8/17/79
Tactical Fire Direction System	LCD-78-116	6/02/78
UTTAS Helicopter (Blackhawk)	PSAD-77-31	2/25/77
XM-1 Tank	PSAD-79-67	4/16/79
Department of the Navy:		
AV-8B Harrier	PSAD-79-22	1/30/79
CH-53-E Helicopter	PSAD-78-27	3/23/78
DD-963 Destroyer	Staff study	2/75
E-2C (Hawkeye) Aircraft	B-163058	7/02/73
F-14 Tomcat Aircraft	PSAD-75-70	5/02/75
Subcontract Price Reviews:		
General Electric Corp.	PSAD-79-15	1/04/79
Aeronco, Inc.	PSAD-79-45	3/12/79
Western Gear Corp.	PSAD-79-47	3/19/79
B.F. Goodrich	Letter report	8/24/78
LHA Ship	Staff study	2/75
MK-48 Torpedo	LCD-76-451	5/09/77
P-3C Orion Aircraft	PSAD-75-60	4/18/75
Ship Acquisition Process	PSAD-79-79	4/19/79
Trident Facilities	LCD-78-328	6/14/78
Trident Sub/Missile System	PSAD-78-31	4/07/78
Uniformed Services University, MD	MWD-76-122	5/05/76
Department of Energy:		
Clinch River Breeder Reactor Cost of Savannah River Facility	EMD-79-89	7/10/79
DP Site PU Process Facility	PSAD-79-20	1/16/79
LASL, NM	PSAD-78-90	6/02/78
Fast Flux Test Facility	EMD-76-13	11/15/76
New Plutonium Recovery Facility, Rocky Flats	PSAD-78-90	6/02/78
Strategic Petroleum Reserve	EMD-79-49	3/22/79
Tokamak Fusion Test Reactor, Plainsboro, NJ	EMD-79-27	9/28/79
Uranium Enrichment Facilities	EMD-79-94	9/06/79

<u>Agency and projects</u>	<u>Latest report (note a)</u>	<u>Date</u>
Department of the Army, Corps of Engineers:		
Catherine Creek Lake, OR	CED-76-147	8/31/76
Clarence Cannon Dam and Reservoir, MO	PSAD-77-131	7/18/77
Cost Estimates for Water Resources Projects	PSAD-79-13	1/29/79
Falls Lake, NC	B-179826	6/10/74
Gathright Dam, VA	RED-75-287	11/14/74
Harry S Truman Dam and Reservoir, MO	Staff study	4/75
Hillsdale Lake, KS	CED-78-123	7/11/78
LaFarge Lake, WI	RED-75-351	4/22/75
Lake Pontchartrain and vicinity, LA	PSAD-76-161	8/31/76
Little Blue River Lakes Project, MO	CED-78-179	9/22/78
New Melones Lake, CA (Safety of Dams Report)	CED-77-85	6/03/77
R. D. Bailey Lake, WV	B-177092	3/08/74
Red River Waterway Project	CED-78-127	8/07/78
Spewrell Bluff Lake, GA	B-177442	6/13/74
Tocks Island, PA-NJ	RED-75-362	5/01/75
Department of the Interior:		
Bureau of Reclamation:		
Central Arizona Project: Grand Valley, CO	CED-79-11	5/04/79
Paradox Valley, CO		
Central Valley, CA	EMD-78-18	11/21/77
Colorado River Storage Pro- ject Upper Colorado Basin	CED-78-123	7/11/78
Cost Estimates for Water Resource Projects	PSAD-79-13	1/29/79
Delores Project, CO	CED-78-127	8/07/78
Fryingpan-Arkansas, CO	RED-76-49	11/17/75
Garrison Diversion Unit, ND	RED-75-277	11/25/74
Palmetto Bend Dam	PSAD-78-43	12/16/77
Southern Nevada Water Project, NV	CED-78-123	7/11/78
Teton Dam (Safety of Dams Report)	CED-77-85	6/03/77
Department of Justice:		
Federal Bureau of Investigation: Computerized Criminal Investigation Systems	GGD-79-81	9/07/79

<u>Agency and projects</u>	<u>Latest report (note a)</u>	<u>Date</u>
Department of Transportation:		
Federal Aviation Administration:		
ARSR-3, Long Range Radar System	PSAD-76-169	8/25/76
FAA's AWANS	PSAD-79-94	8/08/79
Status of FAA MLS	PSAD-78-149	10/19/78
Federal Highway Administration:		
Darien Gap Highway	PSAD-78-65	2/23/78
Interstate Highway System:	RED-76-19	9/04/75
Crosstown Expressway, Chicago, IL	CED-78-135	6/30/78
Eisenhower Memorial Tunnel, CO	PSAD-76-85	2/17/76
Interstate Highway 279, Pittsburgh, PA	RED-76-118	5/28/76
Interstate 5 and the Peripheral Canal, San Joaquin and Sacramento Counties, CA	CED-78-65	3/10/78
Federal Railroad Administration:		
AMTRAK Subsidy	RED-78-86	5/11/78
Northeast Corridor Railway Improvement Project	CED-79-38	3/29/79
U.S. Coast Guard:		
Harbor Tugboat	PSAD-79-17	1/15/79
Icebreakers-Polar Star and Polar Sea	CED-76-135	8/17/76
Medium Range Surveillance Aircraft	PSAD-77-63	1/17/77
Urban Mass Transportation Administration:		
Hinderances to Major Mass Transit Grants	CED-79-82	6/05/79
Passenger Cars for the New Haven Railroad	RED-76-15	9/17/75
Personal Rapid Transit System, Morgantown, WV	Staff study	4/75
U.S. Urban Railcar Manufacturers vs. International Market	CED-79-66	7/09/79
Warranties on Equipment	PSAD-79-87	6/07/79
Department of Treasury:		
Internal Revenue Service:		
Computerized Tax Administration	LCD-76-115	1/17/77

<u>Agency and projects</u>	<u>Latest report (note a)</u>	<u>Date</u>
District of Columbia Government:		
District of Columbia University	GGD-78-77	5/15/78
Environmental Protection Agency:		
Suffolk County, NY, Sewer Project	CED-77-44	3/22/77
	CED-77-45	3/22/77
Multibillion Dollar Construction Grant Program	CED-77-113	9/12/77
MSD of Greater Chicago	PSAD-78-94	5/24/78
Chicago's Tunnel and Reservoir	CED-79-77	5/15/79
General Services Administration:		
Russell Office Building	LCD-79-313	5/16/79
National Aeronautics and Space Administration:		
Landsat	PSAD-78-58	4/17/78
Pioneer Venus	PSAD-77-65	11/07/77
Space Telescope Project	PSAD-77-98	5/04/77
Space Transportation System	PSAD-78-57	8/04/78
Voyager (previously Mariner Jupiter/Saturn)	PSAD-77-103	5/20/77
National Science Foundation:		
Very Large Array Telescope	OPA-76-16	7/09/75
Pennsylvania Avenue Development Corporation	FOD-77-4A	7/20/77
Tennessee Valley Authority:		
Bellefonte Nuclear Plant, AL	PSAD-76-86	3/01/76
Sequoyah Nuclear Power Plant, TN	Staff study	3/75
Tellico Dam Project	EMD-77-58	10/14/77
Estimates--Nuclear Power Plants	PSAD-79-49	3/22/79
Veterans Administration:		
Compensation, Pension and Education Computer Target System	HRD-77-98	7/20/77
Loma Linda Hospital, CA	MWD-74-183	7/19/74
Replacement Hospitals--Bay Pines, FL and Richmond, VA	HRD-77-79	4/04/77
Replacement Hospital, Camden, NJ	HRD-78-51	2/06/78
Washington Metropolitan Area Transit Authority:		
Cost Estimates	PSAD-78-141	12/08/78
Issues Being Faced	CED-79-52	4/10/79
Need to Resolve Metro Funding	PSAD-77-123	6/29/77
Warranties on Equipment	PSAD-79-41	2/27/79

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