

108338

BY THE COMPTROLLER GENERAL

# Report To The Congress

OF THE UNITED STATES

8827

## Financial Status Of Major Federal Acquisitions, September 30, 1978

#  
September 30, 1978

Cost increases of \$207 billion, or 64 percent, over baseline estimates are shown in this report of 857 civil and military acquisitions currently in development, test, production, or construction phases.

Federal agencies expected the acquisitions to cost \$324 billion at their early or developmental stages; present agency estimates are \$531 billion.

For 206 projects, costs increased by \$182 billion. Of this amount, \$79 billion, or 43 percent, is attributed to inflation. The other increases are attributed to changes in

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



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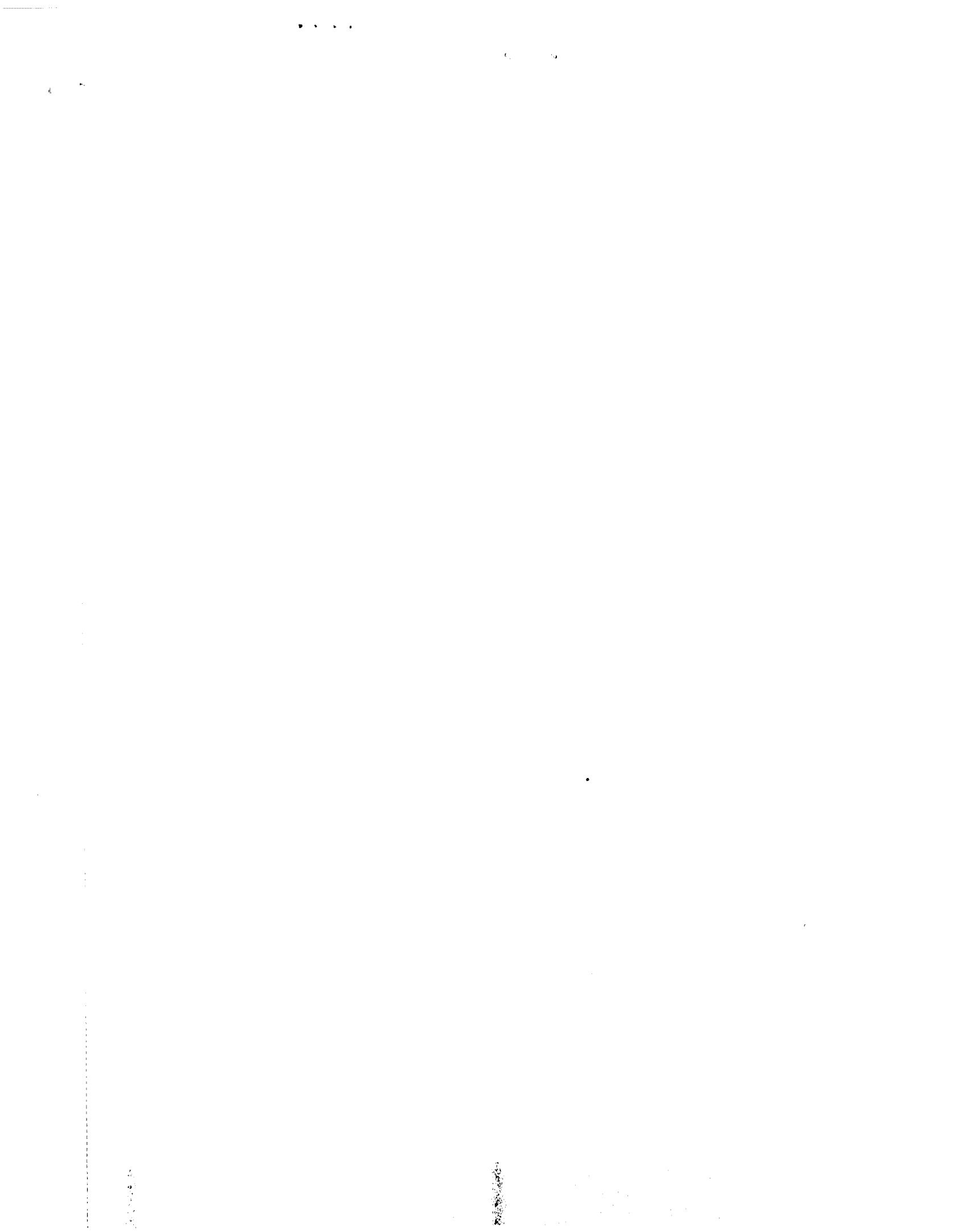


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*Report*

PSAD-79-14

JANUARY 11, 1979





COMPTROLLER GENERAL OF THE UNITED STATES  
WASHINGTON, D.C. 20548

B-182956

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 accuracy and completeness of this data have 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.

Our review was made pursuant to the Budget and Accounting Act, 1921 (31 U.S.C. 53), and the Accounting and Auditing Act of 1950 (31 U.S.C. 67).

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

Comptroller General  
of the United States

- GSA #0417 ✓
- DOT #029 ✓
- DOD #005 ✓
- D. of Army #020 ✓
- D. of Navy #000 ✓
- D. of AF #0035 ✓
- DOE #0912 ✓
- DOC - #0074 ✓
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- NASA #0036 ✓
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### ABBREVIATIONS

DDT&E	design, development, test, and evaluation
RDT&E	research, development, test, and evaluation



## FINANCIAL STATUS OF MAJOR FEDERAL ACQUISITIONS

SEPTEMBER 30, 1978

Major acquisitions are estimated to cost \$531.2 billion at completion--an increase of \$207.4 billion, or 64 percent, over initial estimates, or over baseline estimates when initial estimates were not available, outdated, or superseded by later congressional project authorizations. 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. The estimated costs of 857 major acquisitions at September 30, 1978, have increased \$49 billion over the past year to more than one-half trillion dollars. While the estimated costs of major acquisitions of the Department of the Air Force were reduced by \$6 billion last year, this decrease was more than offset by increases of \$19 billion for the Department of the Navy; \$16 billion for the Department of the Army; \$8 billion for the Federal Highway Administration; \$3 billion each for the Department of Energy, Urban Mass Transportation Administration, and the Environmental Protection Agency; and \$1 billion each for the Bureau of Reclamation, National Aeronautics and Space Administration, and the Washington Metropolitan Area Transit Authority.

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. Current cost estimates given are at September 30, 1978.

The Department of Defense defines 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 National Aeronautics and Space Administration 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.

Cost growth 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.

For one of these systems, the B-1 aircraft, a significant reduction of the current estimate and a corresponding cost decrease when compared with the baseline estimate, were reported by the Air Force. This is due to the cancellation of production quantities of the aircraft.

Civil agencies and departments provided cost growth analyses for acquisitions having increases of 100 percent or more. 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 and/or equipment.
- (4) Schedule--changes in delivery schedule adjustments, 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.



Analyses of 146 civil acquisitions having 100-percent or greater cost growth are shown in appendix III, and are summarized in the following chart. Economic changes, primarily inflation, account for 50 percent of the total cost growth and are the principal causes of increased project costs.

Type of change	Appalachian Regional Commission	Army Corps of Engineers	Department of Interior	Department of Transportation	Tennessee Valley Authority	Other Civil Agencies	Total changes
(billions)							
Quantity	\$1.2	\$ 1.6	\$0.5	\$ 9.3	\$0.4	\$1.3	\$ 14.3
Engineering	1.9	2.5	0.3	24.4	0.6	1.0	30.7
Support	-	-	0.1	0.1	-	-	0.2
Schedule	-	0.1	-	-	0.8	1.2	2.1
Economic	3.6	8.1	3.7	38.1	2.4	1.6	57.5
Estimating	-	0.4	0.8	1.4	0.6	1.0	4.2
Sundry	-	0.2	0.2	4.2	0.1	0.6	5.3
<b>Total</b>	<b>\$6.7</b>	<b>\$12.9</b>	<b>\$5.6</b>	<b>\$77.5</b>	<b>\$4.9</b>	<b>\$6.7</b>	<b>\$114.3</b>
Number having 100-percent or more increase	1	93	21	4	9	18	146
Total civil projects	1	161	80	81	13	370	706

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 disclose current cost, schedule, and performance information. Appendix IV shows details on the cost changes during the year ended September 30, 1978. Appendix V shows the cost growth data on the September 30, 1978, selected acquisition reports, which is summarized in the following table. Economic changes, primarily inflation, account for 32 percent of the total cost growth and are the principal causes of increased cost. Appendix VI shows the planning and/or development estimates, and the current estimates at September 30, 1978, for program quantities and unit costs. Cancellation of B-1 production quantities significantly affected the totals shown for the Air Force and Defense.

Type of change	Air Force	Army	Navy	Defense total
(billions)				
Quantity	\$-5.4	\$ 3.5	\$10.8	\$ 8.9
Engineering	2.8	-0.3	2.9	5.4
Support	1.0	0.3	2.6	3.9
Schedule	6.6	1.0	7.0	14.6
Economic	5.6	4.6	11.2	21.4
Estimating	2.0	2.4	6.4	10.8
Sundry	<u>1.0</u>	<u>0.2</u>	<u>1.6</u>	<u>2.8</u>
Total	<u>\$13.6</u>	<u>\$11.7</u>	<u>\$42.5</u>	<u>\$67.8</u>
Number on se- lected acqui- sition reports	15	16	29	60
Total military systems	27	51	73	151

Appendix VII lists our staff studies and reports on selected individual major acquisitions issued during fiscal years 1974-78. If more than one study or report was issued on a major acquisition, only the latest study or report is shown.

This report does not compare cost increases 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.

FINANCIAL STATUS OF MAJOR ACQUISITIONS  
SUMMARY BY AGENCY  
AT SEPTEMBER 30, 1978  
(DOLLARS IN MILLIONS)

AGENCY -----	REFERENCE PAGE OF APP. II	NUMBER OF PROJECTS	ORIGINAL ESTIMATE	HASLINF ESTIMATE	CURRENT ESTIMATE	INCREASE OVER BASELINE ESTIMATE
APPALACHIAN REGIONAL COMMISSION	6	1	1,150.0	1,150.0	7,858.0	6,708.0
ARCHITECT OF THE CAPITOL	6	3	153.5	190.7	283.9	93.2
DEPARTMENT OF COMMERCE: MARITIME ADMINISTRATION	6	4	411.9	411.9	411.9	
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	7	5	337.5	339.1	391.2	52.1
DEPARTMENT OF DEFENSE: DEPARTMENT OF THE AIR FORCE	7	27	39,661.5	54,906.0	66,812.6	11,906.6
DEPARTMENT OF THE ARMY	9	51	25,347.7	37,384.2	53,093.2	15,709.0
DEPARTMENT OF THE NAVY	13	73	82,383.2	103,799.5	159,267.5	55,468.0
DEPARTMENT OF ENERGY	18	54	8,804.0	14,712.4	16,633.7	1,921.7
DEPARTMENT OF HEALTH, EDUCATION AND WELFARE: NATIONAL INSTITUTES OF HEALTH	23	3	129.2	203.7	201.9	1.8-
DEPARTMENT OF JUSTICE: FEDERAL BUREAU OF INVESTIGATION	24	1	55.4	55.4	55.4	
DEPARTMENT OF STATE	24	1	100.0	100.0	100.0	
DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS	24	161	7,794.2	11,985.1	27,530.7	15,545.6
DEPARTMENT OF THE INTERIOR: BUREAU OF RECLAMATION	36	50	6,738.8	7,122.3	13,803.7	6,681.4
NATIONAL PARK SERVICE	40	30	1,430.7	1,634.7	2,001.4	367.1
DEPARTMENT OF THE TREASURY: INTERNAL REVENUE SERVICE	42	1	210.0	210.0	210.0	
DEPARTMENT OF TRANSPORTATION: FEDERAL AVIATION ADMINISTRATION	43	9	755.4	787.1	804.6	17.5
FEDERAL HIGHWAY ADMINISTRATION	43	3	37,750.5	37,750.5	114,359.2	76,608.7
FEDERAL RAILROAD ADMINISTRATION	44	1	1,900.0	1,900.0	1,900.0	
U.S. COAST GUARD	44	8	848.8	848.8	1,420.9	572.1
URBAN MASS TRANSPORTATION ADMINISTRATION	45	60	9,077.1	9,078.6	10,060.6	982.0
DISTRICT OF COLUMBIA GOVERNMENT	51	7	484.4	377.9	380.9	3.0
ENVIRONMENTAL PROTECTION AGENCY	52	227	17,071.0	17,219.0	19,233.0	2,014.0
GENERAL SERVICES ADMINISTRATION	71	15	662.5	821.2	851.8	30.6
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	72	17	7,986.4	8,104.7	10,379.5	2,274.8
NATIONAL RAILROAD PASSENGER CORPORATION	73	9	929.0	929.0	1,050.2	121.2
NATIONAL SCIENCE FOUNDATION	73	1	76.0	76.0	78.2	2.2
PENNSYLVANIA AVENUE DEVELOPMENT CORPORATION	73	1	223.0	223.0	223.0	
TENNESSEE VALLEY AUTHORITY	74	13	7,586.5	8,152.5	13,557.7	5,405.2
VETERANS ADMINISTRATION	75	19	667.8	798.5	1,483.7	685.2
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY	76	2	2,559.6	2,559.6	6,793.6	4,234.0
TOTAL		857	263,287.6	323,831.0	531,232.0	207,401.0

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT SEPTEMBER 30, 1978  
(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. 79)	1965	1,150.0	1965	1,150.0	2,705.0	7,858.0	6,708.0	583			
ARCHITECT OF THE CAPITOL:											
HART SENATE OFFICE BUILDING	10/72	47.9	12/74	85.1		122.6	37.5	44	37.5	44	
LIBRARY OF CONGRESS, JAMES MADISON BUILDING	10/65	75.0	03/68	75.0		130.7	55.7	74	7.7	6	
MODIFICATIONS AND ENLARGEMENT, CAPITOL POWER PLANT	07/73	30.6	07/73	30.6		30.6					
AGENCY TOTAL		153.5		190.7		283.9	93.2		45.2		
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					
FARRELL LINES CONTAINER SHIPS (MA/MSR-368)	06/76	156.7	06/76	156.7	78.9	156.7					
WATERMAN STEAMSHIP CORPORATION COMBINATION LASH/CONTAINER CARGO VESSELS (MA/MSR-409)	11/77	140.1	11/77	140.1	73.8	140.1					01
SUB TOTAL		411.9		411.9	210.8	411.9					

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION:										
AUTOMATION OF FIELD OPERATIONS AND SERVICES	06/73	43.8	09/74	45.4	45.7	.3	1	.8-	2-	
GEOSTATIONARY OPERATIONAL ENVIRONMENTAL SATELLITE - D, E AND F	09/74	62.5	09/74	62.5	81.4	18.9	30	.8	1	02
IMPROVED TIROS OPERATIONAL SATELLITE - H, I AND J	09/73	32.4	09/73	32.4	28.8	3.6-	11-	3.6	14	02
NOAA A THROUGH G (TIROS - N)	09/74	133.8	09/74	133.8	151.8	18.0	13	6.5	4	02
SAND POINT FACILITY	07/75	65.0	07/75	65.0	83.5	18.5	28			02
SUB TOTAL		337.5		339.1	391.2	52.1		10.1		
AGENCY TOTAL		749.4		751.0	210.8	803.1	52.1	10.1		
DEPARTMENT OF DEFENSE:										
DEPARTMENT OF THE AIR FORCE:										
CONSTRUCTION:										
ARNOLD ENG DEV CENTER, TN, AERO PROPELLSION SYSTEMS TEST FACILITY (ASTF)	01/76	437.0	09/76	437.0	437.0					
KEESLER AFB, MS, COMPOSITE MEDICAL FACILITY	10/74	43.1	10/75	43.1	43.1			7.4	21	
LACKLAND AFB, TX, COMPOSITE MEDICAL FACILITY	10/74	97.6	10/75	97.6	90.2	7.4-	8-	4.5-	5-	
WRIGHT-PATTERSON AFB, OH, AIR POLLUTION ABATEMENT	09/75	32.8	09/76	32.8	36.9	4.1	13	4.1	13	
SYSTEMS:										
A-10 AIRCRAFT (APP. V, P. 95)	04/70	1,025.5	01/73	2,489.7	4,681.0	2,191.3	88	139.3	3	
ADVANCED AIRBORNE COMMAND POST (E-4) (APP. V, P. 95)	01/73	467.8	09/73	484.3	752.4	268.1	55	38.1	5	
ADVANCED TANKER/CARGO AIRCRAFT	11/75	2,901.2	09/77	5,865.5	969.2	4,896.3-	83-	4,896.3-	83-	17

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APPENDIX II

APPENDIX II

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT SEPTEMBER 30, 1978  
(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.)											
AIRBORNE WARNING AND CONTROL SYSTEM (E-3A) (APP. V. P. 95)	11/68	2,656.7	06/71	2,661.6		4,156.0	1,494.4	56	639.0	18	
ALCM MISSILE (APP. V. P. 95)	03/75	420.1	01/78	4,184.0		4,183.6	.4-		16.9		13
B-1 AIRCRAFT (APP. V. P. 95)	03/69	8,954.5	06/70	11,218.8		4,674.4	6,544.4-	58-	232.7-	5-	11
DEF SATELLITE COMM SYS (DSCS III-SPACE SGMT) (APP. V. P. 95)	11/76	893.6	11/76	893.6		685.2	208.4-	23-	208.4-	23-	
EF-111A AIRCRAFT (APP. V. P. 95)	05/75	631.9	05/75	631.9		1,060.4	428.5	68	326.6	45	02
F-15 AIRCRAFT (APP. V. P. 95)	03/69	6,039.1	01/70	7,355.2		13,180.8	5,825.6	79	152.0	1	
F-16 AIRCRAFT (APP. V. P. 95)	01/76	6,054.5	01/76	6,054.5		15,036.8	8,982.3	148	1,203.5	9	02
GROUND LAUNCHED CRUISE MIS- SILE (GLCM) (APP. V. P. 95)	01/78	1,527.2	01/78	1,527.2		1,527.2					01
HARM (AGM-88)	07/78	1,051.9	07/78	1,051.9		1,047.8	4.1-				01
IIR MAVERICK (AGM-65D) (APP. V. P. 95)	09/76	1,592.9	09/76	1,592.9		1,744.4	151.5	10	174.9	11	
JTIDS	09/77	225.8	04/78	476.3		476.3			250.5	111	06,11,13

LASER MAVERICK (AGM-65C) (APP. V. P. 95)	04/75	367.4	04/75	367.4	335.2	32.2-	9-	33.1	11	
LOW ALTITUDE AIRFIELD ATTACK SYSTEM	09/77	85.8	01/78	661.3	661.3			575.5	671	11.13
MINUTEMAN III MISSILE	1966	2,695.5	03/68	4,673.8	7,678.7	3,004.9	64	64.4	1	
NAVSTAR GLOBAL POSITIONING SYSTEM (RDT & F ONLY)	12/73	131.9	12/73	131.9	296.6	164.7	125	50.8	21	05.13
POSITIONING & LOCATING STRIKE SYSTEM (APP. V. P. 95)	06/75	550.9	09/77	954.5	959.8	5.3	1	556.9	138	13
SIDEWINDER AIM-9L MISSILE (APP. V. P. 95)	06/71	133.7	06/71	133.7	500.1	366.4	274	27.2	6	02.06
SLAP	07/73	79.9	07/73	79.9	119.1	39.2	49	49.2	70	
SPARROW AIM-7F MISSILE (APP. V. P. 95)	01/67	11.7	03/69	254.1	927.6	673.5	265	53.5	6	06
TR-1	09/77	551.5	09/77	551.5	551.5					01
<b>SUB TOTAL</b>		<b>39,661.5</b>		<b>54,906.0</b>	<b>66,812.6</b>	<b>11,906.6</b>		<b>979.0-</b>		

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## DEPARTMENT OF THE ARMY:

## CONSTRUCTION:

FORT RENNING, 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	35.1	3.6	11			
FORT CAMPBELL, KY, HOSPITAL (PN236)	02/76	58.2	02/76	58.2	42.7	15.5-	27-	1.5-	3-	
FORT HOOD, TX, ADD'N, DAR- NALL ARMY HOSPITAL (PN 324)	02/78	47.7	02/78	47.7	47.7					01
FORT KNOX, KY, HOSPITAL ADDITION/ALTERATION (PN228)	10/74	42.3	10/74	42.3	34.8	7.5-	18-			
FORT LEONARD WOOD, MO, EM BARRACKS COMPLEX (PN151)	11/72	32.2	02/75	41.3	45.2	3.9	9	.4	1	
FORT POLK, LA, EM BARRACKS COMPLEX (PN112)	02/76	33.8	02/76	33.8	29.6	4.2-	12-	.8-	3-	

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT SEPTEMBER 30, 1978  
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE DATE	AMOUNT	DATE	BASELINE ESTIMATE AMOUNT	CURRENT ESTIMATE		TOTAL AMOUNT	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGE AMOUNT	NOTES
					NON- FEDERAL SHARE	FEDERAL SHARE		AMOUNT	%		
DEPARTMENT OF DEFENSE: (CONT.)											
DEPARTMENT OF THE ARMY: (CONT.)											
CONSTRUCTION: (CONT.)											
FORT POLK, LA, EM BARRACKS COMPLX (PN124)	07/74	38.1	07/74	38.1			31.3	6.8-	18-	.3-	1-
FORT POLK, LA, HOSPITAL (PN 108)	02/77	44.3	02/77	44.3			43.9	.4-	1-	31.9-	42-
FORT STEWART, GA, EM BARRACKS COMPLEX (PN98)	02/72	28.6	02/72	28.6			28.1	.5-	2-	.8	3
FORT STEWART, GA, EM BARRACKS COMPLEX (PN118)	10/74	34.6	11/75	33.3			25.2	8.1-	24-	.3	1
FORT STEWART, GA, HOSPITAL (PN61)	02/78	39.3	02/78	39.3			39.3				01
FORT STEWART/HUNTER AAF, GA, EM BARRACKS COMPLEX (PN128)	02/76	32.9	02/76	32.9			26.6	6.3-	19-	.4	2
GERMANY, AMMO STORAGE (PN311)	02/77	75.8	02/77	75.8			75.8				
GERMANY, HOSP ADDN/ALTER, LANDSTUHL (PN 188)	02/78	30.3	02/78	30.3			30.3				01
GERMANY, IMPROVE AMMO STOR- AGE (PN317-100)	02/76	38.6	02/76	38.6			38.6				
GERMANY, MODIFICATION OF STORAGE SITES (PN186)	10/74	34.0	10/74	34.0			36.6	2.6	8	2.6	8
GERMANY, POMCUS STORAGE & MAINT FAC (PN542)	02/78	56.9	02/78	56.9			56.9				01



GERMANY, TOT FORCE, AMMO STORAGE (PN 310)	02/78	33.0	02/78	33.0	33.0						01
HIGH ENERGY LASER SYSTEM TEST FACILITY, WHITE SANDS, NM	02/77	33.4	02/77	33.4	43.0	9.6	29				01
HOLSTON AAP, TN, IND WASTE TRT, PH2-WPC (PN27)	02/78	29.0	02/78	29.0	29.0						01
WALTER REED ARMY MEDICAL CENTER, DC, HOSPITAL (PN87)	02/71	112.5	10/75	134.7	145.0	10.3	8	10.3	8		
SYSTEMS:											
ADVANCED SCOUT HELICOPTER (RDT&E ONLY)	09/78	458.5	09/78	458.5	458.5						01
AN/TPQ-37 ARTILLERY LOCATING RADAR SET	08/74	226.4	10/76	438.1	395.7	42.4-	10-	72.3	22		13
AN/TTC-39 COMMUNICATIONS SWITCH (TRI-TAC) (APP. V, P. 95)	07/74	801.1	07/74	801.1	1,094.5	293.4	37	7.4	1		02
BUSHMASTER GUN	12/69	577.1	12/69	577.1	83.6	493.5-	86-	752.2-	90-		04.11
CANNON LAUNCHED GUIDED PROJECTILE (COPPERHEAD) (APP. V, P. 96)	06/75	1,116.2	09/75	1,240.7	1,220.5	20.2-	2-	115.1	10		
CH-47 HELICOPTER MODERNIZATION (APP. V, P. 96)	12/75	1,344.2	01/77	1,562.8	1,766.5	203.7	13	153.1	9		02.13
CHAPARRAL MISSILE	01/66	95.4	01/66	95.4	696.4	601.0	670	116.8	20		02
DIVAD GUN (APP. V, P. 96)	09/77	179.5	11/77	3,185.8	3,283.9	98.1	7	3,104.4	999		11.13
DRAGON MISSILE	10/65	382.2	02/66	404.2	525.4	121.2	30	124.3-	19-		
GENERAL SUPPORT ROCKET SYSTEM	09/77	2,685.8	09/77	2,685.8	4,975.4	2,289.6	85	2,249.6	85		11
HELLFIRE (FIRE & FORGET SEEKER)	09/78	311.2	09/78	311.2	311.2						01
HELLFIRE MISSILE (APP. V, P. 96)	12/72	283.9	03/76	735.1	804.8	69.7	9	22.5	3		
IFV XM2 (MICV) (APP. V, P. 96)	07/71	209.4	04/72	245.4	180.9	64.5-	26-	1,151.4-	86-		11

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APPENDIX II

APPENDIX II

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT SEPTEMBER 30, 1978  
(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.)											
SYSTEMS: (CONT.)											
IMPROVED HAWK MISSILE (APP. V, P. 96)	10/64	335.5	09/68	588.2		1,186.2	598.0	102	44.2-	4-	
LANCE MISSILE	08/63	586.7	06/67	652.9		1,061.5	408.6	63	50.3	5	
M-198 HOWITZER (APP. V, P. 96)	02/70	129.5	04/72	121.9		201.3	79.4	65	18.7-	8-	
NAVSTAR GLOBAL POSITIONING SYSTEM	12/73	17.1	08/76	673.0		731.3	58.3	9	670.5	999	05.11.13
PATRIOT MISSILE (SAM-D) (APP. V, P. 96)	08/65	4,916.8	03/72	5,240.5		6,234.0	993.5	19	319.1	5	
REMOTELY PILOTED VEHICLE	11/77	266.9	09/78	563.2		563.2					01
ROLAND MISSILE (APP. V, P. 96)	05/75	1,119.5	05/75	1,119.5		2,127.5	1,008.0	90	267.7	14	02
SINGLE CHANNEL GROUND/AIR RADIO	07/76	78.9	09/78	1,187.8		1,187.8			1,108.9	999	11.13
STANDOFF TARGET ACQUISITION SYSTEM (SOTAS) (APP. V, P. 96)	09/77	128.4	07/78	1,282.8		1,282.8			1,154.4	899	11.13
STINGER MISSILE (APP. V, P. 96)	07/72	473.8	07/72	473.8		1,319.3	845.5	178	378.8	40	02
TACTICAL FIRE DIRECTION SYSTEM (APP. V, P. 96)	11/67	123.6	12/67	160.5		418.4	257.9	161	20.9-	5-	11
TACTICAL OPERATIONS SYSTEM	06/74	44.8	06/74	44.8		729.0	684.2	1,527	585.0	406	04
TOW MISSILE	01/66	410.4	09/66	727.3		1,169.5	442.2	61	106.3	10	

UH-60A (UTTAS HELICOP- TER-BLACKHAWK) (APP. V. P. 96)	06/71	2,307.3	06/71	2,307.3	3,614.7	1,307.4	57	160.6	5	02
XM-1 TANK (APP. V. P. 96)	12/72	3,005.4	11/76	4,779.4	10,386.1	5,606.7	117	5,549.2	115	11
YAH-64 (AAH HELICOPTER) (APP. V. P. 96)	05/73	1,400.2	12/76	3,758.1	4,139.3	381.2	10	85.3	2	
SUR TOTAL		25,347.7		37,384.2	53,093.2	15,709.0		14,185.9		
DEPARTMENT OF THE NAVY:										
CONSTRUCTION:										
EASTERN TEST RANGE, PATRICK AF BASE, FL. WHARF AND DREDGING	06/73	31.3	06/73	31.1	30.2	.9-	3-	.1		
NATIONAL NAVAL MEDICAL CENTER, RETHESDA, MD, MODERNIZATION	02/75	100.0	02/75	100.0	107.6	7.6	8	9.2	9	
NAVAL ACADEMY, ANNAPOLIS, MD. ENGINEERING STUDIES COMPLEX, PHASES 1-3	02/70	27.7	02/70	27.7	30.5	2.8	10	.2	1	
NAVY REGIONAL MEDICAL CEN- TER, CAMP LEJEUNE, NC, HOS- PITAL	10/77	51.5	10/77	49.0	49.0					01
TRIDENT SUPPORT SITE, BAN- GOR, WA, DRYDOCK PHASE 1 & II	11/76	79.5	07/77	76.5	65.7	10.8-	14-	13.8-	17-	
TRIDENT SUPPORT SITE, BANGOR, WA, TRAINING FACILITY, INCREMENTS 1 & 2	06/73	30.1	06/73	30.1	33.1	3.0	10	.4-	1-	
TRIDENT SUPPORT SITE, BANGOR, WA, UTILITIES & SITE IMPROVEMENTS, 1ST INCREMENT	06/73	30.3	06/73	30.3	25.1	5.2-	17-	.3-	1-	
TRIDENT SUPPORT SITE, BANGOR, WA, UTILITIES & SITE IMPROVEMENTS, 2ND INCREMENT	04/74	42.9	04/74	42.9	35.7	7.2-	17-	.9-	2-	

ESTIMATED COST DATA COMPARISON  
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AT SEPTEMBER 30, 1978  
(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 NAVY: (CONT.)											
CONSTRUCTION: (CONT.)											
TRIDENT SUPPORT SITE, BANGOR, WA, UTILITIES & SITE IMPROVEMENTS, 3RD INCREMENT	06/75	37.1	06/75	37.1		36.6	.5-	1-	4.6-	11-	
UNIFORMED SERVICES UNIVERSITY OF HEALTH SCIENCES, BETHESDA, MD	02/75	64.9	02/75	64.9		59.2	5.7-	9-	7.9	15	
SYSTEMS:											
5" GUIDED PROJECTILE (APP. V, P. 96)	1972	109.8	08/77	500.5		500.5			311.3	165	11.13
8" GUIDED PROJECTILE (APP. V, P. 96)	1972	98.6	08/77	211.4		211.4			16.6	9	11.13
A-4M AIRCRAFT	1968	80.9	1968	80.9		865.9	785.0	970	444.0	105	02.11
A-6E AIRCRAFT	1970	574.6	1970	574.6		2,022.8	1,448.2	252	391.9	24	02
A-7E AIRCRAFT	05/68	1,465.6	05/68	1,465.6		2,405.1	939.5	64	1.8-		02
A/G STANDOFF WEAPON	09/78	195.4	09/78	195.4		195.4					01
AALC (AIR CUSHIONED VEHICLE)	1971	163.7	1971	163.7		164.2	.5		4.0	2	
AD-41 CLASS, DESTROYER TENDER	1973	90.6	1973	90.6		1,057.4	966.8	1,067	315.9-	23-	02
ADV ASW TORPEDO	08/75	2,272.6	08/75	2,272.6		640.0	1,632.6-	72-	104.6	20	13
ADVANCED ASW TARGET	09/78	348.1	09/78	348.1		348.1					01
ADVANCED SIGNAL PROCESSOR	10/73	388.3	03/78	373.1		179.0	154.1-	46-	366.5-	67-	13

AFGIS (RDY&E ONLY) (APP. V, P. 97)	04/68	388.0	01/70	427.6	595.3	167.7	39	5.6	1	
AN/ALO (AIRBORNE SELF PROTECTION JAMMER (ASPJ))	07/78	1,601.2	07/78	1,601.2	1,601.2					01
AN/BQQ-5 SONAR	09/70	429.6	09/70	429.6	1,043.0	613.4	143	171.4	20	02.11
AN-177 CLASS FLEET OILER	09/73	708.0	09/73	708.0	629.6	78.4-	11-	1,148.8-	65-	02.11
AS-39 CLASS SUBMARINE TENDER	09/73	412.9	09/73	412.9	443.0	230.1	56	40.2	7	02
AV-8B HARRIER	10/76	3,678.4	10/76	3,678.4	5,368.2	1,689.8	46	4,152.8	342	11.13
CAPTOR ANTI SUBMARINE WEAPONS SYSTEM (APP. V, P. 97)	12/71	329.2	12/71	329.2	1,250.5	921.3	280	238.4	24	02
CARRIER, SERVICE LIFE EXTENSION PROGRAM	09/78	1,150.5	09/78	1,150.5	1,150.5					01
CGN-38 FRIGATE (APP. V, P. 97)	02/69	769.2	12/71	820.4	1,278.4	458.0	56	5.1-		
CH-53E HELICOPTER (APP. V, P. 97)	04/73	578.4	04/73	578.4	771.8	193.4	33	158.0-	17-	02
COMBAT SYSTEM ENGINEERING DEVELOPMENT	06/74	214.8	01/78	251.0	258.7	7.7	3	7.3	3	13
CVN-68 CLASS AIRCRAFT CARRIER (PROCUREMENT ONLY) (APP. V, P. 97)	1972	1,919.5	1972	2,036.2	2,767.6	731.4	36	84.5	3	
DD-963 DESTROYER (APP. V, P. 97)	11/67	1,784.4	06/70	2,581.2	4,159.8	1,578.6	61	365.1	10	
DDG-2 CLASS CONVERSION	09/78	1,946.6	09/78	1,946.6	1,946.6					01
DDG-47 (GUIDED MISSILE DESTROYER) (APP. V, P. 97)	1976	5,041.7	03/78	14,083.5	14,083.5			7,050.0	100	11.13
DIFAR SONOBUOY SYSTEM	07/66	86.3	04/68	262.3	379.3	117.0	45	39.2	12	
E-2C (HAWKEYE) AIRCRAFT (APP. V, P. 97)	07/68	586.2	07/68	586.2	2,703.2	2,117.0	361	204.6	8	02
FA-6B AIRCRAFT	11/64	689.7	04/68	817.7	2,255.5	1,437.8	176	227.2	11	
ELF COMMUNICATIONS (SANGUINE)	06/75	534.0	06/75	534.0	441.2	92.8-	17-	204.3	86	

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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.)											
F-14 (TOMCAT) AIRCRAFT (APP. V. P. 97)	01/69	6,166.0	01/69	6,166.0		12,075.7	5,909.7	96	1,423.0	13	02
F-18 AIRCRAFT (APP. V. P. 97)	1975	12,875.3	12/75	12,875.3		14,321.3	1,446.0	11	1,511.8	12	
FFG-7 SHIP (APP. V. P. 97)	09/72	3,244.5	09/72	3,244.5		10,124.8	6,880.3	212	3,749.5-	27-	02,11
FLEET SATELLITE COMMUNICATION SYSTEM	01/74	822.4	01/74	822.4		773.2	49.2-	6-	148.8	24	02
HARM MISSILE (APP. V. P. 97)	07/72	208.4	09/78	1,357.9		1,357.9			429.3	46	13
HARPOON MISSILE (APP. V. P. 97)	07/70	1,071.4	06/74	1,031.8		1,584.3	552.5	54	45.4	3	
HIGH ENERGY LASER (RDT & E ONLY)	05/68	218.3	05/68	218.3		530.0	311.7	143	288.1	119	
JTIDS	12/77	1,534.2	12/77	1,534.2		1,534.2					01
LAMPS MK III (APP. V. P. 97)	09/73	1,315.4	03/78	3,907.6		3,506.4	401.2-	10-	773.1	28	13
LHA SHIP (APP. V. P. 97)	04/69	1,380.3	04/69	1,380.3		1,569.9	189.6	14	241.8	18	02
LVA, LANDING VEHICLE ASSAULT, (RDT & E ONLY)	1974	165.1	1974	165.1		296.7	131.6	80	111.7	60	
MK-46 IMPROVEMENT PROGRAM	02/75	121.9	02/75	121.9		952.2	830.3	681	225.3	31	02
MK-48 TORPEDO (APP. V. P. 97)	03/64	720.5	11/71	1,753.8		1,713.0	39.9-	2-	77.6-	4-	
MK-71 GUN	10/69	263.0	10/69	263.0		394.8	131.8	50	56.1	17	04

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APPENDIX II

APPENDIX II

NAVSTAR GPS	12/73	29.2	12/73	29.2	379.7	350.5	1,200	44.6	21	04.05
OTH/D.C.&T.	09/78	168.6	09/78	168.6	168.6					01
P-3C (ORION) AIRCRAFT (APP. V, P. 97)	06/67	1,294.2	06/67	1,294.2	5,275.9	1,981.7	708	409.3	8	02
PMALANX CIWS (APP. V, P. 97)	01/73	568.5	01/73	568.5	1,117.2	548.7	97	47.2	4	02
PMM SHIP (APP. V, P. 97)	02/73	726.2	02/73	726.2	391.7	334.5-	46-	1.0		02
PHOENIX MISSILE (APP. V, P. 97)	1963	370.8	06/63	536.6	1,681.3	1,144.9	213	127.9	8	
PRAM	03/76	148.8	03/76	148.8	1,050.8	902.0	604	23.5	2	13
RAPLOC (ROTI&E ONLY)	09/78	218.0	09/78	218.0	218.0					01
SIDEWINDER AIM-9L MISSILE (APP. V, P. 97)	06/71	99.7	06/71	99.7	353.8	254.1	255	57.8	20	02,06
SOSUS (CAESAR) ANTI SUBMARINE DETECTION & TRACKING SYSTEM	03/72	1,434.0	03/72	1,434.0	2,894.8	1,460.8	102	676.2	30	02
SPARROW AIM-7F MISSILE (APP. V, P. 97)	05/65	139.8	06/68	453.6	1,035.3	581.7	128	77.5	8	06
SSN-688 SUBMARINE (APP. V, P. 97)	02/69	1,658.0	01/71	5,747.5	9,593.8	3,846.3	67	964.0-	4-	
STANDARD ER AND MR MISSILES	1976	704.9	1976	704.9	3,009.5	2,304.6	727	829.1	38	06,11,13
SURFACE EFFECT SHIPS	1973	523.3	1973	523.3	837.2	313.9	60	222.8	36	04
SURTASS ARRAY SENSOR (APP. V, P. 97)	06/73	19.1	11/74	259.3	489.7	230.4	89	8.6	2	
TACAMO	1978	629.1	1978	629.1	629.1					01
TACTAS (APP. V, P. 97)	06/76	601.1	06/76	601.1	460.5	140.6-	23-	11.4	3	
TOMAHAWK (SLCM) MISSILE (APP. V, P. 98)	1975	2,524.6	01/78	2,422.9	2,576.0	153.1	6	728.1	19	13
TRIDENT SUB/MISSILE SYSTEM (APP. V, P. 98)	12/71	11,286.5	01/74	12,431.1	23,979.9	11,548.8	93	1,781.6	8	
SUB TOTAL		82,383.2		103,799.5	159,267.5	55,468.0		17,594.2		
AGENCY TOTAL		147,392.4		196,089.7	279,173.3	83,083.6		30,801.1		

ESTIMATED COST DATA COMPARISON  
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 AT SEPTEMBER 30, 1978  
 (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 ENERGY:										
FISSION POWER REACTOR DEVELOPMENT:											
CLINCH RIVER BREEDER REACTOR DEMONSTRATION PLANT, OAK RIDGE, TN (APP. III, P. 79)	07/69	699.0	08/72	699.0	248.0	2,500.0	1,801.0	258	549.6	28	
FAST FLUX TEST FACILITY, RICHLAND, WA	09/66	87.5	09/75	647.0		647.0			107.0	20	
FUEL AND MATERIAL EXAMINATION FACILITY, HEDL, RICHLAND, WA	04/77	140.4	04/77	140.4		117.6	22.8-	16-			01
FUEL STORAGE FACILITY, RICHLAND, WA	12/76	30.3	12/76	30.3		30.3					
HIGH PERFORMANCE FUEL LAB, RICHLAND, WA	08/76	80.0	08/76	80.0		100.6	20.2	25			
<b>SUB TOTAL</b>		<b>1,037.2</b>		<b>1,597.1</b>	<b>248.0</b>	<b>3,395.5</b>	<b>1,798.4</b>		<b>656.6</b>		
FOSSIL ENERGY DEVELOPMENT:											
4.8 MW FUEL CELL DEMONSTRATION UNIT, CA	04/76	53.0	06/76	53.0	30.0	60.0	15.0	28	15.0	28	
COMBINED CYCLE TEST FACILITY, PEKIN, IL	1975	104.9	1975	115.0	40.0	140.0	25.0	22	25.0	22	
COMPONENT DEVELOPMENT AND INTEGRATION FACILITY, BUTTE, MONTANA	01/76	31.5	01/76	31.5		37.0	5.5	17	.5-	1-	
COMPONENT TEST AND INTEGRATION UNIT (ATMOS), MORGANTOWN, W. VA.	10/76	18.0	01/77	34.5		42.5	8.0	23	8.0	23	
DONOR SOLVENT EXTRACTION PILOT PLANT, BAYTOWN, TX	1975	121.0	1975	121.0	60.0	121.0					03



FRILLATED BED (M-COAL) PILOT PLANT, CATTLETTSBURG, KY	12/75	165.2	1976	110.0	78.0	139.8	29.8	27	29.8	27	
FIXED BED SYNTHETIC OIL PROCESS DEVELOPMENT UNIT, BRIDGETON, PA	1974	26.9	1976	26.9		27.0	.1				02
LOW BTU FUEL GAS DEMONSTRATION PLANT - SMALL INDUSTRIAL, HOLT LAKE, MINN	09/77	49.0	09/77	49.0	24.0	49.0					01
PRESSURIZED FLUIDIZED - BED COMBINED CYCLE PLANT, 13MW, PILOT WOODRIDGE, NJ	03/76	24.3	04/77	34.3		33.1	1.2-	3-	1.2-	3-	
SUB TOTAL		593.8		575.2	182.0	657.4	82.2		76.1		
FUSION POWER RESEARCH AND DEVELOPMENT:											
14 MEV INTENSE NEUTRON SOURCE FACILITY, LASL, NM	1975	22.1	12/75	25.4		25.4					
CONFINEMENT SYSTEMS POLOIDAL DIVERTER EXPERIMENT (PDX), PRINCETON PLASMA LAB, PLAINSBORO, NJ	12/77	26.0	12/77	26.0		26.0					01
FUSION MATERIALS IRRADIATION TEST FACILITY, RICHLAND, WA	09/77	83.0	09/77	83.0		83.0					01
HIGH ENERGY LASER FACILITY, LASL, NM	12/73	22.6	06/75	54.0		62.5	8.5	16	8.0	15	
MIRROR FUSION TEST FACILITY, LLL, CA	12/76	94.2	12/77	94.2		94.2					01
TOKAMAK FUSION TEST REACTOR, PRINCETON PLASMA LAB, PLAINSBORO, NJ	01/75	215.0	01/75	215.0		239.0	24.0	11			
SUB TOTAL		462.9		497.6		530.1	32.5		8.0		
GEOTHERMAL ENERGY:											
FIRST GEOTHERMAL DEMONSTRATION PLANT, NEW MEXICO	12/77	110.0	12/77	110.0	55.0	110.0					01

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	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
DEPARTMENT OF ENERGY: (CONT.)											
HIGH ENERGY PHYSICS RESEARCH:											
INTERSECTING STORAGE ACCELERATOR, 400 GFV ELECTRON VOLTS (ISABELLE), BNL, NY	12/77	276.8	12/77	276.8		276.8					01
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					
INFERTIAL CONFINEMENT SYSTEMS:											
HIGH ENERGY LASER FACILITY (NOVA), LLL, CA	12/77	196.8	12/77	196.8		196.8					01
NAVAL PETROLEUM AND OIL SHALE RESERVE PROGRAM:											
NPR #1 GAS PLANT, UNITY DEVELOPMENT AND PIPELINE CONSTRUCTION, ELKHILLS, CA	09/77	426.0	09/77	426.0		420.0	6.0-	1-	6.0-	1-	
NAVAL REACTOR DEVELOPMENT:											
SAG PROTOTYPE PROPULSION PLANT, W. MILTON, NY	03/72	125.0	03/72	125.0		153.6	28.6	23			
POWER MARKETING, BONNEVILLE POWER ADMINISTRATION:											
ASHF-WILLAMETTE VALLEY TRANSMISSION FACILITIES, OR & WA	02/74	113.7	01/78	148.9		146.9	4.0-	3-	4.5	1	13
HOT SPRINGS-BELL TRANSMISSION FACILITIES, ID, MT & WA	06/74	57.9	06/74	58.0		69.2	11.2	19	.6-	1-	

SOUTH PUGET SOUND REINFORCEMENT, WA	06/77	25.2	06/77	25.2	25.2				01
WESTERN MONTANA TRANSMISSION, MT	11/77	145.7	03/78	152.2	152.2				01
WNP NO. 3 & 5 INTEGRATING TRANSMISSION, WA	02/75	32.4	04/75	43.0	48.1	5.1	12	1.7-	1-
SUR TOTAL		374.9		427.3	439.6	12.3		2.2	
SOLAR ENERGY:									
10 MEGAWATT CENTRAL RECEIVER SOLAR POWER PLANT, CA	09/77	121.3	09/77	121.3	15.3	2.0	2	2.0	2
OTFC 1 OCEAN TEST FACILITY, CA	09/77	38.4	09/77	38.4	44.0	5.6	15	5.6	15
SUR TOTAL		159.7		159.7	15.3	7.6		7.6	
SPECIAL MATERIALS PRODUCTION:									
ADDITIONAL FACILITIES, HIGH LEVEL WASTE HANDLING AND STORAGE, SAVANNAH RIVER, SC	12/73	30.0	12/73	30.0	31.5	1.5	5		
ADDITIONAL FACILITIES, HIGH LEVEL WASTE STORAGE, SAVANNAH RIVER, SC	12/74	68.0	12/74	68.0	68.0				
ADDITIONAL HIGH LEVEL WASTE STORAGE FACILITIES, RICHLAND, WA	12/74	35.0	12/74	35.0	35.0				
ADDITIONAL WASTE CONCENTRATION AND SALT CAKE STORAGE FACILITIES, RICHLAND, WA	09/73	30.0	09/73	30.0	27.6	2.4-	8-		
FLUORINE DISSOLUTION PROCESS AND FUEL RECEIVING IMPROVEMENTS, TCPP, ID	12/75	35.0	12/77	116.0	116.0				
HIGH LEVEL WASTE STORAGE AND HANDLING FACILITIES, RICHLAND, WA	12/75	40.0	12/75	40.0	40.0				
HIGH LEVEL WASTE STORAGE FACILITIES, SAVANNAH RIVER, SC	12/76	42.0	12/77	42.0	42.0				01

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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.)											
SPECIAL MATERIALS PRODUCTION (CONT.)											
HIGH LEVEL WASTE STORAGE TANKS AND WASTE MANAGEMENT FA- CILITIES, SAVANNAH RIVER, SC	12/75	56.0	12/75	56.0		56.0					
IMPROVEMENTS TO WASTE MANAGE- MENT AND MATERIALS PROCESSING FACILITIES, RICHLAND, WA	04/77	25.0	12/77	40.0		40.0					01
NEW WASTE CALCINING FACILITY (CHEMICAL PROCESSING PLANT, INEL), ID	12/73	20.0	12/74	65.0		81.0	16.0	25	16.0	25	
SUB TOTAL		381.0		522.0		537.1	15.1		16.0		
STRATEGIC PETROLEUM RESERVE PRO- GRAM:											
SALT DOME, TERMINAL AND PIPE- LINE CONSTRUCTION, TX, LA	09/77	767.0	08/78	3,086.0		3,086.0			2,319.0	302	11.13
URANIUM RESOURCES AND ENRICH- MENT ACTIVITIES:											
ADDITIONAL FACILITY FOR ENRICHED URANIUM PRODUCTION, PORTSMOUTH, OH	01/76	2,800.0	12/77	4,800.0		4,700.0	100.0-	2-	500.0	12	11.13
CASCADE UPGRATING PROGRAM, GAS- EUS DIFFUSION PLANTS, KY, OH & TN	12/72	235.0	12/76	460.0		422.9	37.1-	8-	37.1-	8-	
CENTRIFUGE FACILITY MODIFICA- TIONS, OAK RIDGE, TN	12/76	30.0	12/76	30.0		30.0					01
CENTRIFUGE PLANT DEMONSTRA- TION FACILITY, OAK RIDGE, TN	12/75	60.7	12/75	60.7		60.7					

COMPONENT TEST FACILITY, OAK RIDGE, TN (APP. III, P. 79)	12/71	21.2	12/71	21.2	46.8	25.6	121		
EXPANSION OF FFED VAPORIZA- TION AND SAMPLING FACILITIES, GDP'S, OAK RIDGE, TN	04/76	30.0	04/76	30.0	30.0				
PROCESS EQUIPMENT MODIFICA- TIONS GASEOUS DIFFUSION PLANTS, KY, OH & TN	12/71	523.0	12/77	990.0	990.0			70.0	R 13
SUR TOTAL		3,699.9		6,391.9	6,280.4	111.5-		532.9	
WEAPONS ACTIVITIES:									
DP SITE PU PROCESS FACILITY, LASL, NM	09/70	30.0	05/74	75.0	75.0				13
NFW PLUTONIUM RECOVERY FACIL- ITY, ROCKY FLATS, CO	09/70	63.0	05/74	140.0	202.1	62.1	44	15.1	R 13
WEAPONS SAFEGUARDS, VARIOUS LOCATIONS	12/76	28.0	12/76	28.0	28.0				01
SUR TOTAL		121.0		243.0	305.1	62.1		15.1	
AGENCY TOTAL		8,804.0		14,712.4	520.3	16,633.7	1,921.3	3,627.5	
DEPARTMENT OF HEALTH, EDUCATION AND WELFARE:									
NATIONAL INSTITUTES OF HEALTH:									
AMBULATORY CARE RESEARCH FA- CILITY	07/72	63.2	03/77	108.5	105.0	3.5-	3-	3.5-	3-
LISTER HILL NATIONAL CENTER FOR BIOMEDICAL COMMUNICATIONS, MD	04/70	15.0	03/75	26.0	26.0			.8-	3-
NATIONAL ENVIRONMENTAL HEALTH SCIENCES CENTER, NC	02/72	51.0	03/75	69.2	70.9	1.7	2		
SUR TOTAL		129.2		203.7	201.9	1.8-		4.3-	
AGENCY TOTAL		129.2		203.7	201.9	1.8-		4.3-	

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	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
DEPARTMENT OF JUSTICE:											
FEDERAL BUREAU OF INVESTIGATION:											
AUTOMATED IDENTIFICATION DIVISION SYSTEM	08/71	55.4	08/71	55.4		55.4			1.8-	3-	
DEPARTMENT OF STATE:											
MOSCOW COMPLEX	06/68	100.0	06/68	100.0		100.0					02
DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS:											
BEACH EROSION:											
DELAWARE COAST PROTECTION (73809)	1968	8.0	1977	22.6	14.3	44.2	21.6	96	2.8	7	
EAST ROCKAWAY INLET TO ROCKAWAY INLET AND JAMAICA BAY, NY (PART I) (5210)	1965	26.0	1973	42.0	15.3	30.6	11.4-	27-	.6-	2-	
FIRE ISLAND INLET TO JONES INLET, NY (5880) (APP. III, P. 79)	1965	16.2	1971	19.4	16.8	42.5	23.1	119	4.5	12	
SUB TOTAL		50.2		64.0	46.4	117.3	33.3		6.7		
FLOOD CONTROL:											
ALUM CREEK LAKE, OH (280)	1963	22.7	1968	29.1		54.6	25.5	88	1.3	2	13
APPLEGATE LAKE, OH (440)	1963	14.7	1976	55.1	.5	98.5	43.4	79	9.1	10	13
AQUILLA DAM AND LAKE, TX (74786)	1965	23.6	1976	43.5		41.1	2.4-	6-	2.9	8	

ARKANSAS-RED RIVER BASINS CHLORIDE CONTROL, OK, TX, AND KS (AREA VIII) (75261)	1976	26.0	1976	26.0		41.8	15.8	61	2.8	7	
AUBREY LAKE, TX (74787)	1962	36.1	1975	110.0		211.0	101.0	92	15.0	8	
H. EVERETT JORDAN DAM AND LAKE, NC (12410) (APP. III, P. 79)	1963	25.5	1967	29.5		108.0	78.5	266	5.0	5	
BEAR CREEK LAKE, CO (72285)	1964	32.6	1973	53.4	.2	62.4	9.0	17	2.2-	3-	
BEECH FORK LAKE, WV (1280) (APP. III, P. 79)	1962	11.0	1967	12.8		37.5	24.7	193	1.6	4	
BIG WALNUT LAKE, IN (71527)	1968	29.5	1976	63.3	41.7	117.5	54.2	86	8.8	8	
BLOOMINGTON LAKE, MD AND WV (1770) (APP. III, P. 79)	1962	51.0	1970	76.7		158.0	81.3	106	2.0	1	
BLUE MARSH LAKE, PA (1780)	1962	15.8	1973	37.6	8.6	69.4	31.8	85	1.6-	2-	
HUFFALO MAYOU AND TRIBUTARIES, TX (2150)	1954	64.5	1960	93.2	66.5	170.1	76.9	83	4.5	3	
BURNSVILLE LAKE, WV (2270) (APP. III, P. 79)	1938	2.7	1968	21.8		48.6	26.8	123	2.1	5	13
CAFSAR CREEK LAKE, OH (2350) (APP. III, P. 79)	1938	3.6	1967	15.9		57.9	42.0	264	6.0	12	
CATHERINE CREEK LAKE, OR (21910) (APP. III, P. 80)	1965	7.9	1973	19.3	.2	40.0	20.7	107	4.1	11	
CAVE RUN LAKE, KY (2780) (APP. III, P. 80)	1935	1.8	1965	28.4		72.2	43.8	154	1.2	2	13
CENTRAL AND SOUTHERN FL (2860) (APP. III, P. 80)	1948	208.1	1960	723.9	272.0	874.4	550.5	170	27.1	3	
CHARTIERS CREEK, PA (3010)	1965	20.3	1968	25.4	9.1	38.8	13.4	53	.4	1	13
CHATFIELD LAKE, CO (3020)	1957	34.2	1967	74.0	7.5	97.3	23.3	31	.5	1	
CHENA RIVER LAKES, AK (72738)	1968	111.7	1973	109.5	11.2	181.2	71.7	65	3.8	2	
CLAYTON LAKE, OK (74925) (APP. III, P. 80)	1962	13.2	1973	21.8		47.5	25.7	118	.6-	1-	
CLINTON LAKE, KS (3480)	1962	25.2	1972	44.2		56.8	12.6	29	.2-		
CLINTON, IA (74040)	1968	10.6	1974	17.0	4.3	30.0	13.0	76	.7-	2-	

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	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS: (CONT.)											
FLOOD CONTROL: (CONT.)											
COOPER LAKE AND CHANNELS, TX (3820) (APP. III, P. 80)	1955	9.1	1961	13.8	.3	81.2	67.4	488	6.2	8	13
COPAN LAKE, OK (3890)	1962	25.6	1971	42.4		66.5	24.1	57	1.4	7	
COWANESQUE LAKE, PA (4150) (APP. III, P. 80)	1958	28.6	1973	49.3		99.2	49.9	101	1.8-	2-	
CUCAMONGA CREEK, CA (74649)	1965	34.5	1975	56.7	18.4	104.6	47.9	84	4.2	4	
DADE CO BEACH EROSION CONTROL, FL (74363)	1968	28.6	1976	61.4	25.7	56.9	4.5-	7-	7.6-	12-	
DRY CREEK LAKE, CA (4990) (APP. III, P. 80)	1962	42.5	1967	51.0	.1	232.1	181.1	355	12.0	5	
EAST FORK LAKE, OH (5180) (APP. III, P. 80)	1938	4.5	1967	19.0		49.1	30.1	158	2.7	6	
EAST LYNN LAKE, WV (5190) (APP. III, P. 80)	1937	3.0	1965	14.3		34.8	20.5	143	.7-	2-	
EAST ST. LOUIS AND VICINITY (634) (APP. III, P. 80)	1965	3.7	1972	18.1	15.7	64.1	46.0	254	5.9	10	
EL DORADO LAKE, KS (5350) (APP. III, P. 80)	1965	23.3	1971	29.3	5.6	84.3	55.0	188	2.4	3	
EL PASO, TX (5340) (APP. III, P. 80)	1965	15.6	1970	19.3	13.3	64.9	45.6	236	3.7	6	
ELIZARETH, NJ (5380) (APP. III, P. 80)	1964	12.2	1969	14.2	10.0	44.1	29.9	211	2.4	6	
ELK CREEK LAKE, OK (5370) (APP. III, P. 80)	1962	17.5	1971	27.2		87.9	60.7	223	7.5	9	

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APPENDIX II

APPENDIX II



EVANSVILLE, IN (5690) (APP. III, P. 80)	1937	2.4	1460	14.2	7.4	45.1	30.9	218	2.9	7
FALLS LAKE, NC (5800) (APP. III, P. 80)	1945	14.6	1971	29.6		121.0	91.4	309	21.0	21
FIRE ISLAND IMFT TO MONTAUK PT., NY (5870) (APP. III, P. 81)	1960	42.5	1963	42.5	54.3	177.7	130.8	308	23.3	16
FOUR MILE PUN, CITY OF ALEXANDRIA & ARLINGTON COUNTY, VA (75027)	1974	38.6	1974	38.6	12.3	59.6	21.0	54	2.7-	4-
FOUR RIVER BASINS, FL (6090) (APP. III, P. 81)	1942	49.8	1966	96.3	81.6	230.6	134.3	139	20.0	9
FRFFPORT & VICINITY, TX (6180) (APP. III, P. 81)	1962	5.4	1965	5.5	12.3	41.0	35.5	645	1.0	2
GATHRIGHT LAKE, VA (6430) (APP. III, P. 81)	1946	13.0	1967	16.3		75.8	59.5	365	2.1	3
GROVE LAKE, KS (7110)	1962	11.7	1977	84.5		92.2	7.7	9		
HILL SDALE LAKE, KS (7540)	1960	9.4	1973	37.3		59.0	21.7	58	.6	1
INDIAN REND WASH (GILA RIVER BASIN), AZ (22720) (APP. III, P. 81)	1961	9.0	1975	16.7	10.2	34.0	17.3	104	2.9	9
KANSAS CITY, KS (8740)	1962	21.1	1970	28.5	6.2	34.4	5.9	21	.1	
KEHOF LAKE, KY (8870)	1965	15.0	1974	30.5		43.3	12.8	42	3.0	7
LAFARGE LAKE AND CHANNEL IMPROVEMENT, WI (9240) (APP. III, P. 81)	1962	15.9	1971	24.5	.4	60.8	36.3	148	2.0	3
LAKE PONTCHARTRAIN AND VICINITY, LA (9350) (APP. III, P. 81)	1965	84.8	1967	98.1	85.0	433.0	336.9	361	24.0	6
LAKVIEW LAKE, TX (9420) (APP. III, P. 81)	1965	31.2	1975	105.0		240.0	135.0	129	5.0	2
LAROSE TO GOLDEN MEADOW, LA (HURRICANE CONTROL) (6680) (APP. III, P. 81)	1960	7.9	1972	13.4	16.6	55.5	42.1	314	12.8	30

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	DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS: (CONT.)										
FLOOD CONTROL: (CONT.)											
LAVON LAKE MODIFICATION AND EAST FORK CHANNEL IMPROVEMENTS, TX (9570) (APP. III, P. 81)	1962	24.1	1967	27.7	.2	65.2	37.5	135	.5	1	
LINCOLN LAKE, IL (9800) (APP. III, P. 81)	1965	30.7	1971	42.1	7.0	132.0	89.9	214	9.5	8	13
LITTLE BLUF RIVER CHANNEL, MO (72277) (APP. III, P. 81)	1968	5.3	1973	8.1	3.3	33.2	25.2	311	.5	2	
LITTLE BLUE RIVER LAKES, MO (72276)	1968	33.9	1977	93.9		121.0	27.1	29	9.0	8	
LOS ESTEROS LAKE, NM (10080) (APP. III, P. 81)	1954	7.0	1971	13.2		29.9	16.7	127	2.7	10	
LUKFATA LAKE, OK (10290) (APP. III, P. 81)	1955	12.7	1968	13.9		36.2	22.3	160	2.2	6	
MANKATO & N. MANKATO, MN (10520) (APP. III, P. 81)	1956	2.0	1968	5.8	3.2	59.3	53.5	922	.6	1	
MERAMEC PARK LAKE, MO (10990) (APP. III, P. 81)	1938	37.7	1973	79.1		178.0	98.9	125	11.0	7	
MILL CREEK, OH (74993)	1969	42.0	1975	78.5	28.4	143.4	64.9	83	8.9	7	
MISSOURI RIVER LEVEE SYSTEM (11610) (APP. III, P. 81)	1944	74.0	1963	66.4	18.5	187.5	121.1	182	6.9	4	
MORGAN CITY & VIC, LA (11830) (APP. III, P. 81)	1965	4.4	1970	6.1	9.6	27.0	20.9	343	2.1	8	01
NAPA RIVER, CA (12130) (APP. III, P. 81)	1965	18.1	1970	22.0	17.9	63.2	41.2	187	4.2	7	

NEW ORLEANS TO VENICE HURRICANE PROTECTION, LA (12110) (APP. III, P. 82)	1962	10.7	1964	10.8	42.6	142.0	131.2	1,215	4.0	3	
OPTIMA LAKE, OK (13370) (APP. III, P. 82)	1936	1.5	1947	21.1		43.7	22.6	107			
PAINTSVILLE LAKE, KY (13570)	1965	16.5	1971	22.7		45.0	22.3	98	1.9	4	
PARK RIVER, HARTFORD, CT (73373)	1966	31.1	1974	73.3	1.3	59.5	13.8-	19-	.8	1	
PATOKA LAKE, IN (13730) (APP. III, P. 82)	1963	20.4	1968	22.8	23.2	74.7	51.9	228	.1-		
PORT ARTHUR AND VICINITY, TX (14350)	1962	33.4	1966	58.0	26.6	87.1	29.1	50	13.0-	13-	
PORTUGUES & BUCANA RIVERS, PR (74996)	1970	60.4	1975	120.6	46.6	221.6	101.0	84	41.1	23	
R.D. BAILEY LAKE, WV (14780) (APP. III, P. 82)	1962	60.5	1967	82.6		177.0	94.4	114	2.0	1	
RED RIVER LEVEES AND BANK STABILIZATION BELOW DENISON DAM, TX (15050) (APP. III, P. 82)	1946	9.5	1961	10.4	1.3	52.9	42.5	409	.8-	1-	
SACRAMENTO RIVER BANK PROTECTION, CA (15840) (APP. III, P. 82)	1960	21.4	1963	22.6	37.3	112.0	89.4	396	2.0	2	
SAGINAW RIVER, MI (15910) (APP. III, P. 82)	1958	17.9	1963	20.3	9.9	73.7	53.4	263	2.6	4	
SAN ANTONIO CHANNEL IMPROVE- MENT, TX (16100) (APP. III, P. 82)	1953	23.4	1957	24.2	63.1	111.8	87.6	362	2.7	2	13
SAN GABRIEL RIVER, TX (16160) (APP. III, P. 82)	1962	45.5	1968	53.1		124.0	70.9	134	5.0	4	
SAYLORVILLE LAKE, IA (16510) (APP. III, P. 82)	1958	44.5	1964	36.5	1.0	96.0	59.5	163	1.8-	2-	
SKIATOOK LAKE, OK (16530)	1961	22.9	1973	42.5		72.6	30.1	71	6.7-	8-	
SMITHVILLE LAKE, MO (16980) (APP. III, P. 82)	1966	21.5	1972	39.0		80.6	41.6	107	.3		

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	DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS: (CONT.)										
FLOOD CONTROL: (CONT.)											
SOUTHWESTERN JEFFERSON COUNTY, KY (71529)	1968	21.9	1973	36.1	13.4	56.9	20.8	58	.1-		
STONEWALL JACKSON LAKE, WV (17580) (APP. III, P. 82)	1966	33.2	1970	40.5		117.0	76.5	189	8.0	7	
SWEETWATER RIVER, CA (74660) (APP. III, P. 82)	1968	9.2	1972	14.4	14.6	29.5	15.1	105	1.6	6	
TALLAHALA CREEK LAKE, MS (74433) (APP. III, P. 82)	1968	13.8	1973	19.2		67.4	48.2	251	7.4	12	
TAYLORS BAYOU, TX (18000) (APP. III, P. 82)	1965	8.9	1970	10.5	13.7	39.1	28.6	272	2.0	5	
TAYLORSVILLE LAKE, KY (18010) (APP. III, P. 83)	1966	21.8	1971	31.9		86.9	55.0	172	5.4	7	13
TEXAS CITY AND VICINITY, TX (18140) (APP. III, P. 83)	1958	8.3	1962	9.7	14.7	48.7	39.0	402	5.7	13	
TIOGA-HAMMOND LAKES, PA (18250) (APP. III, P. 83)	1958	53.6	1971	72.3		173.2	100.9	140	.3-		
TOMRIGBEE RIVER AND TRIBUTARIES, MS AND AL (18310) (APP. III, P. 83)	1958	21.9	1965	26.8	8.3	105.7	78.9	294	5.3	5	
TREXLER LAKE PA (18450)	1962	10.1	1975	31.6		47.5	15.9	50	2.6	6	
TYRONE, PA (22670) (APP. III, P. 83)	1940	1.6	1972	15.5	3.8	43.4	27.9	180	3.1	8	
WALNUT CREEK, CA (19390) (APP. III, P. 83)	1960	24.4	1964	28.9	19.3	79.5	50.6	175	3.6	5	

WATERLOO, IA (19530) (APP. III, P. 83)	1965	14.7	1970	21.7	10.1	49.4	27.7	128	6.6	1
MAURIKA LAKE, OK (19570)	1962	25.1	1970	37.5		66.7	29.2	78		
YATTSVILLE LAKE, KY (20310) (APP. III, P. 83)	1965	20.0	1973	28.8		62.0	33.2	115	6.8	8
SUB TOTAL		2,490.8		3,971.6	1,240.7	9,706.0	5,734.4		197.0	
MISSISSIPPI RIVER AND TRIBUTARIES:										
ATCHAFALAYA BASIN, LA (690) (APP. III, P. 83)	1927	121.1	1967	285.1	8.4	1,148.4	863.3	303	175.5	18
LOWER ARKANSAS RIVER, AR (625)	1928	25.7	1967	25.7	.1	32.7	7.0	27	.7	2
LOWER RED RIVER SOUTH BANK (10220)	1927	9.0	1967	17.2		34.2	17.0	99	1.4	4
MISSISSIPPI RIVER CACHE BASIN (2320) (APP. III, P. 83)	1949	26.1	1967	27.2	14.8	123.8	96.6	155	9.5	8
MISSISSIPPI RIVER CHANNEL IMPROVEMENTS (15240) (APP. III, P. 83)	1927	468.0	1967	942.0	1.5	2,717.5	1,375.5	146	97.2	4
MISSISSIPPI RIVER LEVEES (11440) (APP. III, P. 83)	1927	221.0	1967	285.1	51.1	1,026.2	741.1	260	75.0-	7-
MISSISSIPPI RIVER ST. FRANCIS BASIN (17320) (APP. III, P. 83)	1935	88.2	1967	134.6	1.9	286.9	152.3	113	16.0	6
MISSISSIPPI RIVER TENSAS BASIN, LA (75053) (APP. III, P. 83)	1940	31.8	1967	86.5	.5	304.5	218.0	252	5.0	2
MISSISSIPPI RIVER WEST TENNESSEE TRIBUTARIES (119730) (APP. III, P. 83)	1947	9.1	1967	12.0	2.7	58.7	46.7	389	2.9	5
MISSISSIPPI RIVER YAZOO BASIN (75054) (APP. III, P. 83)	1935	195.0	1967	217.3	.9	769.9	552.6	254	38.0	5
OLD RIVER CONTROL, LA (13300)	1953	81.0	1967	71.4		86.4	13.0	18	1.1	1

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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 ARMY, CORPS OF ENGINEERS: (CONT.)										
MISSISSIPPI RIVER AND TRIBUTARIES: (CONT.)											
TECHE-VERMILION BASINS, LA (WATER SUPPLY) (23210) (APP. III, P. 83)	1966	5.1	1976	11.8	3.7	30.9	19.1	162	6.5	27	01
SUB TOTAL		1,281.1		2,115.9	85.6	6,218.1	4,102.2		278.8		
MULTIPURPOSE PROJECTS INCLUDING POWER:											
BONNEVILLE SECOND POWERHOUSE, OR AND WA (3580) (APP. III, P. 84)	1937	120.0	1974	267.0		575.0	308.0	115	2.0-		
CHIEF JOSEPH ADDITIONAL UNITS, WA (3200)	1960	57.5	1973	167.0		310.0	143.0	86	13.0-	4-	
CLARENCE CANNON DAM, MO (2560) (APP. III, P. 84)	1962	63.3	1966	70.6		225.0	154.4	219			
DFGRAY LAKE, AR (4530) (APP. III, P. 84)	1950	19.0	1962	32.5		71.4	38.9	120			
DWORSHAK DAM AND LAKE, ID (5090)	1962	127.2	1963	186.0		318.4	132.4	71	1.7	1	
HARRY S. TRUMAN DAM AND RESERVOIR, MO (8840) (APP. III, P. 84)	1958	102.0	1965	146.2		459.0	312.8	214	9.0	2	
ICE HARBOR ADDITIONAL UNITS, WA (8000)	1945	20.0	1971	26.4		34.7	8.3	31	3.8-	10-	
JOHN DAY LOCK AND DAM, OR AND WA (8480)	1950	379.8	1960	387.0		483.3	96.3	25	11.7-	2-	

JONES BLUFF LOCK AND DAM, AL (1990)	1945	52.6	1966	52.6	84.5	31.9	61	1.1	1	
LAUREL RIVER LAKE, KY (4550) (APP. III, P. 84)	1960	21.9	1965	23.8	55.8	32.0	134	1.3	2	13
LIRRY ADDITIONAL UNITS AND REGULATING DAM, MT (7505H)	1950	75.0	1977	193.0	246.5	53.5	28	21.5	10	
LIRRY DAM-LAKE KOOCANUSA, MT (9750)	1950	239.1	1966	343.0	486.0	143.0	42	3.0-	1-	
LITTLE GOOSE ADDITIONAL UNITS, WA (72733)	1945	20.0	1974	34.1	57.2	23.1	68	.2		
LOST CREEK LAKE, OR (10090)	1962	74.5	1967	83.1	154.0	70.9	85	2.0	1	
LOWER GRANITE ADDITIONAL UNITS, WA (908)	1945	20.0	1974	34.1	47.4	13.3	39			
LOWER GRANITE LOCK AND DAM, WA (10180)	1945	118.0	1965	174.1	306.6	132.5	76	.1		13
LOWER MONUMENTAL ADDITIONAL UNITS, WA (909)	1945	20.0	1975	37.8	50.8	13.0	34	2.5-	5-	
MCNARY LOCK AND DAM, OR AND WA (10920)	1945	236.4	1960	293.8	330.2	36.4	12	4.8-	1-	
NEW MELONES LAKE, CA (12460) (APP. III, P. 84)	1962	114.0	1966	122.0	339.0	217.0	178	2.0	1	
RICHARD B. RUSSELL (TROTTERS SHOALS) DAM AND LAKE, GA AND SC (18530)	1965	85.0	1975	178.0	299.0	121.0	68	8.0	3	
SPEWRELL BLUFF LAKE, GA (17260) (APP. III, P. 84)	1963	63.2	1971	91.8	270.0	178.2	194	18.0	7	
THE DALLES ADDITIONAL UNITS, WA AND OR (72684)	1950	53.2	1967	64.0	54.0	10.0-	16-	19.0-	26-	
TOCKS ISLAND LAKE (RELOCATION OF ROUTE 209 ONLY) (75282)	1962	50.3	1976	50.3	3.8	61.9	11.6	23	4.1	7
TOCKS ISLAND LAKE, PA, NJ, AND NY (18270)	1962	90.4	1973	295.0	451.0	156.0	53	22.0	5	13
WEST POINT LAKE, GA AND AL (19710) (APP. III, P. 84)	1962	52.9	1969	64.2	133.1	68.9	107	1.4	1	13

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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 ARMY, CORPS OF ENGINEERS: (CONT.)										
MULTIPURPOSE PROJECTS INCLUDING POWER: (CONT.)											
WOLF CREEK DAM, LAKE CUMBERLAND, KY (20140)	1973	64.0	1975	64.0		108.0	44.0	69	11.0-	9-	
SUB TOTAL		2,339.3		3,481.4	3.8	6,011.8	2,530.4		21.6		
NAVIGATION:											
AIWW REPLACEMENT OF FEDERAL HIGHWAY BRIDGES IN NC (74967)	1969	15.0	1974	20.2	5.2	38.0	17.8	88	5.6	17	
BALTIMORE HARBOR AND CHANNELS, MD (870)	1956	32.1	1961	34.1	4.2	32.3	1.8-	5-	.7	2	
CANNELTON LOCKS AND DAM, IN AND KY (2550)	1960	68.5	1962	71.8	.1	96.6	24.8	35	1.4-	1-	
COOPER RIVER CHARLESTON HARBOR, SC (74354)	1966	35.4	1975	74.0		113.0	39.0	53	6.0	6	
CORPUS CHRISTI SHIP CHANNEL, TX (74811) (APP. III, P. 84)	1968	21.2	1972	22.6	10.8	59.6	37.0	164	10.8	22	
FALL RIVER HARBOR, MA AND RI (73394) (APP. III, P. 84)	1968	10.3	1971	14.6	3.6	35.6	21.0	144			
HAMPTON ROADS, VA (7270)	1965	29.5	1966	33.7	.9	39.1	5.4	16	1.1	3	13
INLAND WATERWAY DELAWARE RIVER TO CHESAPEAKE BAY, PT. II, DE AND MD (8290)	1954	45.0	1962	98.8	.1	122.1	23.3	24	1.0	1	13
KASKASKIA RIVER, IL (8770)	1962	60.5	1966	68.9	7.7	135.7	66.8	97	1.5-	1-	



MISSISSIPPI RIVER BETWEEN OHIO AND MISSOURI RIVERS (REGULATING WORKS) IL AND MO (11380) (APP. III, P. 85)	1910	21.0	1960	61.9		154.0	92.1	149	.6-		
MISSISSIPPI RIVER GULF OUTLET, LA (11410) (APP. III, P. 85)	1956	89.9	1961	113.2	137.0	521.0	407.8	360	31.0	6	
MISSISSIPPI RIVER, BATON ROUGE TO GULF (15240) (APP. III, P. 85)	1945	4.2	1959	34.0		95.6	61.6	181	6.4	7	01
MISSOURI RIVER, SIOUX CITY TO MOUTH (621)	1945	178.0	1960	150.2	9.3	439.6	89.4	26	5.1-	1-	
MORILE HARBOR (THEODORE CHAN- NEL), AL (74948) (APP. III, P. 85)	1970	8.9	1976	15.2	19.3	67.8	52.6	346	6.1	10	13
NEW YORK HARBOR, COLLECTION & REMOVAL OF DRIFT, NY (74966)	1974	28.8	1975	49.7	44.1	84.9	35.2	71	2.8	3	
NEWBURGH LOCKS AND DAM, IN AND NY (12560)	1962	58.5	1965	62.1	.1	105.3	43.2	70	.8-	1-	
OUACHITA AND BLACK RIVERS, AR AND LA (13470) (APP. III, P. 85)	1960	45.0	1963	46.9	6.3	212.3	165.4	353	15.5	8	
RED RIVER WATERWAY (MISSISSIPPI RIVER TO SHREVEPORT, LA, AR AND OK) (65) (APP. III, P. 85)	1968	250.4	1974	417.4	51.1	1,115.2	697.8	167	69.0	7	
SAN DIEGO RIVER AND MISSION RAY, CA (15750)	1941	15.1	1968	29.5	17.5	34.1	4.6	16	.9	3	
SAN FRANCISCO BAY TO STOCKTON, CA (16630) (APP. III, P. 85)	1965	60.9	1970	71.0	36.2	162.2	91.2	128	10.6	7	
SMITHLAND LOCKS AND DAM, IL AND KY (16950) (APP. III, P. 85)	1965	90.1	1970	110.1	.3	252.1	142.0	129	3.1	1	
TAMPA HARBOR (MAIN CHANNEL), FL (74951)	1970	72.1	1975	99.2	.9	156.0	56.8	57	7.1	5	

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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.)											
TENNESSEE TOMBIGBLE WATERWAY, AL AND MS (18070) (APP. III, P. 85)	1963	281.8	1971	361.3	137.0	1,677.0	1,315.7	364	114.0	7	
UNIONTOWN LOCKS AND DAM, IN AND KY (18840)	1958	51.4	1965	61.8	.1	99.5	37.7	61			
WALLISVILLE LAKE TX (19380) (APP. III, P. 85)	1959	9.2	1964	10.0		28.9	18.9	189			
SUB TOTAL		1,632.8		2,332.2	491.8	5,877.5	3,545.3		282.3		
AGENCY TOTAL		7,794.2		11,985.1	1,867.9	27,530.7	15,545.6		986.4		
DEPARTMENT OF THE INTERIOR:											
BUREAU OF RECLAMATION:											
BRANTLEY PROJECT, NM	1972	45.6	1972	45.6		83.0	37.4	82			
CENTRAL ARIZONA PROJECT:											
NAVAJO PARTICIPATION AGREEMENT (POWER PLANT)	1968	115.2	1968	115.2		229.0	113.8	99	51.6	29	
WATER DEVELOPMENT (APP. III, P. 85)	1968	717.0	1968	735.6	.7	1,688.8	953.2	130	304.3	22	
CENTRAL VALLEY:											
AUBURN-FOLSOM SOUTH UNIT (WATER CONTROL), CA (APP. III, P. 85)	1965	425.0	1965	425.0	5.8	1,186.3	761.3	179	55.8	5	

SACRAMENTO RIVER DIVISION (IRRIGATION), CA (APP. III, P. 85)	1950	111.4	1950	111.4		317.9	206.5	145	34.1	12	
SAN FELIPE DIVISION, CA (APP. III, P. 86)	1967	92.4	10/67	92.4	.1	193.3	100.9	109	3.9	2	
SAN LUIS UNIT (WATER CONTROL), CA (APP. III, P. 86)	1960	483.1	1960	483.1	144.7	1,065.5	582.4	121	145.5	14	
CHIEF JOSEPH DAM											
OROVILLE-TONASKET UNIT	01/76	39.4	01/76	39.4		56.2	16.8	43			01
COLORADO RIVER BASIN SALINITY CONTROL PROJECTS:											
POINT SOURCE DIVISION, LAS VEGAS WASH UNIT CONSTRUCTION	1975	49.6	1975	50.2		58.7	8.5	17	.3-	1-	13
TITLE I, CONSTRUCTION (APP. III, P. 86)	1974	155.5	1974	157.7		334.2	176.5	112	10.2	3	13
COLUMBIA BASIN:											
IRRIGATION FACILITIES (APP. III, P. 86)	1935	925.4	1935	925.4	15.3	2,263.2	1,337.8	145	81.2	4	
THIRD POWER PLANT	1966	390.0	1966	390.0		530.0	140.0	36			
DRAINAGE AND MINOR CONSTRUCTION PROJECTS:											
ALL AMERICAN CANAL SYSTEM, CA	1928	38.5	1947	56.6		64.5	7.9	14	7.2-	10-	
BOISE PROJECT, PAYETTE DIVISION	06/76	25.4	06/76	25.4		26.5	1.1	4			
GILA, AZ	1947	53.1	1947	53.1		77.8	24.7	47			
KENDRICK, WY	1935	26.4	1935	26.4		35.2	8.8	33	.2	1	
KLAMATH, CA AND OR (APP. III, P. 86)	1905	4.4	1945	10.5		30.2	19.7	188	1.6	6	13
PARKER-DAVIS, AR AND CA (APP. III, P. 86)	1941	68.8	1941	68.8		161.6	92.8	135			
SAN ANGELO, TX	1957	32.2	1957	32.2		30.2	2.0-	6-			
WASHITA, OK	1956	40.6	1956	40.6		30.5	10.1-	25-			

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DEPARTMENT OF THE INTERIOR:											
(CONT.)											
BUREAU OF RECLAMATION: (CONT.)											
DRAINAGE AND MINOR CONSTRUCTION PROJECTS:											
(CONT.)											
WASHOE, CA AND NV (APP. III, P. 86)	1958	52.0	1958	52.0		128.6	76.6	147	9.3	8	13
FRYINGPAN ARKANSAS PROJECT (WATER CONTROL), CO	1962	170.0	1974	501.0	.5	544.6	43.6	9	13.5-	2-	
MOUNTAIN PARK PROJECT (WATER CONTROL), OK	1968	20.0	1968	26.0		39.3	13.3	51			
NAVAJO INDIAN IRRIGATION PROJECT, NM	1970	206.0	1970	206.0	.2	377.3	171.3	83			
NUECES RIVER PROJECT (WATER CONTROL), TX	01/74	65.0	01/74	65.0	20.3	87.8	22.8	35			
PACIFIC N.W. -PACIFIC S.W. IN- TERTIE (TRANSMISSION LINES), A7, CA AND NV (APP. III, P. 86)	1964	130.6	1964	130.6		401.9	271.3	208	27.1	7	
PALMETTO BEND 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		25.4			.8-	3-	
ROSTWICK DIVISION, KS AND NE	1972	50.8	1972	50.8		57.0	6.2	12			
FARWELL UNIT, NE	1972	36.4	1972	36.4		39.2	2.8	8			

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		57.4			1.3	2
NORTH LOUP DIVISION, NE	10/72	79.5	10/72	79.5		135.6	56.1	71	10.2	8
O'NEILL UNIT, NE	10/72	113.3	10/72	113.3		189.5	76.2	67	11.8	7
POLLOCK-MERREID UNIT, SD	03/76	26.0	03/76	26.0		30.0	4.0	15	1.8	6
YELLOWTAIL UNIT, MT AND WY	08/72	90.8	08/72	90.8		100.9	10.1	11	6.2	7
PICK-SLOAN MISSOURI RIVER BASIN PROGRAM:										
GARRISON DIVERSION UNIT, ND AND SD (APP. III, P. 86)	08/65	207.0	08/65	207.0	.2	612.6	405.6	196	46.9	8
SHOSHONE EXTENSION UNIT, POLECAT RENCH AREA, WY	03/76	46.0	03/76	46.0		52.4	6.4	14	2.9	6
TRANSMISSION DIVISION, VARIOUS	08/72	384.4	08/72	384.4	20.0	414.0	29.6	8	25.0	6
SOUTHERN NEVADA WATER PROJECT (DRAINAGE), NV (APP. III, P. 87)	1965	81.0	1965	81.9	22.6	172.7	90.8	111	8.3	5
TFTON BASIN, LOWER TETON DIVISION (WATER CONTROL), ID	1964	52.0	1964	52.0		102.4	50.4	97		
TUALATIN PROJECT (WATER CONTROL), OR (APP. III, P. 87)	1966	20.9	1966	20.9	2.1	54.8	33.9	162	.3-	1-
UPPER COLORADO RIVER STORAGE PROJECT:										
CENTRAL UTAH PARTICIPATING PROJECT, BONNEVILLE UNIT, UT	1972	420.4	1972	420.4		838.1	417.7	99	64.1	8
CENTRAL UTAH PARTICIPATING PROJECT, JENSEN UNIT, UT (APP. III, P. 87)	1972	11.2	1972	11.2		37.9	26.7	238	1.8	5

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DEPARTMENT OF THE INTERIOR:												
(CONT.)												
BUREAU OF RECLAMATION: (CONT.)												
UPPER COLORADO RIVER STORAGE PROJECT: (CONT.)												
CENTRAL UTAH PROJECT, RECREATION FISH & WILDLIFE FOR BONNEVILLE (APP. III, P. 87)	1972	20.0	1972	20.0		66.3	46.3	231	2.9	5		
DALLAS CREEK, CO	1968	40.8	1968	40.8		51.0	10.2	25	5.1	11		
DOLORIS, CO (APP. III, P. 87)	1968	53.0	1968	53.0		199.5	146.5	276	13.2	7		
LYMAN, UT-WY (APP. III, P. 87)	1972	15.4	1972	15.4		31.7	16.3	106	3.5	12		
SAN JUAN-CHAMA PARTICIPATING PROJECT	1962	85.8	1962	85.8		95.3	9.5	11				
TRANSMISSION DIVISION	1972	220.3	1972	220.3		246.5	26.2	12	25.4-	9-		
SUB TOTAL		6,738.8		7,122.3	252.5	13,803.7	6,681.4		882.3			
NATIONAL PARK SERVICE:												
NATIONAL HISTORIC SITES:												
JEFFERSON MEM. MO	1956	43.5	1956	43.5		43.5					01	
SAN JUAN, PR	1974	34.9	1974	34.9		36.0	1.1	3	3.2-	8-	02	
NATIONAL HISTORICAL PARKS:												
C & O CANAL, MD, WV AND DC	1971	51.4	1972	62.0		73.1	11.1	18	2.2	7		
INDEPENDENCE, PA	1967	24.1	1967	24.1		39.0	14.9	62	2.9-	7-	02	

## NATIONAL LAKESHORES:

INDIANA DUNES, IN	1966	5.8	1974	54.1	50.0	6.1-	11-	2.0-	4-	
PICTURED ROCKS, MI	07/72	27.6	07/72	27.6	27.6					01
SLEEPING BEAR DUNES, MI	1970	18.8	1974	87.3	49.5	37.8-	43-	.4-	1-	

## NATIONAL MONUMENTS:

RADLANDS, SD	07/60	28.5	07/60	28.5	28.5					01
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## NATIONAL PARKS:

BIG BEND, TX	07/60	35.4	07/60	35.4	35.4					01
GLACIER, MT	1967	33.5	1967	33.5	59.3	25.8	77	.3-	1-	02
GRAND CANYON, AZ	1967	44.2	1967	44.2	78.9	34.7	79	8.2	12	02
GREAT SMOKY MOUNTAINS, TN AND NC	1967	77.5	1967	117.6	47.8	69.8-	59-	77.4-	62-	
LASSEN VOLCANIC, CA	07/60	28.0	07/60	28.0	28.0					01
MOUNT RAINIER, WA	1967	31.2	1967	31.2	34.0	2.8	9	1.8-	5-	02
NORTH CASCADES, WA	1968	35.3	1968	35.3	36.0	.7	2	2.2	7	
ROCKY MOUNTAIN, CO	1967	33.7	1967	33.7	35.7	2.0	6	9.7	37	02
SFUOIA & KINGS CANYON, CA	1967	28.2	1967	28.2	47.2	19.0	67	4.7-	9-	02
YELLOWSTONE, MT, WY AND ID (APP. III, P. 87)	1967	105.1	1967	105.1	287.3	182.2	173	167.1	139	02
YOSEMITE, CA (APP. III, P. 87)	1967	34.9	1967	34.9	128.6	93.7	268	16.4	15	02

## NATIONAL RECREATION AREAS:

BIGHORN CANYON, MT (APP. III, P. 87)	1966	11.8	1969	24.3	54.3	30.0	123	1.7	1	
GATEWAY, NJ AND NY	1972	92.8	1972	92.8	109.2	16.4	18	25.6-	19-	
GLEN CANYON, AZ AND UT	1967	33.1	1967	33.1	32.6	.5-	2-	7.5-	19-	02
GOLDEN GATE, CA	1972	58.0	1972	58.0	58.0					
LAKE MEAD, AZ AND NV	1968	32.2	1968	32.2	48.7	16.5	51	4.9	11	02

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT SEPTEMBER 30, 1978  
(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.)											
NATIONAL PARK SERVICE: (CONT.)											
NATIONAL SCENIC RIVERWAYS:											
OZARK, MO	07/66	25.3	07/66	25.3		25.3					01
NATIONAL SEASHORES:											
GULF ISLAND, FL, MS	07/73	34.3	07/73	34.3		34.3					01
NATIONAL VISITOR CENTER, WASHINGTON, DC	1968	87.5	10/74	109.1		109.6	.5				
PARKWAYS:											
BLUE RIDGE, VA, NC AND GA	1968	175.6	1968	175.6		111.9	63.7-	36-	180.6-	62-	02
G. W. MEMORIAL, VA AND MD	1967	46.9	1967	46.9		37.9	9.0-	19-	.1-		02
NATCHEZ TRACE, MS, TN AND AL	1967	111.6	1967	111.6		214.2	102.6	92	87.9-	29-	02
SUB TOTAL		1,430.7		1,634.3		2,001.4	367.1		182.0-		
AGENCY TOTAL		8,169.5		8,756.6	252.5	15,805.1	7,048.5		700.3		
DEPARTMENT OF THE TREASURY:											
INTERNAL REVENUE SERVICE:											
EQUIPMENT REPLACEMENT AND EN- HANCEMENT PROGRAM	03/78	210.0	03/78	210.0		210.0					01



## DEPARTMENT OF TRANSPORTATION:

## FEDERAL AVIATION ADMINISTRATION:

## FACILITIES AND EQUIPMENT:

FLIGHT SERVICE STATION AUTOMATION	11/75	257.5	11/75	257.5	212.0	45.5-	18-	96.1-	11-
FRANGIBLE APPROACH LIGHT TOWERS	11/74	32.0	08/75	43.0	77.7	34.7	81	34.7	81
LONG RANGE RADARS (ARSH-3 PROGRAM)	08/69	59.4	02/74	80.1	69.7	10.8-	13-	10.8-	13-
UPGRADE AUTOMATED RADAR TER- MINAL SYSTEM III (ARTS III) TO ARTS IIIA	09/78	73.4	09/78	73.4	73.4				01
VOR/VORTAC REPLACEMENT PRO- GRAM	06/76	104.0	12/76	104.0	111.1	7.1	7		01

## GRANTS-IN-AID FOR AIRPORTS:

AIRPORT DEVELOPMENT AID PRO- GRAM (ADAP) MULTI YEAR GRANT FOR ANCHORAGE INTERNA- TIONAL AIRPORT, ALASKA	06/77	35.0	06/77	35.0	35.0				
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## RESEARCH AND DEVELOPMENT:

HFACON COLLISION AVOIDANCE SYSTEM	08/78	37.5	08/78	37.5	37.5				01
DISCRETE ADDRESS HFACON SYSTEM/INTERMITTENT POSITIVE CONTROL	03/76	65.6	03/76	65.6	76.0	10.4	16	3.3	5
MICROWAVE LANDING SYSTEM	04/72	91.0	04/72	91.0	112.6	21.6	24	2.4	7

SUB TOTAL		755.4		787.1	804.6	17.5		66.7-	
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## FEDERAL HIGHWAY ADMINISTRATION:

DARIEN GAP HIGHWAY (APP. III, P. 87)	12/70	150.0	12/70	150.0	125.0	375.0	225.0	150	90.0	32
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ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT SEPTEMBER 30, 1978  
(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 TRANSPORTATION:											
(CONT.)											
FEDERAL HIGHWAY ADMINISTRATION:											
(CONT.)											
EMERGENCY RELIEF PROGRAM:											
WV (US-50A) - BRIDGE REPLACEMENT AT ST. MARY'S OVER OHIO RIVER	1971	30.5	1973	30.5		29.2	1.3-	4-	.3	1	
INTERSTATE HIGHWAY SYSTEM (APP. III, P. 87)	1958	37,570.0	1958	37,570.0	12,235.0	113,955.0	76,385.0	203	7,482.0	7	
SUB TOTAL		37,750.5		37,750.5	12,360.0	114,359.2	76,608.7		7,572.3		
FEDERAL RAILROAD ADMINISTRATION:											
NORTHEAST RAIL REMEDIATION	1975	1,900.0	02/76	1,900.0	150.0	1,900.0			80.0	4	
U.S. COAST GUARD:											
BOAT REPLACEMENT PROGRAM-SFARCH AND RESCUE BOATS	03/74	36.3	03/74	36.3		45.7	9.4	26	6.3	16	
HIGH ENDURANCE/MEDIUM ENDURANCE CUTTER REPLACEMENT	02/76	318.5	02/76	318.5		540.5	222.0	70	231.1	75	
LORAN C-NATIONAL IMPLEMENTATION PLAN	03/75	51.5	03/75	51.5		73.7	22.2	43	13.2	27	
MEDIUM RANGE SURVEILLANCE AIRCRAFT (APP. III, P. 87)	03/74	83.3	03/74	83.3		347.2	263.9	317	15.9-	4-	
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		95.8	33.8	55	11.0	13	

SHORT-RANGE RECOVERY HELICOPTERS	02/77	172.2	02/77	172.2		193.0	20.8	12	20.8	12	
SUB TOTAL		848.8		848.8		1,420.9	572.1		266.5		
URBAN MASS TRANSPORTATION ADMINISTRATION:											
DEVELOPMENT & DEMONSTRATION PROJECTS:											
ADVANCED GROUP RAPID TRANSIT SYSTEM	02/76	100.0	02/76	100.0		100.0			56.5	130	13
URBAN RAPID RAIL VEHICLES & SYSTEMS PROGRAM	04/72	44.0	04/72	44.0		44.0			2.7-	6-	13
MASS TRANSIT GRANTS:											
CHICAGO RAPID TRANSIT AUTHORITY-SUBURBAN COMMUTER RAIL REHABILITATION PROGRAM (IL-03-0065)	09/77	58.4	09/77	58.4	11.7	58.4			28.2	93	13
CHICAGO S. SUBURBAN MASS TRANSIT DISTRICT - RAIL CARS, STATIONS & TERMINUS (IL-03-0023)	01/73	38.3	01/73	38.3	11.5	38.3					
CHICAGO TRANSIT AUTH-SYSTEM WIDE MODERNIZATION-PHASE 1 (IL-03-0024)	09/78	132.8	09/78	132.8	26.6	132.8					01
CHICAGO TRANSIT AUTH-SYSTEM WIDE MODERNIZATION-PHASE 2 (IL-03-0066)	09/78	35.9	09/78	35.9	7.2	35.9					01
CHICAGO TRANSIT AUTHORITY - 300 NEW CARS (IL-03-0068)	09/78	78.3	09/78	78.3	15.7	78.3					01
CHICAGO TRANSIT AUTHORITY - BUSES, RAIL CARS & RELATED EQUIPMENT (PHASE II) (IL-03-0040)	06/74	184.7	06/74	184.7	40.8	207.5	22.8	12			
CHICAGO TRANSIT AUTHORITY - O'HARE EXTENSION (IL-03-0046)	09/78	150.0	09/78	150.0	30.0	150.0					01

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT SEPTEMBER 30, 1978  
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE DATE	AMOUNT	DATE	BASELINE ESTIMATE AMOUNT	CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE AMOUNT	%	YEARLY CHANGE AMOUNT	%	NOTES
					NON-FEDERAL SHARE	TOTAL AMOUNT					
DEPARTMENT OF TRANSPORTATION: (CONT.)											
URBAN MASS TRANSPORTATION ADMINISTRATION: (CONT.)											
MASS TRANSIT GRANTS: (CONT.)											
CHICAGO TRANSIT AUTHORITY- TY-CTA REMEDIATION PRO- GRAM (IL-03-0062)	09/76	60.0	09/76	60.0	12.0	60.0			8.6	17	13
CITY & COUNTY OF SAN FRANCISCO - SUBWAY, SURFACE RAIL CAR SYSTEM & RELATED FACILITIES (CA-03-0043)	10/71	46.0	10/71	46.0	22.6	84.4	38.4	83			
CITY & COUNTY OF SAN FRANCISCO ADDITIONAL VEHI- CLES & SYSTEMS IMPROVEMENTS (CA-03-0078)	06/74	50.5	06/74	50.5	10.1	50.5			6.3	14	13
CLEVELAND RAPID TRANSIT AUTHORITY IMPROVEMENT PRO- GRAM, CLEVELAND, OHIO (OH-03-0054)	01/77	125.6	01/77	125.6	25.1	125.6			.6		
COMM OF MAINE-S SHORE MBTA RED LINE TO S BRAintree EXT (FED AID URBAN SYS INT HWY SUR) (MA-23-9001)	10/74	28.8	10/74	28.8	11.3	56.7	27.9	97			
CONNECTICUT DEPT. OF TRANSPORTATION-ACQUISITION OF RUSES (CT-03-0016)	02/76	36.9	02/76	36.9	10.2	36.9					
DADE COUNTY-CONSTRUCT RAPID TRANSIT SYSTEM (FL-03-0036)	05/78	632.0	05/78	632.0	124.0	632.0					01

DELAWARE RIVER PORT AUTH OF PA & NJ-WOODCREST STATION, CARS & EQUIP (IT-03-0010)	06/73	34.9	06/73	34.9	15.5	54.4	19.5	56	01
DENVER REGIONAL TRANSIT DISTRICT-RHS SYSTEM IMPROVEMENTS (CO-03-0010)	04/78	58.0	04/78	58.0	11.6	58.0			
GOLDEN GATE BRIDGE HWY 4 TRANSP DIST.-BUSES, FERRIES & COMMUNICATIONS EQUIP. (CA-03-0036)	12/71	51.2	12/71	51.2	15.8	54.3	3.1	6	
ILLINOIS REGIONAL TRANSPORTATION AUTHORITY - COMPUTER CARS & LOCOMOTIVES (IL-03-0049)	03/76	41.8	03/76	41.8	9.3	44.7	4.9	12	
MARYLAND DEPT. OF TRANSPORTATION - CONSTRUCT BALTIMORE RAPID RAIL SYSTEM (MD-03-0004)	10/72	656.0	10/72	656.0	148.8	721.5	65.5	10	
MASS. BAY TRANSP AUTH-ORANGE LINE RELOCATION (MA-23-9007)	07/78	669.0	07/78	669.0	126.0	669.0			01
MASS. BAY TRANSP AUTH-RAPID TRANSIT CARS & EQUIP (FED AID URBAN SYS INT HWY SUB) (MA-23-9002)	06/75	53.4	06/75	53.4	15.7	76.7	23.3	44	
MASS. BAY TRANSP AUTH-RED LINE-ALEWIFE EXTENSION (MA-23-9008)	09/78	309.0	09/78	309.0	61.8	309.0			01
MASS. BAY TRANSP AUTH-S. COVE TUNNEL (FED AID URBAN SYSTEMS-INT. HWY SUBSTITUTION) (MA-23-9005)	04/76	36.3	04/76	36.3	6.7	33.7	2.6-	7-	
MASSACHUSETTS BAY TRANSP AUTH. S. QUINCY RAPID TRANSIT STATION & RELATED PARKING FACILITIES (MA-03-0049)	06/76	26.3	06/76	26.3	5.3	26.3			
MASSACHUSETTS BAY TRANSPORTATION AUTHORITY - UPGRADE GREEN LINE (MA-03-0015)	02/72	49.6	02/72	49.6	9.9	49.6			13

ESTIMATED COST DATA COMPARISON  
 FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
 AT SEPTEMBER 30, 1978  
 (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.)											
MASSACHUSETTS BAY TRANSPORTATION AUTHORITY VEHICLES FOR GREEN LINE (MA-03-0022)	09/72	49.2	09/72	49.2	18.3	58.7	9.5	19			
MASSACHUSETTS BAY TRANSPORTATION AUTHORITY-POWER SYSTEM MODERNIZATION (MA-03-0019)	09/78	59.1	09/78	59.1	11.8	59.1					01
METROPOLITAN ATLANTA RAPID TRANSIT DISTRICT - SUBWAY, PHASE A (GA-03-0008)	06/73	1,000.0	06/73	1,000.0	200.0	1,000.0					
MISSISSIPPI RIVER BRIDGE AUTHORITY - FERRIES & TERMINAL (LA-03-0012)	02/74	26.5	02/74	26.5	5.1	25.5	1.0-	4-			
MUNIC OF METRO SEATTLE-TROLLEYS, MOTOR COACHES & FACILITIES (WA-03-0016)	05/74	122.1	05/74	122.1	24.4	122.1			9.3	8	13
NEW JERSEY DEPT OF TRANSP-- NEW CARS & ELECTRIFICATION, GTC NY & LB (CONRAIL) (NJ-03-0006)	03/77	137.5	03/77	137.5	27.5	137.5					
NEW JERSEY DEPT. OF TRANSPORTATION - BUY BUSES (NJ-03-0015)	01/75	47.3	01/75	47.3	15.0	75.0	27.7	59			

NEW JERSEY DEPT. OF TRANSPORTATION-REHABILITATE ERIE LACAWANNA LINE & BUY RAIL CARS (NJ-03-0014)	12/74	307.4	12/74	307.4	62.2	311.0	3.6	1		
NEW YORK CITY TRANSIT AUTHORITY-ARCHER AVF SURWAY CONST (SEC 243) (NY-03-0051)	06/74	257.7	06/74	257.7	96.5	339.3	81.6	32		
NEW YORK CITY TRANSIT AUTHORITY - BUSES AND FACILITIES (NY-23-0001)	06/74	47.3	06/74	47.3	14.3	47.3				
NEW YORK CITY TRANSIT AUTHORITY-CAPITAL IMPROVEMENTS TO EXISTING ROUTES (NY-03-0095)	03/76	404.8	03/76	404.8	81.0	404.8			91.7	29 13
NEW YORK CITY TRANSIT AUTHORITY-EAST 63 ST. CONSTRUCTION (NY-03-0045)	06/73	754.0	06/73	754.0	403.6	758.6	4.6	1		
NEW YORK CITY TRANSIT AUTHORITY-SUBWAY CAR PURCHASE (NY-03-0046)	03/72	213.5	03/72	213.5	71.3	213.5				
NEW YORK CITY TRANSPORTATION ADMINISTRATION - STATEN ISLAND FERRIES (NY-03-0017)	06/74	28.0	06/74	28.0	6.4	32.0	4.0	14		
NEW YORK METROPOLITAN TRANSIT AUTH - EXTENSION & REHAB OF LONG ISLAND RR (NY-03-0035) (APP. III, P. AA)	02/74	250.0	02/74	250.0	195.3	658.2	608.2	243		
NEW YORK METROPOLITAN TRANSIT AUTH-COMMUTER RAIL IMPROVEMENTS (NY-03-0096)	06/78	48.3	06/78	48.3	9.7	48.3				01
NEW YORK METROPOLITAN TRANSIT AUTH-IMPROVEMENTS TO LIRR AND PENN CENT RR (NY-03-0085)	11/75	35.0	11/75	35.0	7.0	35.0				
NEW YORK METROPOLITAN TRANSIT AUTH-IMPROVEMENTS TO NYC TRANSIT SYSTEM (NY-03-0086)	03/76	26.1	03/76	26.1	5.2	26.1				

ESTIMATED COST DATA COMPARISON  
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					NON-FEDERAL SHARE	NON-FEDERAL SHARE						
DEPARTMENT OF TRANSPORTATION: (CONT.)												
URBAN MASS TRANSPORTATION ADMINISTRATION: (CONT.)												
MASS TRANSIT GRANTS: (CONT.)												
NIAGARA FRONTIER TRANS AUTH- -MAIN ST. LIGHT RAIL RAPID TRANSIT (NY-03-0072)	09/78	449.0	09/78	449.0	89.0	89.0	449.0					01
PHILADELPHIA - COMMUTER TERMINAL, CENTER CITY COMMUTER CONNECTION & STATION (PA-03-0013)	06/75	300.0	06/75	300.0	60.0	60.0	300.0					
PHILADELPHIA - HIGH SPEED LINE TO AIRPORT (PA-03-0043)	06/74	44.2	06/74	44.2	13.8	13.8	68.8	24.6	56			
PHILADELPHIA DEPT OF PUBLIC PROP-RELOCATE PORTION OF FRANKFORD ELEV. STRUCT. (PA-03-0036)	10/72	28.9	10/72	28.9	7.7	7.7	28.8	.1-				
PORT AUTH TRANSIT-CONSTRUC- TION OF EAST & SOUTH RUSWAYS (PA-03-0012)	12/77	125.8	12/77	125.8	25.2	25.2	125.8					01
S. CALIFORNIA RAPID TRANSIT DISTRICT - PURCHASE PROPERTY AND REHABILITATE BUSES (CA-03-0090)	06/74	36.1	06/74	36.1	8.1	8.1	40.7	4.6	13			
S. CALIFORNIA RAPID TRANSIT DISTRICT-BUS SYSTEM IMPROVE- MENT (CA-03-0132)	02/78	47.3	02/78	47.3	9.5	9.5	47.3			5.3	13	13



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S.E. MICHIGAN TRANSPORTATION AUTHORITY - BUSES & SUPPORT EQUIPMENT (MI-03-0030)	12/74	26.9	12/74	26.9	4.9	25.6	1.3-	5-		
S.E. PENNSYLVANIA TRANSP AUTH-PHILADELPHIA, BUSES & RELATED EQUIP (PA-03-0032)	03/72	36.5	03/72	36.5	15.3	52.1	15.6	43		
S.E. PENNSYLVANIA TRANSP AUTH-COMMUTER RAIL PROJ-SYS- TFM WIDE IMPROVEMENTS (PA-23-9001)	09/78	142.9	09/78	142.9	28.6	142.9			65.2	86
S.E. PENNSYLVANIA TRANSPOR- TATION AUTHORITY - BROAD STREET SUBWAY CARS (PA-23-9002)	09/78	43.4	09/78	43.4	9.5	43.4				01
S.E. PENNSYLVANIA TRANSPORTATION AUTHORITY-MODERNIZATION PHASE II (PA-03-0062)	04/76	33.3	04/76	33.3	6.4	32.1	1.2-	4-		
TWIN CITIES AREA METROPOLI- TAN TRANSIT COMM-NFW BUSES FOR CAP. IMPROVEMENT PROG (MN-03-0005)	03/72	25.6	03/72	27.1	9.0	27.1				
TWIN CITIES AREA METROPOLI- TAN TRANSIT COMM-ST. PAUL, BUSES & EQUIP (MN-03-0012)	06/74	29.5	06/74	29.5	5.7	28.3	1.2-	4-		
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY - BUS SYSTEM (IT-03-0019)	01/73	106.2	01/73	106.2	35.9	106.2				
SUR TOTAL		9,077.1		9,078.6	2,368.0	10,060.6	982.0		268.9	
AGENCY TOTAL		50,331.8		50,365.0	14,878.0	128,545.3	78,180.3		8,121.0	
DISTRICT OF COLUMBIA GOVERNMENT:										10
D. C. UNIVERSITY:										
FEDERAL CITY COLLEGE	1974	128.9	03/77	69.7	69.7	69.7				13
WASHINGTON TECHNICAL INSTITUTE	1968	111.0	03/77	69.9	69.9	69.9			2.5	4
SUR TOTAL		239.9		139.6	139.6	139.6			2.5	
MUNICIPAL OFFICE BUILDING	1977	35.0	1977	35.0	35.0	35.0				

APPENDIX II

APPENDIX II

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT SEPTEMBER 30, 1978  
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE	YEARLY CHANGE AMOUNT	MOTFS
	DATE	AMOUNT	DATE	AMOUNT			
DISTRICT OF COLUMBIA GOVERNMENT: (CONT.)							
TRUNK WATER MAINS SPECIAL PRO- JECT	1967	40.0	03/78	44.1	44.1	.8	10
WASHINGTON AQUEDUCT:							
MCHILLIAN WATER TREATMENT PLANT REPLACEMENT	1972	33.5	1972	33.5	36.5	3.0	9
WASHWATER AND BASIN SLUDGE DISPOSAL	1977	27.0	1977	27.0	27.0		
SUB TOTAL		60.5		60.5	63.5	3.0	
WASHINGTON CIVIC CENTER	06/78	109.0	09/78	98.7	98.7		01
AGENCY TOTAL		494.4		377.9	380.9	3.0	01.12
ENVIRONMENTAL PROTECTION AGENCY:							
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS:							
ALABAMA:							
MONTGOMERY (NEW CATOMA WASTEWATER TREATMENT PLANT)	12/77	28.8	12/77	28.8	28.8		
ARKANSAS:							
HOT SPRINGS STP	06/73	19.2	06/73	19.2	28.2	9.0	47
CALIFORNIA:							
CONTRA COSTA COUNTY (EAST) (DIST #7A REGIONAL SYSTEM)	09/78	40.4	09/78	40.4	41.2	.8	2
CONTRA COSTA COUNTY (WEST) (W. CONTRA COSTA WATER MGMT)	09/78	26.3	09/78	26.3	27.8	1.5	6

EAST BAY DISCHARGERS AUTHORITY (FAIRFIEDE FACILITY)	04/78	141.2	04/78	141.2	34.6	138.6	2.6-	2-		
FAIRFIELD (FAIRFIELD TREATMENT & DISPOSAL FACILITIES)	06/73	9.3	08/74	18.2	6.1	27.1	8.9	49		
FRESNO (FRESNO REGIONAL FACILITY)	06/73	18.0	01/75	32.2	8.4	331.8	1.6	5		
HUMBOLDT BAY WASTEWATER AUTHORITY (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	131.5	06/78	131.5	28.0	113.3	18.2-	14-		
ORANGE COUNTY SANITARY DISTRICT (PLANTS NO. 1&2)	08/78	104.9	08/78	104.9	22.4	89.4	15.5-	15-		
OXNARD (OXNARD WTP)	02/74	26.0	11/75	26.5	7.4	25.8	.7-	3-	10.5-	29-
SACRAMENTO REGIONAL COUNTY SANITATION DISTRICT (SACRAMENTO REGIONAL TREATMENT FACILITY)	04/74	226.1	01/78	293.6	90.9	363.7	70.1	24		
SAN FRANCISCO CITY & COUNTY (CITYWIDE FACILITIES)	09/78	250.1	09/78	250.1	41.9	160.9	89.2-	36-		
SANTA BARRARA (SANTA BARRARA WATER RECLAMATION PLANT)	04/74	29.6	09/77	30.3	7.8	31.7	1.4	5		
SANTA ROSA (SANTA ROSA TREATMENT PLANT)	12/77	41.8	12/77	41.8	11.2	44.8	3.0	7		
TAHOE-TRUCKEE SANITATION AGENCY (TAHOE-TRUCKEE WTP)	02/73	28.4	09/78	33.9	8.2	32.9	1.0-	3-		
COLORADO:										
METROPOLITAN DENVER SEWAGE DISPOSAL DISTRICT #1	03/74	80.6	03/74	80.6	39.9	78.1	2.5-	3-		
CONNECTICUT:										
BRIDGEPORT (WEST-SIDE STP)	08/77	56.1	08/77	56.1	18.5	60.1	4.0	7		
GROTON (GROTON STP)	09/77	19.8	09/77	19.8	12.3	26.1	6.3	32	.5-	2-

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ENVIRONMENTAL PROTECTION AGENCY: (CONT.)											01.12
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)											02
CONNECTICUT: (CONT.)											
MATTABASSETT SEWER DISTRICT, BERLIN, CROMWELL, NEW BRITAIN, MIDDLETOWN (MATTABASSETT SD STP)	09/77	20.9	09/77	20.9	12.6	24.9	4.0	19	1.1-	4-	
METROPOLITAN DISTRICT COMMISSION-HARTFORD	08/77	34.9	08/77	34.9	17.2	33.4	1.5-	4-			
NEW HAVEN, EAST HAVEN, HAMDEN (NEW HAVEN-EAST SHORE STP)	09/77	63.1	09/77	63.1	16.8	56.9	6.2-	10-	1.0	2	
NEW LONDON, WATERFORD (NEW LONDON STP)	03/76	43.8	03/76	43.8	11.2	41.6	2.2-	5-			
NORWALK, WILTON (NORWALK STP)	09/77	28.8	09/77	28.8	10.2	32.7	3.9	14			
STRATFORD (STRATFORD STP)	03/77	31.9	03/77	31.9	8.9	34.6	2.7	8			
WATERBURY, MIDDLEBURY, WALCOTT, WATERTOWN (WATERBURY STP)	09/77	23.0	09/77	23.0	9.7	25.7	2.7	12			
DELAWARE:											
DOVER, SMYING, MILFORD, NEW CASTLE CO, KENT CITY (KENT COUNTY REGIONAL STP)	09/78	27.1	09/78	27.1	9.1	27.0	.1-				
SUSSEX COUNTY (SOUTH CENTRAL REGIONAL STP)	06/76	15.4	06/76	15.4	6.6	27.2	11.8	77			

WILMINGTON, NEW CASTLE COUNTY (WILMINGTON STP)	09/77	66.6	09/77	66.6	31.9	105.4	78.8	5A		
DISTRICT OF COLUMBIA:										
DISTRICT OF COLUMBIA WSSC, MD; FAIRFAX COUNTY, VA - (BLUE PLAINS)	06/78	515.7	06/78	515.7	150.6	514.6	1.1-			
FLORIDA:										
BROWARD COUNTY (NORTH BROWARD REGIONAL STP)	08/77	85.5	08/77	85.5	35.9	103.5	18.0	21	18.0	21
FT. LAUDERDALE (PORT EVERGLADES STP)	03/78	23.1	03/78	23.1	6.3	25.1	2.0	9		
HOLLYWOOD (REGIONAL STP)	12/77	28.8	12/77	28.8	10.0	29.9	1.1	4	1.1	4
JACKSONVILLE (ARLINGTON-EAST DISTRICT STP)	12/76	38.1	12/76	38.1	11.9	47.5	9.4	25		
JACKSONVILLE (BUCKMAN ST STP)	06/73	68.1	06/73	68.1	50.6	71.8	3.7	5		
MIAMI-DADE (NORTH DADE STP)	09/78	128.7	09/78	128.7	32.2	127.7	1.0-	1-		
MIAMI-DADE (SOUTH DADE STP)	06/77	83.6	06/77	83.6	20.9	84.5	.9	1		
MIAMI-DADE (VIRGINIA KEY STP)	06/77	78.5	06/77	78.5	19.6	78.5				
ORLANDO (IRON BRIDGE ROAD STP)	08/77	50.4	08/77	50.4	13.0	52.0	1.6	3		
PENSACOLA (MAIN STREET STP)	09/78	60.6	09/78	60.6	15.7	62.8	2.2	4		
ST. PETERSBURG (NORTHEAST WTP)	06/75	25.0	06/75	25.0	6.3	25.0				
TAMPA (HOOKERS POINT AWT)	06/77	73.9	06/77	73.9	29.1	116.3	42.4	57		
WEST PALM BEACH, RIVERA BEACH, LAKE WORTH (REGIONAL STP)	11/75	77.7	11/75	77.7	23.0	74.7	3.0-	4-	4.0-	5-
GEORGIA:										
ATLANTA (R M CLAYTON STP)	06/73	43.1	06/73	43.1	15.1	50.5	7.4	17		
ATLANTA (THREE RIVERS PROJECT)	10/77	57.7	10/77	57.7	14.7	58.7	1.0	2		

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ENVIRONMENTAL PROTECTION AGENCY: (CONT.)											01.12
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)											02
GEORGIA: (CONT.)											
CLAYTON COUNTY (FLINT RIVER & R L JACKSON STP)	06/78	32.3	06/78	32.3	11.4	45.7	13.4	41			
DEKALB COUNTY (POLE BRIDGE STP)	06/78	33.2	06/78	33.2	8.4	31.5	.3	1			
DEKALB COUNTY (SNAPPINGER CREEK WTF)	09/77	54.5	09/77	54.5	13.9	55.6	1.1	2			
HAWAII:											
HONOLULU. (HONOULIULI SYS- TEM)	12/73	52.0	09/78	87.5	16.9	65.7	21.8-	25-			
HONOLULU. (SAND ISLAND SYS- TEM)	12/73	69.4	08/78	63.8	22.5	73.3	9.5	15			
ILLINOIS:											
AURORA SANITARY DISTRICT	09/78	45.9	09/78	45.9	13.5	47.9	2.0	4			
GLEN ELLYN (GLENBARD STP)	05/78	45.2	05/78	45.2	11.4	45.5	.3	1			
MSD OF GREATER CHICAGO (CAL- UMET WATER RECLAMATION FA- CILITY)	09/78	183.5	09/78	183.5	50.3	201.2	17.7	10			
MSD OF GREATER CHICAGO (JOHN EGAN WATER RECLAMA- TION FACILITY)	08/75	91.3	08/75	91.3	44.5	99.9	8.6	9			

MSD OF GREATER CHICAGO (O'HARE WATER RECLAMATION FACILITY)	09/77	193.2	09/77	193.2	51.3	205.1	11.9	6	
MSD OF GREATER CHICAGO (WEST SOUTHWEST WATER RECLA- MATION FACILITY)	09/78	697.1	09/78	697.1	219.1	875.9	178.8	26	
NORTH SHORE SANITARY DIS- TRICT (CLAVEY ROAD STP) (APP. III, P. 88)	04/72	38.6	04/72	38.6	39.5	83.1	44.5	115	
NORTH SHORE SANITARY DIS- TRICT (GIRNEA STP) (APP. III, P. 88)	04/72	13.4	04/72	13.4	15.5	27.7	14.3	107	
NORTH SHORE SANITARY DIS- TRICT (WAIKEGAN STP)	04/72	22.4	04/72	22.4	22.6	44.2	21.8	97	
ROCKFORD SD (ROCKFORD SD STP)	10/77	50.2	10/77	50.2	10.2	40.9	9.3-	19-	
URBANA, CHAMPAIGN SD (NORTH- EAST STP)	09/77	37.4	09/77	37.4	10.3	37.3	.1-		1.5- 4-
INDIANA:									
BLOOMINGTON (BLOOMINGTON SEWAGE TREATMENT FACILITY)	09/77	27.4	09/77	27.4	5.9	23.8	3.6-	13-	
FORT WAYNE, LEO-CEDARVILLE RSD, MAYSVILLE RSD (FORT WAYNE SEWAGE TREATMENT FA- CILITIES)	05/77	28.9	05/77	28.9	11.1	43.2	14.3	49	
GARY SANITARY DIST., INDE- PENDENCE HILL CD, MERRILL- VILLE CD (GARY SD SEWAGE TREATMENT FAC.)	09/77	78.4	09/77	78.4	18.2	73.0	5.4-	7-	
INDIANAPOLIS (INDIANAPOLIS SOUTHPORT WASTEWATER TREAT- MENT FACILITIES)	07/78	152.4	07/78	152.4	37.8	151.2	1.2-	1-	
INDIANAPOLIS, GREENWOOD, LAWRENCE (INDIANAPOLIS BEL- MONT WASTE TREATMENT FACILI- TIES)	07/78	178.8	07/78	178.8	42.6	160.4	18.4-	10-	
IOWA:									
CEDAR RAPIDS	05/78	66.1	05/78	66.1	17.8	71.3	5.2	8	

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	ENVIRONMENTAL PROTECTION AGENCY: (CONT.)										
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)											
IOWA: (CONT.)											
DAVENPORT	12/75	40.2	12/75	40.2	11.8	47.2	7.0	17	1.0	2	01.12
KENTUCKY:											
CAMPBELL-KENTON COUNTIES SD#1 COVINGTON (DRY CREEK WWTP)	12/75	75.7	12/75	75.7	18.9	75.7					
LOUISVILLE - JEFFERSON COUNTY METROPOLITAN SEWER DISTRICT (WEST COUNTY WWTP)	01/74	101.9	09/77	76.3	19.1	76.3			21.8	40	
LOUISVILLE-JEFFERSON COUNTY MSD (MORRIS FOREMAN WTP)	06/76	66.7	06/76	64.7	31.3	70.7	6.0	9			
LOUISIANA:											
NEW ORLEANS (EAST BANK STP)	05/75	54.7	05/75	54.7	7.7	43.8	10.9	20	20.0	31	
SHREVEPORT (LUCAS STP)	01/73	19.0	01/73	19.0	6.5	26.1	7.1	37			
MAINE:											
PORTLAND (PORTLAND WWTF)	06/75	47.7	02/77	50.7	12.7	50.8	.1		2.6	5	
MARYLAND:											
BALTIMORE (PATAPSCO)	06/78	202.6	06/78	202.6	43.3	202.6					
BALTIMORE COUNTY (BLACK RIVER WWTP)	09/78	96.5	09/78	96.5	33.9	96.5					

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CHARLES COUNTY (MATTAWOMAN WATER POLLUTION CONTROL FACILITY)	09/77	27.8	09/77	27.8	27.1	44.8	17.0	61		
HOWARD COUNTY (SAVAGE WTP)	09/78	47.7	09/78	47.7	14.1	47.7				
WASHINGTON SUBURBAN SANITARY COMMISSION (PISCATWAY)	09/77	56.3	09/77	56.3	18.8	61.8	5.5	10		
WASHINGTON SUBURBAN SANITARY COMMISSION (WESTERN BRANCH)	09/77	33.1	09/77	33.1	8.3	33.2	.1		.1	
MASSACHUSETTS:										
ATTLEBORO (ATTLEBORO WWTF)	08/77	31.4	08/77	31.4	8.3	31.7	.3	1		
CHARLES RIVER POLLUTION CONTROL DISTRICT, MEDWAY, FRANKLIN	08/77	34.1	08/77	34.1	7.4	30.8	3.3-	10-	3.3- 10-	
GREATER LAWRENCE SANITARY DISTRICT, LAWRENCE, METHUEN (GREATER LAWRENCE SANITARY DISTRICT WWTF)	08/77	75.6	08/77	75.6	14.4	56.7	18.9-	25-	.4- 1-	
HAVERHILL, GROVELAND (HAVERHILL WWTF)	07/77	34.7	07/77	34.7	8.1	32.3	2.4-	7-		
LOWELL, CHELMSFORD, DRACUT, TEWKSBURY, TYNGSBOROUGH (LOWELL STP)	08/77	98.1	08/77	98.1	25.0	97.4	.7-	1-		
METROPOLITAN DISTRICT COMMISSION (NUT ISLAND STP)	08/77	30.7	08/77	30.7	11.7	31.8	1.1	4		
METROPOLITAN DISTRICT COMMISSION-BOSTON (DEER ISLAND STP)	06/78	103.6	06/78	103.6	37.8	110.0	6.4	6		
PALMER, MONSON, BELCHERTOWN (PALMER WWTF)	08/77	26.1	08/77	26.1	6.9	27.4	1.3	5		
SOUTH ESSEX SEWERAGE DISTRICT, BEVERLY, DANVERS, PEABODY, SALEM	09/78	74.4	09/78	74.4	27.0	75.9	1.5	2		

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ENVIRONMENTAL PROTECTION AGENCY: (CONT.)											01.12
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)											02
MASSACHUSETTS: (CONT.)											
SPRINGFIELD, WEST SPRING- FIELD, AGAWAM, LUDLOW, EAST LONGMEADOW, LONGMEADOW (SPRINGFIELD STP)	08/77	83.8	08/77	83.8	21.0	67.4	16.4-	20-	.8	1	
UPPER BLACKSTONE WATER POL- LUTION ABATEMENT DISTRICT, WORCESTER, AURURN	09/78	43.9	09/78	43.9	11.2	40.9	3.0-	7-			
MICHIGAN:											
RATTLE CREEK STP	02/78	37.0	02/78	37.0	12.1	49.5	11.5	31			
RAY CITY (RAY CITY POSA)	08/77	58.4	08/77	- 58.4	16.3	67.8	9.4	16	2.7	4	
DETROIT (DETROIT SERVICE AREA)	04/78	574.2	04/78	574.2	199.7	556.8	17.4-	3-	44.0-	7-	
FLINT, GENESEE COUNTY (FLINT METRO AREA)	01/78	104.5	01/78	104.5	31.9	127.6	23.1	22			
GRAND RAPIDS (GRAND RAPIDS POSA)	01/78	61.1	01/78	61.1	13.2	53.1	8.0-	13-			
JACKSON COUNTY (JACKSON COUNTY POSA)	01/78	67.9	01/78	67.9	19.6	72.8	4.9	7			
LANSING (LANSING WWTP)	06/73	24.0	06/73	24.0	8.2	32.9	8.9	37			
LYNWOOD SD #1 STP	12/77	48.3	12/77	48.3	15.1	60.3	12.0	25			
MONROE COUNTY	06/76	35.7	06/76	35.7	7.1	28.5	7.2-	20-			

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MONROSE DISTRICT #2 WWTP	08/72	43.4	08/72	43.4	21.7	48.3	4.9	11		
MUSKEGON COUNTY (MUSKEGON COUNTY METRO WASTE TREATMENT SYSTEM)	08/77	36.5	08/77	36.5	20.3	37.3	.8	2		
PONTIAC (PONTIAC STP)	03/75	26.4	03/75	26.4	6.2	24.7	1.7-	6-		
WASHTENAW COUNTY (MURON VALLEY)	09/77	107.6	09/77	107.6	30.3	121.2	13.6	13	13.6	11
WAYNE COUNTY (WYANDOTTE)	09/77	112.3	09/77	112.3	33.3	111.3	1.0-	1-		
MINNESOTA:										
METROPOLITAN SEWER BOARD OF THE TWIN CITIES AREA (BLUE LAKE STP)	09/78	28.8	09/78	28.8	12.9	30.5	1.7	6		
METROPOLITAN SEWER BOARD OF THE TWIN CITIES AREA (PIGS-EYE LAKE STP)	09/78	306.6	09/78	306.6	93.6	327.4	20.8	7		
WESTERN LAKE SUPERIOR SANITARY DISTRICT (WESTERN LAKE SUPERIOR WWTP)	09/78	100.1	09/78	100.1	26.7	106.6	6.5	6		
MISSISSIPPI:										
JACKSON (JACKSON WTP)	09/78	57.1	09/78	57.1	29.0	87.7	30.6	54		
MISSOURI:										
LITTLE BLUE RIVER SEWER DISTRICT, INDEPENDENCE	09/77	79.6	09/77	79.6	20.5	73.1	6.5-	8-		
METROPOLITAN ST. LOUIS SEWER DISTRICT (LEMAI WTP)	09/78	48.2	09/78	48.2	14.3	57.1	8.9	18		
SPRINGFIELD (SOUTHWEST TREATMENT PLANT)	12/72	25.7	12/72	25.7	10.4	41.5	15.8	61		
ST. JOSEPH, MO	06/77	16.4	06/77	16.4	7.8	31.1	14.7	90	1.7-	5-
NEBRASKA:										
OMAHA (PAPILLION CREEK WTP)	07/74	26.3	07/74	26.3	15.6	49.1	22.8	87		
NEVADA:										
CLARK COUNTY SANITATION DISTRICT, (CLARK COUNTY AWT)	12/75	75.4	12/75	75.4	27.1	65.9	9.5-	13-		

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ENVIRONMENTAL PROTECTION AGENCY: (CONT.)											01,12
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)											02
NEW HAMPSHIRE:											
MANCHESTER (MANCHESTER WWTF)	02/73	22.8	11/76	28.4	9.3	37.1	8.7	31	1.2	3	
NEW HAMPSHIRE WATER SUPPLY & POLLUTION CONTROL COMMISSION (WINNIPESAUKEE RIVER BASIN WWTF - FRANKLIN)	04/75	55.0	07/77	57.7	14.0	54.5	3.2-	6-			
NEW JERSEY:											
ATLANTIC CO SEWERAGE AUTH. GALLOWAY TOWNSHIP MUNICIPAL UTIL AUTH (ATLANTIC COUNTY SA COASTAL STP)	01/78	69.0	01/78	69.0	26.9	107.6	38.6	56			
BERGEN CO, CARLSTADT SA, E. RUTHERFORD SA (BERGEN COUNTY SA STP)	01/77	110.3	01/77	110.3	30.5	93.0	17.3-	16-			
ESSEX CO, UNION CO, ELIZABETH CITY (ESSEX UNION JOINT MEETING)	06/77	57.6	06/77	57.6	15.5	62.0	4.4	8			
MIDDLESEX CO, CRANBURY TOWNSHIP (MIDDLESEX COUNTY SA)	08/76	221.8	08/76	221.8	86.7	245.0	23.2	10			
OCEAN COUNTY SA, DOVER SA, LACEY TWP MUA, BEACHWOOD SA, MANTOLKING, OCEAN GATE (OCEAN COUNTY CENTRAL STP)	09/78	204.0	09/78	204.0	51.7	191.0	13.0-	6-	17.6	10	

OCEAN COUNTY SEWERAGE AUTH, BRICK TOWNSHIP, POINT PLEAS- ANT, BAY HEAD (OCEAN COUNTY SEWERAGE AUTHORITY NORTHERN)	02/76	151.9	02/76	151.9	38.0	152.1	.7	
OCEAN COUNTY SEWERAGE AUTH, (OCEAN COUNTY SEWERAGE AU- THORITY SOUTHERN STP AND FA- CILITIES)	08/77	71.8	08/77	71.8	24.6	98.5	26.7	37
PARSIPPANY/TROY HILLS TOWN- SHIP, MOUNTAIN LAKES (PAR- SIPPANY/TROY HILLS FACIL- ITIES)	02/77	70.2	02/77	70.2	19.4	77.8	7.6	11
PASSAIC VALLEY SEWERAGE COM- MISSION, NORTH MALEDON (PAS- SAIC SC STP)	08/77	409.7	08/77	409.7	104.6	415.0	5.3	1 .7
PFQUANNICK, LINCOLN PARK, FAIRFIELD SA (TWO BRID- GES SA STP)	09/77	64.7	09/77	64.7	17.6	70.2	5.5	9
ROCKAWAY VALLEY REGIONAL SA, DENVILLE TWP, RANDOLPH TWP MUN UTIL AUTH (ROCKAWAY VALLEY REGIONAL AUTH)	09/76	24.6	09/76	24.6	6.1	24.5	.1-	
SOUTH MONMOUTH REGIONAL SEW- ERAGE AUTH, BRIELLE, WALL TOWNSHIP (SOUTH MONMOUTH RE- GIONAL SA WWTP)	01/78	38.8	01/78	38.8	9.7	38.8		
STONY BROOK REGIONAL SA, HOPEWELL, PENNINGTON (STONY BROOK REGIONAL SA STP)	09/77	44.5	09/77	44.5	11.0	44.2	.3-	1-
NEW MEXICO:								
ALBUQUERQUE (SOUTHSIDE PLANT)	10/76	38.0	10/76	38.0	25.3	44.2	6.2	16
NEW YORK:								
ALBANY COUNTY SD	09/77	84.1	09/77	84.1	40.6	100.5	16.4	20
AMHERST TOWN BD (TOWN OF AM- HERST STP)	09/77	134.9	09/77	134.9	32.6	130.4	4.5-	3-
BUFFALO SA, CHEEKTOWAGA, ERIE CO SD (BUFFALO SA STP)	09/77	189.5	09/77	189.5	99.2	270.4	80.9	43

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	%	
ENVIRONMENTAL PROTECTION AGENCY: (CONT.)											01,12
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)											02
NEW YORK: (CONT.)											
CHAUTAGA LAKE SD (CHAUTAGA LAKE SD STP)	09/77	40.4	09/77	40.4	11.9	47.5	7.1	14	5.6	17	
COLONIE (TOWN OF COLONIE STP)	09/77	25.4	09/77	25.4	7.0	28.1	2.7	11			
ERIE COUNTY, HAMBURG (ERIE COUNTY/SOUTHTOWNS STP)	06/78	87.9	06/78	87.9	23.4	92.1	4.2	5			
GATES-CHILI-OGDEN SD (GATES-CHILI-OGDEN SD STP) (APP. III, P. 88)	10/69	10.9	10/69	10.9	12.8	28.5	17.6	161	1.5	6	
LEWISTON, PORTER (TOWN OF LEWISTON STP)	07/78	25.9	07/78	25.9	6.5	25.9					
NASSAU COUNTY (NASSAU COUNTY SD #3 STP)	09/77	535.9	09/77	535.9	227.8	689.0	153.1	29			
NEW YORK (26TH WARD STP) (APP. III, P. 88)	12/69	31.6	12/69	31.6	29.5	65.6	34.0	108			
NEW YORK (BOWFRY 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	219.9	09/77	219.9	178.6	399.2	179.3	82			
NEW YORK (OAKWOOD BEACH)	09/77	117.4	09/77	117.4	31.8	127.3	9.9	8			
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	153.2	09/77	153.2	39.2	156.8	3.6	2			

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. RH)	01/70	47.8	01/70	47.8	52.3	116.3	68.5	143
NIAGARA (NIAGARA COUNTY SD #1 STP)	09/77	92.9	09/77	92.9	25.8	103.4	10.5	11
NIAGARA FALLS (CITY OF NIAGARA FALLS STP)	03/73	63.2	03/73	63.2	15.8	63.2		
NORTH TONAWANDA (CITY OF NORTH TONAWANDA)	09/77	23.7	09/77	23.7	9.3	37.2	13.5	57
NORTH WESTERN QUADRANT PURE WATERS DISTRICT (NW QUADRANT PURE WD#1)	08/75	38.5	08/75	38.5	21.9	55.9	17.4	45
ONONDAGA (SYRACUSE METRO STP)	03/78	122.2	03/78	122.2	10.7	121.4	.8-	1-
ONONDAGA COUNTY (RALDWINS- VILLE-SENECA KNOLLS STP)	06/76	30.9	06/76	30.9	7.7	30.9		
ONONDAGA COUNTY (ONONDAGA COUNTY-OAK ORCHARD STP)	12/76	31.3	12/76	31.3	7.8	31.3		
PENNSELAER COUNTY SD, NORTH GREENBUSH, SAND LAKE (RENS- SELAER COUNTY SD)	09/77	72.6	09/77	72.6	14.9	59.6	13.0-	18-
ROCHESTER, IRONFOUIT BAY PURE WD (CITY OF ROCHESTER STP)	07/77	228.4	07/77	228.4	114.5	297.7	69.3	30
ROCKLAND COUNTY SD#1 (ROCK- LAND COUNTY SD#1 STP)	09/77	29.6	09/77	29.6	11.1	30.7	1.1	4
SARATOGA COUNTY SD #1 (SARA- TOGA COUNTY SD #1 STP)	09/77	63.1	09/77	63.1	14.5	57.9	5.2-	8-
SUFFOLK COUNTY (SUFFOLK COUNTY SOUTHWEST SD)	09/77	390.7	09/77	390.7	233.5	598.5	207.8	53
TONAWANDA, TOWN OF (TOWN OF TONAWANDA STP)	09/77	75.4	09/77	75.4	19.9	79.8	4.4	6
WESTCHESTER COUNTY (OSSIN- ING SD STP)	09/77	33.9	09/77	33.9	8.8	35.2	1.3	4
NORTH CAROLINA:								
CHARLOTTE (MCALPINE STP)	09/77	29.4	09/77	29.4	7.3	29.4		

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	ENVIRONMENTAL PROTECTION AGENCY: (CONT.)										
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)											
NORTH CAROLINA: (CONT.)											
CONCORD (ROCKY RIVER STP)	12/75	39.2	12/75	39.2	9.8	39.2					01.17
ROCKY MOUNT (ROCKY MOUNT STP)	06/77	21.9	06/77	21.9	6.3	25.3	3.4	16			02
OHIO:											
BUTLER COUNTY (UPPER MILL CREEK REGIONAL STP)	09/77	25.2	09/77	25.2	6.3	25.2					
CANTON (CANTON STP)	08/77	40.3	08/77	40.3	9.4	37.8	2.5-	6-			
CLEVELAND REGIONAL SEWER DISTRICT (CLEVELAND EASTERN STP)	08/77	30.8	08/77	30.8	6.8	27.3	3.5-	11-			
CLEVELAND REGIONAL SEWER DISTRICT (CLEVELAND SOUTHERN STP)	05/78	318.5	05/78	318.5	72.4	298.4	20.1-	6-			
CLEVELAND REGIONAL SEWER DISTRICT (CLEVELAND WESTERN STP)	04/78	142.3	04/78	142.3	34.6	119.0	23.7-	16-			
COLUMBUS (SOUTHERLY WWTP)	02/77	35.7	02/77	35.7	21.2	45.9	10.2	29			
HAMILTON COUNTY (LITTLE MIAMI STP)	09/77	71.7	09/77	71.7	25.6	102.6	30.9	43			
HAMILTON COUNTY (MILL CREEK STP)	06/73	51.0	06/73	51.0	36.9	69.4	18.4	36			
MEDINA COUNTY (SD #500 STP)	09/76	48.1	09/76	48.1	9.4	37.4	10.7-	22-	2.3	7	

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MONTGOMERY COUNTY (WESTERN REGIONAL STP)	08/75	30.0	08/75	30.0	8.5	33.9	3.9	13		
SUMMIT COUNTY (FISHCREEK TREATMENT PLANT)	09/77	34.8	09/77	34.8	8.8	35.1	.3	1	.3	1
SUMMIT COUNTY (SPRINGFIELD 91 STP)	12/75	39.3	12/75	39.3	9.8	39.3				
OKLAHOMA:										
OKLAHOMA CITY (NORTH CANADIAN WTP)	09/77	63.6	09/77	63.6	26.4	68.5	4.9	8		
OREGON:										
PORTLAND (COLUMBIA BLVD. STP)	09/77	52.7	09/77	52.7	21.4	52.6	.1-			
UNIFIED SEWERAGE AGENCY OF WASHINGTON COUNTY (DURHAM STP)	04/78	36.4	04/78	36.4	10.8	38.9	2.5	7		
UNIFIED SEWERAGE AGENCY OF WASHINGTON COUNTY (ROCK CREEK AWT)	06/77	32.0	06/77	32.0	10.1	35.3	3.3	10		
PENNSYLVANIA:										
BUTLER AREA SEWER AUTHORITY	05/77	36.8	05/77	36.8	11.4	45.5	8.7	24		
CARLISLE BOROUGH SEWER SYSTEM AUTHORITY (CARLISLE STP)	02/77	25.7	06/77	28.2	7.0	28.2			2.5	10
DELANARE COUNTY REGIONAL WATER QUALITY CONTROL AUTHORITY	09/77	56.2	09/77	56.2	25.9	66.4	10.2	18		
PHILADELPHIA (NORTHEAST WATER POLLUTION CONTROL PLANT)	06/77	34.0	06/77	34.0	10.5	42.1	8.1	24		
PHILADELPHIA (SOUTHEAST WATER POLLUTION CONTROL PLANT)	08/78	124.6	08/78	124.6	43.8	175.1	50.5	41		
PUERTO RICO:										
PRASA (ARECIBO) (APP. III, P. 88)	05/76	16.4	05/76	16.4	8.3	33.1	16.7	102	7.5	29
PRASA (BAYAMON)	09/77	83.7	09/77	83.7	20.9	83.7				

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ENVIRONMENTAL PROTECTION AGENCY: (CONT.)											01.12
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)											02
PUERTO RICO: (CONT.)											
PRASA (CAGUAS) (APP. III, P. 88)	06/76	13.0	06/76	13.0	6.7	26.8	13.8	106			
PRASA (MAYAGUEZ)	06/76	14.5	06/76	14.5	11.9	28.1	13.6	94	1.8	7	
PRASA (SAN JUAN)	06/76	30.2	06/76	30.2	14.7	43.9	13.7	45			
RHODE ISLAND:											
NEWPORT, MIDDLETOWN (NEW- PORT STP)	12/77	32.5	12/77	32.5	7.6	28.4	4.1-	13-			
WOONSOCKET, NORTH SMITH- FIELD, RI; BLACKSTONE, MA (WOONSOCKET STP)	09/77	38.4	09/77	38.4	9.1	32.7	5.7-	15-	1.9-	5-	
SOUTH CAROLINA:											
AIKEN COUNTY PSA - NORTH AU- GUSTA (HORSE CREEK REGIONAL SYSTEM)	06/76	31.5	06/76	31.5	4.3	33.0	1.5	5	7.3-	18-	
COLUMBIA, WEST COLUMBIA, EAST RICHLAND COUNTY PUBLIC SERVICE DISTRICT, (COLUMBIA METRO WWTP)	10/77	52.5	10/77	52.5	18.0	52.6	.1				
GRAND STRAND WSA CONWAY (CENTRAL WTP)	12/75	14.4	09/77	25.0	7.1	27.1	2.1	8	1.2	5	

## TENNESSEE:

CHATTANOOGA (MOCCASIN BEND WTP)	09/77	37.3	09/77	37.3	10.1	39.6	2.3	6	
KNOXVILLE (THIRD CREEK WTP)	06/74	51.9	08/78	38.6	12.6	50.3	11.7	30	
MEMPHIS (NORTH TREATMENT PLANT)	06/75	45.6	06/75	45.6	15.2	45.5	.1-		
MEMPHIS (SOUTH TREATMENT PLANT)	06/74	42.1	06/74	42.1	13.6	40.0	1.2-	3-	
NASHVILLE-DAVIDSON COUNTY (CENTRAL STP)	06/78	76.4	06/78	76.4	24.7	74.7	1.7-	2-	

## 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	22.5	50.4	17.8	54	.1
DALLAS (SOUTH SIDE PLANT)	01/73	20.5	05/76	49.2	9.4	37.7	11.5-	23-	14.0- 27-
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	188.8	09/78	169.6	43.4	173.7	4.1	2	
TRINITY RIVER AUTHORITY - ARLINGTON (CENTRAL STP) (APP. III, P. 89)	06/76	55.0	06/76	55.0	29.9	111.0	56.0	102	1.6 1

## VIRGINIA:

ALEXANDRIA SANITATION AUTHORITY	06/73	52.3	06/73	52.3	19.9	79.4	27.1	52	
ARLINGTON COUNTY	04/76	55.3	04/76	55.3	16.0	63.4	8.1	15	
FAIRFAX COUNTY (LOWER POTOMAC STP)	06/76	66.0	06/76	66.0	18.0	72.2	6.2	9	
HAMPTON ROADS SD (BOAT HARBOR WTP)	04/75	32.3	06/76	30.2	9.7	33.0	2.8	9	3.1 10
HOPEWELL (HOPEWELL STP)	08/75	40.7	08/75	40.7	14.3	40.7			
PRINCE WILLIAM COUNTY (MOONEY REGIONAL STP)	01/76	23.9	01/76	23.9	9.0	35.8	11.9	50	
RICHMOND	09/78	48.9	09/78	48.9	13.1	49.3	.4	1	

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ENVIRONMENTAL PROTECTION AGENCY: (CONT.)											01,12
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)											02
VIRGINIA: (CONT.)											
ROANOKE, SALEM, ROANOKE COUNTY BOTETOURT COUNTY (RO- ANOKE 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:											
SEATTLE (METRO WEST POINT STP)	06/76	76.0	06/76	76.0	33.3	66.6	9.4-	12-			
SEATTLE, REDMONT, KENT, BELLEVUE, VAL VUE SD, KING COUNTY (RENTON STP)	09/77	38.2	09/77	38.2	18.2	37.9	.3-	1-			
SPOKANE	09/75	52.3	09/75	52.3	12.7	47.6	4.7-	9-			
WISCONSIN:											
APPLETON, GRAND CHUTE (AP- PLETON STP)	06/76	45.2	06/76	45.2	7.7	31.0	14.2-	31-			
GREEN BAY MSD (GREEN BAY WWTP)	03/71	41.6	03/71	41.6	39.5	69.9	28.3	68			
METROPOLITAN SEWERAGE DIS- TRICT OF THE COUNTY OF MIL- WAUKEE (JONES ISLAND STP)	09/78	43.5	09/78	43.5	26.5	75.8	32.3	74			

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METROPOLITAN SEWERAGE DISTRICT OF THE COUNTY OF MILWAUKEE (SOUTH SHORE STP)	09/78	41.5	09/78	41.5	17.7	46.5	5.0	12		
SHEBOYGAN (SHEBOYGAN STP)	08/78	42.1	08/78	42.1	8.5	34.1	8.0-	19-		
SUPERIOR (SUPERIOR STP)	09/76	27.8	09/76	27.8	7.1	28.5	.7	3	3.3-	10-
SUB TOTAL		17,073.0		17,219.0	5,893.4	19,233.0	2,014.0		3.9-	
AGENCY TOTAL		17,073.0		17,219.0	5,893.4	19,233.0	2,014.0		3.9-	

GENERAL SERVICES ADMINISTRATION:

ANCHORAGE - COURTHOUSE, FEDERAL BUILDING & PARKING FACILITY	07/72	71.5	01/76	71.5		71.5			8.7	14
ATLANTA-RICHARD B. RUSSELL FEDERAL BUILDING & U.S. COURTHOUSE	08/66	27.4	04/75	77.1		59.1	18.0-	23-		
BALTIMORE - SSA METRO WEST BUILDING	09/74	92.4	09/74	92.4		96.7	4.3	5	5.7	4
BOSTON - FEDERAL OFFICE BUILDING	04/78	75.2	04/78	75.2		75.2				01
COLUMBIA, SC - STROM THURMOND FEDERAL BUILDING, U.S. COURTHOUSE & PARKING FACILITY	04/74	26.7	06/74	26.7		28.3	1.6	6		
DC - FEDERAL HOME LOAN BANK BOARD BUILDING	09/67	13.9	03/73	38.5		42.1	3.6	9		
GLYNCO, GA - FEDERAL LAW ENFORCEMENT TRAINING CENTER	03/75	30.1	03/75	30.1		26.8	3.3-	11-	.9-	3-
HONOLULU - PRINCE JONAH KUHIO KALANIANA'OLE FEDERAL OFFICE BUILDING	04/60	23.5	04/72	47.5		47.8	.3	1	4.5	10
JACKSON, MS - FEDERAL OFFICE BUILDING	05/74	25.0	05/74	25.0		27.1	2.1	8		
NEW YORK - CUSTOMS COURTHOUSE FEDERAL OFFICE BUILDING ANNEX	06/65	37.9	06/65	37.9		68.1	30.2	80		
NEW YORK - FEDERAL BUILDING (201 VARICK) ALTERATIONS AND REPAIRS	05/76	25.2	07/77	25.2		25.2				
PHILADELPHIA - COURTHOUSE & FEDERAL BUILDING	06/71	42.7	02/72	87.5		93.0	5.5	6		

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GENERAL SERVICES ADMINISTRATION: (CONT.)											
SAN JOSE - COURTHOUSE & FEDERAL OFFICE BUILDING	02/77	34.1	02/77	34.1		34.1					01
SEATTLE-NATIONAL OCEANIC AND ATMOSPHERIC ADMIN. (NOAA) WESTERN REGIONAL CENTER	03/75	68.2	02/77	83.8		83.8					
WOODLAWN, MD - SSA COMPUTER CENTER BUILDING	09/74	68.7	09/74	68.7		73.0	4.3	6	3.7	5	
AGENCY TOTAL		662.5		821.2		851.8	30.6		21.7		
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION:											
EARTH RADIATION BUDGET SATELLITE SYSTEM (ERRSS)	02/78	85.0	09/78	85.0		85.0					01.07
GALILEO (FORMERLY JUPITER ORBITER/PROBE)	01/77	309.0	08/78	309.0		309.0					
HIGH ENERGY ASTRONOMY OBSERVATORY	02/74	232.8	10/74	258.9		292.7	33.4	13	.8		
INTERNATIONAL SUN--EARTH EXPLORERS	02/74	50.7	10/75	55.7		56.8	1.1	2	.1-		
INTERNATIONAL ULTRA-VIOLET EXPLORER	09/71	34.2	09/71	34.2		37.2	3.0	9	.4-	1-	
LANDSAT 3 (FORMERLY LANDSAT C)	02/74	40.7	01/76	40.7		49.1	8.4	21	.1-		
LANDSAT D	02/77	324.0	09/78	370.0		370.0			44.0	13	07.13
NATIONAL TRANSONIC FACILITY	01/76	65.0	03/77	90.0		90.0					
NIMBUS G	02/73	81.8	07/75	86.5		87.2	.7	1			
PIONEER VENUS	02/74	207.1	12/74	207.1		216.6	9.5	5	2.5-	1-	

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SEASAT-A OCEAN DYNAMICS SATELLITE	02/74	58.2	06/75	70.7	89.8	19.1	27	3.2	4	
SOLAR MAXIMUM MISSION	01/76	95.8	04/77	98.3	96.7	1.6-	2-	1.6-	2-	
SOLAR POLAR MISSION	07/78	292.0	09/78	294.8	294.8					01.07
SPACE TELESCOPE	01/77	525.0	02/78	525.0	525.0					
SPACE TRANSPORTATION SYSTEM (SPACR SHUTTLE DOT AND E ONLY)	03/72 (03/72)	5,150.0 5,150.0	03/72 03/72	5,150.0 5,150.0	7,311.0 5,430.0	2,161.0 280.0	42 5	495.0 210.0	7 4)	09 09
TIROS-N	01/72	57.6	02/74	57.6	55.3	2.3-	4-	2.4	5	
VOYAGER (FORMERLY MARINER JU- PITER-SATURN 1977)	07/72	377.5	05/74	371.2	413.7	42.5	11	21.8	6	
AGENCY TOTAL		7,986.4		8,104.7	10,379.5	2,274.8		562.5		
NATIONAL RAILROAD PASSENGER CORPORATION:										
AM FLEET	01/75	209.2	01/75	209.2	232.5	23.3	11	.1		
BI-LEVEL COACHES	02/75	187.7	02/75	187.7	233.6	45.9	24	1.3	1	
DIESEL LOCOMOTIVES	11/73	68.3	11/73	68.3	111.4	43.3	63	2.0	2	
ELECTRIC LOCOMOTIVES	10/72	44.3	10/72	44.3	44.3					01
LOCOMOTIVE OVERHAUL	10/72	53.0	10/72	53.0	53.0					01
NORTHEAST CORRIDOR PURCHASE	04/76	105.1	04/76	105.1	106.0	.9	1	.9	1	
NORTHEAST CORRIDOR RIGHT OF WAY IMPROVEMENT	07/74	28.1	07/74	28.1	35.9	7.8	28	7.8	28	
PASSENGER CAR REFURBISHMENT	01/74	167.2	01/74	167.2	167.2					01
TURROTRAIN EQUIPMENT	04/74	66.1	04/74	66.1	66.1					01
AGENCY TOTAL		929.0		929.0	1,050.2	121.2		12.1		
NATIONAL SCIENCE FOUNDATION:										
VERY LARGE ARRAY RADIOTELESCOPE	1973	76.0	1973	76.0	78.2	2.2	3			
PENNSYLVANIA AVENUE DEVELOPMENT CORPORATION:										
PENNSYLVANIA AVENUE DEVELOPMENT	09/77	223.0	09/77	223.0	223.0					

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT SEPTEMBER 30, 1978  
(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:											
AIR POLLUTION CONTROL FACILITIES	1973	421.0	1973	828.0		912.7	84.7	10	12.0-	1-	13
BEAR CREEK WATER CONTROL SYSTEM (APP. III, P. 89)	01/64	15.0	01/65	24.0		75.0	51.0	213			
BELLEFONTE NUCLEAR PLANT, UNITS 1 & 2 (APP. III, P. 89)	01/71	650.0	01/71	650.0		1,300.0	650.0	100			
BROWNS FERRY NUCLEAR PLANT, UNITS 1-3 (APP. III, P. 89)	01/68	392.0	01/68	392.0		920.0	528.0	135			
DUCK RIVER PROJECT:											
COLUMBIA DAM AND RESERVOIR (APP. III, P. 89)	06/69	50.0	06/69	50.0		153.0	103.0	206	11.0	8	
HARTSVILLE NUCLEAR PLANT, UNITS 1-4 (APP. III, P. 89)	01/72	1,425.0	01/73	1,575.0		3,500.0	1,925.0	122			
MAIN LOCK - PICKWICK LANDING DAM	03/76	100.0	03/76	100.0		143.0	43.0	43	33.0	30	
PHIPPS BEND NUCLEAR PLANT	01/75	1,600.0	01/75	1,600.0		1,800.0	200.0	13			
RACCOON MT. STORAGE PROJECT, UNITS 1-4 (APP. III, P. 89)	01/70	155.0	01/70	155.0		310.0	155.0	100			
SEQUOYAH NUCLEAR PLANT, UNITS 1-2 (APP. III, P. 89)	01/69	336.0	01/69	336.0		1,100.0	764.0	227			
TELLICO DAM AND RESERVOIR (APP. III, P. 89)	01/65	42.5	01/65	42.5		119.0	76.5	180	3.0	3	
WATTS BAR NUCLEAR PLANT, UNITS 1 & 2 (APP. III, P. 89)	01/70	500.0	01/70	500.0		1,075.0	575.0	115			
YELLOW CREEK NUCLEAR PLANT	01/75	1,900.0	01/75	1,900.0		2,150.0	250.0	13			
AGENCY TOTAL		7,586.5		8,152.5		13,557.7	5,405.2		35.0		

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## VETERANS ADMINISTRATION:

1200 BED MEDICAL CENTER PHASE I, MINES, IL	1964	25.0	1964	21.7	30.8	9.1	42		
760-BED MEDICAL CENTER, SAN ANTONIO, TX	1963	15.8	1970	26.9	37.3	10.4	39		
CLINICAL EXP AMBULATORY CARE RENOVATION, OKLAHOMA CITY, OK	1973	1.5	1977	30.0	37.7	7.7	26	7.7	26
COMPENSATION, PENSION AND EDUCATION COMPUTER TARGET SYSTEM	07/74	50.3	07/75	81.9	81.4	.5-	1-	19.5-	19-
RELOCATION MEDICAL CENTER (811 BED), SAN DIEGO, CA	1963	23.6	1968	30.0	39.0	9.0	30		
RELOCATION MEDICAL CENTER, AUGUSTA, GA	1975	49.0	1975	49.0	43.2	5.8-	12-	14.3-	25-
RELOCATION MEDICAL CENTER, COLUMBIA, 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	71.4	94		
REPLACEMENT MEDICAL CENTER BALTIMORE, MD (APP. III, P. 89)	1971	21.3	1973	36.5	100.5	64.0	175	13.5	16
REPLACEMENT MEDICAL CENTER, RAY PINES, FL (APP. III, P. 89)	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. 89)	1973	33.7	1973	33.7	97.6	63.9	190	22.1	29
REPLACEMENT MEDICAL CENTER, LITTLE ROCK, AR	1973	72.6	1973	72.6	144.1	71.5	98	22.4	18
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. 89)	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-		.1-	
REPLACEMENT MEDICAL CENTER, PORTLAND, OR (APP. III, P. 90)	1964	15.8	1973	40.6	141.3	100.7	248	8.8-	6-

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT SEPTEMBER 30, 1978  
(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	%	
VETERANS ADMINISTRATION: (CONT.)											
REPLACEMENT MEDICAL CENTER, RICHMOND, VA (APP. III, P. 90)	1972	44.0	1973	48.2		116.0	67.8	141			
REPLACEMENT MEDICAL CENTER, SE- ATTLE, WA (APP. III, P. 90)	1973	15.7	1975	23.4		110.7	87.3	373	20.7	23	
AGENCY TOTAL		667.8		798.5		1,483.7	685.2		43.7		
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY:											
HANDICAPPED FACILITIES (ELEVA- TORS) AT SUBWAY STATIONS	08/73	65.0	08/73	65.0	14.2	71.2	6.2	10	6.2	10	
WASHINGTON REGIONAL RAPID RAIL TRANSIT SYSTEM (APP. III, P. 90)	01/69	2,494.6	01/69	2,494.6	2,228.2	6,722.4	4,227.8	169	1,267.4	23	
AGENCY TOTAL		2,559.6		2,559.6	2,242.4	6,793.6	4,234.0		1,273.6		
GRAND TOTAL		263,287.6		323,831.0	28,951.2	531,232.0	207,401.0		46,233.5		

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. National Aeronautics and Space Administration officials state that the current estimate for the Space Transportation/Space Shuttle 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 is under review, and it is tentatively estimated that the total will increase 4 percent.
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. The cost information for Environmental Protection Agency projects only represents the cost of those segments of each facility in which the agency is participating. The baseline estimate represents the cumulative costs of each segment at the time of initial grant award, or in the case of phased construction, the cost at the time of grant amendment. Therefore, many of the baseline estimates have changed from our previous year's report. The date for the baseline estimate is the date of the most recent grant awarded for the facility. The current estimate represents the total, current eligible costs of all grants awarded for a facility.
13. A new baseline estimate has been established for these projects.

ANALYSIS OF CIVIL ACQUISITIONS HAVING  
100 PERCENT OR GREATER COST GROWTH  
AT SEPTEMBER 30, 1978  
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT -----	ORIGINAL AND/OR BASELINE ESTIMATE -----	COST CHANGE DUE TO							CURRENT ESTIMATE -----
		QUANTITY	ENGI- NERING	SUPPORT	SCHEDULE	ECONOMIC	ESTI- MATING	SUNDRY	
APPALACHIAN REGIONAL COMMISSION:									
APPALACHIAN DEVELOPMENT HIGHWAY	1,150.0	1,245.0	1,903.0			3,560.0			7,458.0
DEPARTMENT OF ENERGY:									
FISSION POWER REACTOR DEVELOPMENT:									
CLINCH RIVER BREEDER REACTOR DEMONSTRATION PLANT, OAK RIDGE, TN	699.0	31.0	295.0		221.0	521.0	183.4	549.6	2,500.0
URANIUM RESOURCES AND ENRICH- MENT ACTIVITIES:									
COMPONENT TEST FACILITY, OAK RIDGE, TN	21.2	6.1	6.0	1.6	1.8	4.0	6.1		46.8
AGENCY TOTAL	720.2	37.1	301.0	1.6	222.8	525.0	189.5	549.6	2,546.8
DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS:									
BEACH EROSION:									
FIRE ISLAND INLET TO JONES INLET, NY (5880)	19.4		7.4			15.2	.3	.2	42.5
FLOOD CONTROL:									
B. EVERETT JORDAN DAM AND LAKE, NC (12410)	29.5		34.3		.2	37.8	1.2	5.0	108.0
BEECH FORK LAKE, WV (1280)	12.8	1.5	.2			16.0	4.9	.1	37.5
BLOOMINGTON LAKE, MD AND WV (1770)	76.7		4.9		.2	78.2	2.5	5.3	158.0
BURNSVILLE LAKE, WV (2270)	21.8		4.9			20.0	1.5	.4	48.6
CAESAR CREEK LAKE, OH (2350)	15.9	6.4	13.5		2.5	20.2	1.4	.8	57.9

ANALYSIS OF CIVIL ACQUISITIONS HAVING  
100 PERCENT OR GREATER COST GROWTH  
AT SEPTEMBER 30, 1978  
(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 ARMY, CORPS OF ENGINEERS: (CONT.)								
FLOOD CONTROL: (CONT.)								
CATHERINE CREEK LAKE, OR (21910)	19.3		1.7			18.9	.1	40.0
CAVF RUN LAKE, KY (2780)	28.4	3.0	19.0			16.0	.6	72.2
CENTRAL AND SOUTHERN FL (7860)	323.9	202.3	26.3-			320.6	6.2	874.4
CLAYTON LAKE, OK (74925)	21.8	.1	6.2			20.9	.1-	47.5
COOPER LAKE AND CHANNELS, TX (3820)	13.8	.5	12.1			47.9	.7	81.2
COWANESQUE LAKE, PA (4150)	49.3	4.0	15.7		.2	38.8	11.0-	99.2
DRY CREEK LAKE, CA (4990)	51.0	28.1	18.2		4.4	102.2	24.4	232.1
EAST FORK LAKE, OH (5180)	19.0	7.1	4.0-		2.6	21.2	3.0	49.1
EAST LYNN LAKE, WV (5190)	14.3		5.4			10.9	.6	34.8
EAST ST. LOUIS AND VICINITY (634)	18.1		12.9			29.1	2.9	64.1
EL DORADO LAKE, KS (5350)	29.3	.1	2.3			40.1	.9	84.3
EL PASO, TX (5340)	19.3		23.3			18.2	4.1	64.9
ELIZABETH, NJ (5380)	14.2		1.5			24.2	.7	44.1
ELK CREEK LAKE, OK (5370)	27.2		4.0			52.0	.1-	87.9
EVANSVILLE, IN (5690)	14.2	4.3-	5.5		.7	29.4	.7	45.1
FALLS LAKE, NC (5800)	29.6	.6	28.7		.2	62.7	5.0	121.0

FIRE ISLAND INLET TO MONTAUK PT., NY (5870)	42.5		4.4	9.7	67.6	29.6	19.5	173.3
FOUR RIVER BASINS, FL (6090)	96.3		72.4		97.8	12.1	2.0	230.6
FREEPORT & VICINITY, TX (6180)	5.5		11.2		11.3	12.9	.1	41.0
GATHRIGHT LAKE, VA (6430)	16.3		25.9	1.5	14.1	16.0	2.0	75.8
INDIAN BEND WASH (GILA RIVER BASIN), AZ (22720)	16.7	4.9	2.6		9.9	.3-	.2	34.0
LAFARGE LAKE AND CHANNEL IMPROVEMENT, WI (9240)	74.5	2.1	2.6		23.5	7.6	.5	60.8
LAKE PONTCHARTRAIN AND VICINITY, LA (9350)	98.1	4.7	80.9		239.9	5.6	3.8	433.0
LAKEVIEW LAKE, TX (9420)	105.0		3.0		129.1	2.7	.2	240.0
LAROSE TO GOLDEN MEADOW, LA (HURRICANE CONTROL) (6680)	13.4		15.6		20.5	5.7	.3	55.5
LAVON LAKE MODIFICATION AND EAST FORK CHANNEL IMPROVEMENTS, TX (9570)	27.7	5.2-	22.1		21.2	.6-		65.2
LINCOLN LAKE, IL (9800)	42.1		12.4		73.9	.1-	3.7	132.0
LITTLE BLUE RIVER CHANNEL, MO (72277)	8.1		12.2		12.3	.3	.4	33.3
LOS ESTEROS LAKE, NM (10080)	13.2				6.8	9.9		29.9
LUKFATA LAKE, OK (10290)	13.9	.1	.8		21.3		.1	36.2
MANKATO & N. MANKATO, MN (10520)	5.8	21.8	9.4		17.2	5.1		59.3
MERAMEC PARK LAKE, MO (10990)	79.1	.8	20.2		65.5	10.8	1.6	178.0
MISSOURI RIVER LEVEE SYSTEM (11610)	66.4		28.3		112.4	20.0-	.4	187.5
MORGAN CITY & VIC, LA (11830)	6.1		6.7		14.2			27.0
NAPA RIVER, CA (12130)	22.0	1.9	4.6		33.0		1.7	63.2

ANALYSIS OF CIVIL ACQUISITIONS HAVING  
100 PERCENT OR GREATER COST GROWTH  
AT SEPTEMBER 30, 1978  
(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 ARMY, CORPS OF ENGINEERS: (CONT.)								
FLOOD CONTROL: (CONT.)								
NEW ORLEANS TO VENICE HURRICANE PROTECTION, LA (12110)	10.8	12.9	54.1			62.4	1.3	142.0
OPTIMA LAKE, OK (13370)	21.1		6.1			15.2	1.3	43.7
PATOKA LAKE, IN (13730)	22.8	.1	18.9			30.9	.2	74.7
R.D. BAILEY LAKE, WV (14780)	42.6		.7			46.8	44.9	177.0
RED RIVER LEVEFS AND BANK STABILIZATION BELOW DENISON DAM, TX (15050)	10.4	27.3	.1			16.0	1.9-	52.9
SACRAMENTO RIVER BANK PROTECTION, CA (15840)	22.6	48.2	.1			36.3	3.1	112.0
SAGINAW RIVER, MI (15910)	20.3	5.0	1.0			42.8	4.7	73.7
SAN ANTONIO CHANNEL IMPROVE- MENT, TX (16100)	24.2	2.0	3.3		.6	43.6	27.8	111.8
SAN GABRIEL RIVER, TX (16160)	53.1		8.8			63.6	.9-	124.0
SAYLORVILLE LAKE, IA (16510)	36.5	18.5	17.5			23.1	.3-	96.0
SMITHVILLE LAKE, MO (16980)	39.0		3.1			30.5	7.0	80.6
STONEWALL JACKSON LAKE, WV (17580)	40.5		7.8			67.8	.7	117.0
SWEETWATER RIVER, CA (174660)	14.4		2.5			12.3		29.5
TALLAHALA CREEK LAKE, MS (17433)	19.2		17.2		.2	28.6		67.4
TAYLORS BAYOU, TX (18000)	10.5					23.1	5.4	39.1



TAYLORVILLE LAKE, KY (18010)	31.9		3.1		33.7	.2	18.0	86.9
TEXAS CITY AND VICINITY, TX (18140)	9.7	10.8-	.5-		19.5	30.7	.1	48.7
TIOGA-HAMMOND LAKES, PA (18250)	72.3		13.9	1.6	65.3	17.6	2.5	173.2
TOMBIGHEE RIVER AND TRIBUTARIES, MS AND AL (18310)	26.8	.4	13.4		64.9	.1	.1	105.7
TYRONF, PA (22670)	15.5		5.1	.3	20.1	1.7	.7	43.4
WALNUT CREEK, CA (19390)	28.9	16.6	10.6		24.7	2.2-	.9	79.5
WATERLOO, IA (19530)	21.7	3.3	3.9		20.9	.5-	.1	49.4
YATFVILLE LAKE, KY (20310)	28.8		10.1		23.0	1.0	.9-	62.0
SUB TOTAL	2,215.7	400.0	660.3	24.9	2,832.4	351.6	112.8	6,597.7
MISSISSIPPI RIVER AND TRIBUTARIES:								
ATCAFALAYA BASIN, LA (690)	285.1	102.5	373.1		405.7	18.9-	.9	1,148.4
MISSISSIPPI RIVER CACHE BASIN (2320)	27.2	10.4	10.1		75.3	.2	.6	123.8
MISSISSIPPI RIVER CHANNEL IMPROVEMENTS (15240)	942.0	587.6	7.8		771.5	8.6		2,317.5
MISSISSIPPI RIVER LEVEES (11440)	285.1	79.2	306.0		429.0	82.8-	9.7	1,026.2
MISSISSIPPI RIVER ST. FRANCIS BASIN (17320)	134.6	35.5	4.8		114.8	4.2-	1.4	286.9
MISSISSIPPI RIVER TENSAS BASIN, LA (75053)	86.5	18.4	42.8		147.1	8.6	1.1	304.5
MISSISSIPPI RIVER WEST TENNESSEE TRIBUTARIES (19730)	12.0	8.3	7.9		27.3	2.8	.4	58.7
MISSISSIPPI RIVER YAZOO BASIN (75054)	217.3	40.8	232.7		251.9	23.3	3.9	769.0
TECHE-VERMILION BASINS, LA (WATER SUPPLY) (23210)	11.8	6.1	4.3		7.9	.9	.1-	30.9
SUB TOTAL	2,001.6	888.8	989.5		2,230.5	61.5-	17.9	6,066.8

ANALYSIS OF CIVIL ACQUISITIONS HAVING  
100 PERCENT OR GREATER COST GROWTH  
AT SEPTEMBER 30, 1978  
(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.)									
MULTIPURPOSE PROJECTS INCLUDING POWER:									
BONNEVILLE SECOND POWERHOUSE, OR AND WA (3580)	267.0	24.6	31.1			270.6	31.3-	13.0	575.0
CLARENCE CANNON DAM, MO (2560)	70.6	7.1	38.4			89.0	24.1	.8	225.0
DEGRAY LAKE, AR (4530)	32.5	1.9	17.3			15.4	4.3		71.4
HARRY S. TRUMAN DAM AND RESERVOIR, MO (8840)	146.2		57.2		64.4	156.4	26.9	7.9	459.0
LAUREL RIVER LAKE, KY (9550)	23.8	.1	7.2		1.2	11.8	7.4	4.3	55.8
NFW MELONES LAKE, CA (12460)	122.0	23.9	57.9			82.8	31.6	20.8	339.0
SPEWRELL BLUFF LAKE, GA (17260)	91.8		10.8			166.4		1.0	270.0
WEST POINT LAKE, GA AND AL (19710)	64.2	9.1	4.5			25.0	23.9	6.4	133.1
SUB TOTAL	818.1	61.7	224.4		65.6	817.4	86.9	54.2	2,128.3
NAVIGATION:									
CORPUS CHRISTI SHIP CHANNEL, TX (74811)	22.6	6.8	2.7			17.2	10.3		59.6
FALL RIVER HARBOR, MA AND RI (73394)	14.6					15.3		5.7	35.6

MISSISSIPPI RIVER BETWEEN OHIO AND MISSOURI RIVERS (REGULATING WORKS) IL AND MO (11380)	61.9		59.1		31.4	1.6		154.0	
MISSISSIPPI RIVER GULF OUTLET, LA (11410)	113.2	113.4	6.2		290.2	2.5-	.5	521.0	
MISSISSIPPI RIVER, BATON ROUGE TO GULF (15240)	34.0	36.1	1.4-		26.8	.1		95.6	
MOBILE HARBOR (THEODORE CHANNEL), AL (74948)	15.2		15.8		24.9	.4	11.5	67.8	
OUACHITA AND BLACK RIVERS, AR AND LA (13478)	46.9	45.9	9.5		97.9	12.1		212.3	
RED RIVER WATERWAY (MISSISSIPPI RIVER TO SHREVEPORT, LA, AR AND OK) (45)	417.4	23.8	202.2		480.0	8.7-	.5	1,115.2	
SAN FRANCISCO BAY TO STOCKTON, CA (16638)	71.0		1.7-		88.8	.7-	4.8	162.2	
SMITHLAND LOCKS AND DAM, IL AND KY (16950)	110.1	.4	23.9		83.1	43.6	9.0-	252.1	
TENNESSEE TOMBIGBEE WATERWAY, AL AND MS (18878)	361.3	1.5-	289.1		1,010.4	13.0-	31.6	1,672.0	
WALLISVILLE LAKE TX (19380)	10.0		3.3		10.3	5.0	.3	28.9	
SUB TOTAL	1,278.2	224.9	608.7		2,176.3	47.3	45.9	4,381.1	
AGENCY TOTAL	6,333.0	1,575.4	2,490.3		90.5	8,071.8	424.6	231.0	19,216.6
DEPARTMENT OF THE INTERIOR:									
BUREAU OF RECLAMATION:									
CENTRAL ARIZONA PROJECT:									
WATER DEVELOPMENT	735.6		2.5-		1,072.6	116.8-	.1-	1,688.8	
CENTRAL VALLEY:									
AUBURN-FOLSOM SOUTH UNIT (WATER CONTROL), CA	425.0	72.5	5.8		18.4-	416.9	192.9	91.6	1,186.1
SACRAMENTO RIVER DIVISION (IRRIGATION), CA	111.4	17.5	.5		1.2	111.9	74.6	.8	317.0

ANALYSIS OF CIVIL ACQUISITIONS HAVING  
100 PERCENT OR GREATER COST GROWTH  
AT SEPTEMBER 30, 1978  
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL AND/OR BASELINE ESTIMATE	COST CHANGE DUE TO				ESTI- MATING	SUMMARY	CURRENT ESTIMATE
		QUANTITY	ENGI- NEERING	SUPPORT	SCHEDULE ECONOMIC			
DEPARTMENT OF THE INTERIOR (CONT.)								
BUREAU OF RECLAMATION: (CONT.)								
CENTRAL VALLEY: (CONT.)								
SAN FELIPE DIVISION, CA	92.4	8.1-	4.6		87.6	8.0	8.8	193.3
SAN LUIS UNIT (WATER CONTROL), CA	483.1	180.5		16.6	387.9		2.6-	1,045.5
COLORADO RIVER BASIN SALINITY CONTROL PROJECTS:								
TITLE I, CONSTRUCTION	157.7	2.0	80.5		101.1	14.0-	6.9	334.2
COLUMBIA BASIN:								
IRRIGATION FACILITIES								
DRAINAGE AND MINOR CONSTRUCTION PROJECTS:	925.4	30.1	145.1		724.7	423.9	14.0	2,263.2
KLAMATH, CA AND OR	10.5	13.2			2.8	2.7	1.0	30.2
PARKER-DAVIS, AR AND CA	68.8		5.4	49.4	38.1		.1-	161.6
WASHOE, CA AND NV	52.0	13.4		1.0	58.9	3.8	.5-	128.6
PACIFIC N.W. -PACIFIC S.W. IN- TERTIE (TRANSMISSION LINES), AZ, CA AND NV								
PICK-SLOAN MISSOURI RIVER BASIN PROGRAM:	130.6		71.2	79.6	102.8		17.7	401.9
GARRISON DIVERSION UNIT, ND AND SD	207.0				385.8		19.8	612.6

SOUTHERN NEVADA WATER PROJECT (DRAINAGE), NV	81.9	7.9-	3.8	88.1	1.2-	8.0	172.7
TUALATIN PROJECT (WATER CONTROL), OR	28.9			31.1		2.8	56.8
UPPER COLORADO RIVER STORAGE PROJECT:							
CENTRAL UTAH PARTICIPATING PROJECT, JENSEN UNIT, UT	11.2	6.1	4.1	16.6		.1-	37.9
CENTRAL UTAH PROJECT, RECREATION FISH & WILDLIFE FOR BONNEVILLE	20.0	19.0	.3	18.9	4.7	3.4	66.7
DOLORES, CO	53.0	71.6		76.9			109.5
LYMAN, UT-WY	15.4	.4-	2.5	7.7	6.2	.3	31.7
SUB TOTAL	3,601.9	409.5	321.3	3,728.4	586.8	171.7	8,947.8
NATIONAL PARK SERVICE:							
NATIONAL PARKS:							
YELLOWSTONE, MT, WY AND ID	105.1				182.1	.1	287.3
YOSEMITE, CA	34.9	76.5			17.2		128.6
NATIONAL RECREATION AREAS:							
BIGHORN CANYON, MT	24.3				38.0		54.3
SUB TOTAL	164.3	76.5			229.3	.1	478.2
AGENCY TOTAL	3,766.2	486.0	321.3	3,728.4	814.1	171.8	9,417.2
DEPARTMENT OF TRANSPORTATION:							
FEDERAL HIGHWAY ADMINISTRATION:							
DARIEN GAP HIGHWAY	158.0			225.0			375.0
INTERSTATE HIGHWAY SYSTEM	37,570.0	8,735.0	24,352.0	37,857.0	1,235.0	4,211.0	113,955.0
SUB TOTAL	37,728.0	8,735.0	24,352.0	38,077.0	1,235.0	4,211.0	116,330.0
U.S. COAST GUARD:							
MEDIUM RANGE SURVEILLANCE AIRCRAFT	83.3		34.5	33.1	131.9	.8	347.2

ANALYSIS OF CIVIL ACQUISITIONS HAVING  
100 PERCENT OR GREATER COST GROWTH  
AT SEPTEMBER 30, 1978  
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL AND/OR BASELINE ESTIMATE	COST CHANGE DUE TO					CURRENT ESTIMATE
		QUANTITY	ENGI- NERING	SUPPORT	SCHEDULE ECONOMIC	SUNDRY	
DEPARTMENT OF TRANSPORTATION: (CONT.)							
URBAN MASS TRANSPORTATION ADMINISTRATION:							
MASS TRANSIT GRANTS:							
NEW YORK METROPOLITAN TRANS- IT AUTH - EXTENSION & REMAR OF LONG ISLAND RR (NY-03-0035)	250.0	608.2					858.2
AGENCY TOTAL	38,053.3	98,343.2	24,386.5	63.6	38,110.1	1,366.9	115,535.4
ENVIRONMENTAL PROTECTION AGENCY:							
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS:							
ILLINOIS:							
NORTH SHORE SANITARY DIS- TRICT (CLAVEY ROAD STP)	38.6	7.9	21.9		14.7		83.1
NORTH SHORE SANITARY DIS- TRICT (GURNEA STP)	13.4	6.4	4.6		3.3		27.7
NEW YORK:							
GATES-CHILI-OGDEN SD (GATES-CHILI-OGDEN SD STP)	10.9			1.0	13.6	3.0	28.5
NEW YORK (26TH WARD STP)	31.6				30.5	3.5	65.6
NEW YORK (WARDS ISLAND STP)	47.8			4.7	63.7	.1	116.3
PUERTO RICO:							
PRASA (ARECIBO)	16.4	.1	1.4	1.3	7.4	6.5	33.1
PRASA (CAGUAS)	13.0					13.8	26.8



ANALYSIS OF CIVIL ACQUISITIONS HAVING  
100 PERCENT OR GREATER COST GROWTH  
AT SEPTEMBER 30, 1978  
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL AND/OR BASELINE ESTIMATE	COST CHANGE DUE TO				ECONOMIC ESTI- MATING	SUNDRY	CURRENT ESTIMATE
		QUANTITY	ENGI- NEERING	SUPPORT	SCHEDULE			
VETERANS ADMINISTRATIONS (CONT.)								
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, SE- ATTLE, WA	23.4	12.1	28.7		40.3		.1	110.7
AGENCY TOTAL	242.5	88.1	186.6		235.5		12.0	750.7
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY								
WASHINGTON REGIONAL RAPID RAIL TRANSIT SYSTEM	2,494.6	1,096.9	466.8	44.4	1,054.0	748.5	106.0	6,722.4
GRAND TOTAL	56,711.0	14,296.9	30,667.2	245.6	2,143.4	57,521.5	5,326.7	171,091.2



ANNUAL COST CHANGES FOR ACTIVE WEAPON SYSTEMS  
SHOWN ON SELECTED ACQUISITION REPORTS AT SEPTEMBER 30, 1978  
(DOLLARS IN MILLIONS)

SYSTEM	ANNUAL COST CHANGES							TOTAL
	QUANTITY	ENGINEERING	SUPPORT	SCHEDULE	ECONOMIC	ESTIMATING	SUNDRY	
DEPARTMENT OF THE AIR FORCE:								
A-10 AIRCRAFT		118.4	56.2-	43.6	37.1-	70.6		179.3
ADVANCED AIRBORNE COMMAND POST (E-4)		4.0	2.6	28.7	2.5-	5.3		38.1
AIRBORNE WARNING AND CONTROL SYSTEM (E-3A)	576.9	4.6-	49.3	94.0	4.5	80.4-	.7-	639.0
*ALCM MISSILE						.4-		.4-
B-1 AIRCRAFT	83.0		237.8-		26.7-	51.2-		232.7-
DEF SATELLITE COMM SYS (OSCS III-SPACE SGMT)					7.4	215.8-		208.4-
EF-111A AIRCRAFT		44.5	77.7	69.6	11.1	123.7		326.6
F-15 AIRCRAFT		83.5	77.8	95.1-	533.9	480.8-	32.7	152.0
F-16 AIRCRAFT		203.8	58.7-		1,257.4	204.4-	5.4	1,207.5
*GROUND LAUNCHED CRUISE MISSILE (GLCM)						47.8-		174.9
ITR MAVERICK (AGM-65D)			22.4-	177.5	67.6	47.8-		33.1
LASER MAVERICK (AGM-65C)			5.6-	11.5	1.3	25.9		5.3
*POSITIONING & LOCATING STRIKE SYSTEM			3.4	.4	5.1	3.2-		27.2
SIDEWINDER AIM-9L MISSILE	12.3				9.1	4.9	.5	53.5
SPARROW AIM-7F MISSILE	29.5	15.3		5.3-	25.0	11.0-		37.9
TOTAL (15)	701.7	464.9	149.9-	324.9	1,856.1	864.6-		2,151.0
DEPARTMENT OF THE ARMY:								
AN/ATC-39 COMMUNICATIONS SWITCH (TRI-TAC)		3.7	3.7					7.4

\*PROGRAM ADDED SINCE SEPTEMBER 30, 1977

ANNUAL COST CHANGES FOR ACTIVE WEAPON SYSTEMS  
 SHOWN ON SELECTED ACQUISITION REPORTS AT SEPTEMBER 30, 1978  
 (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)		9.5		12.8-	70.2	45.6	2.6	115.1
CH-47 HELICOPTER MODERNIZATION					200.5	3.2		203.7
DIVAD GUN	64.1					34.0		98.1
MFL FIRE MISSILE	1.6-		3.8-	11.0-	39.3	.4-		22.5
IFV XM2 (MICV)	974.5-	7.0-	13.5-		166.0-	9.6		1,151.6-
IMPROVED HAWK MISSILE	3.2	46.6-	1.2-		3.9	3.5-		44.2-
M-198 HOWITZER	17.1-	.2-	1.1-	6.4	4.6	11.3-		18.7-
PATRIOT MISSILE (SAM-D)		5.7			316.3	2.9-		319.1
ROLAND MISSILE	1.9-		7.0-	10.3	81.8	184.5		267.7
DEPARTMENT OF THE NAVY								
STANDOFF TARGET ACQUISITION SYSTEM (SOTAS)			29.9	54.9	76.3	198.8		379.8
STINGER MISSILE								
TACTICAL FIRE DIRECTION SYSTEM	4.5-	1.1	7.6-		3.1	13.0-		20.9-
UH-60A (UTTAS HELICOPTER-BLACKHAWK)			53.3	326.1	159.7	.9		160.6
XM-1 TANK	4,784.0		30.2-	124.5-	291.9	93.9		5,549.2
YAH-64 (AAH HELICOPTER)			22.5	249.4	240.0			85.3
TOTAL (16)	3,870.6	33.8-	22.5	249.4	1,321.6	539.4	2.6	5,972.3



ANNUAL COST CHANGES FOR ACTIVE WEAPON SYSTEMS  
 SHOWN ON SELECTED ACQUISITION REPORTS AT SEPTEMBER 30, 1978  
 (DOLLARS IN MILLIONS)

SYSTEM	ANNUAL COST CHANGES							TOTAL
	QUANTITY	ENGINEERING	SUPPORT	SCHEDULE	ECONOMIC	ESTIMATING	SUNDRY	
DEPARTMENT OF THE NAVY: (CONT.)								
*TOMAHAWK (SLCM) MISSILE	22.6-	74.8				96.9		153.1
TRIDENT SUR/MISSILE SYSTEM	630.3			187.8		963.5		1,781.6
TOTAL (79)	4,833.3-	156.4-	577.2	2,475.4	1,403.1	1,669.7	1,498.8	2,616.5

\*PROGRAM ADDED SINCE SEPTEMBER 30, 1977

PROGRAM COST DATA APPEARING ON SELECTED ACQUISITION REPORTS  
AT SEPTEMBER 30, 1976  
(DOLLARS IN MILLIONS)

AGENCY AND PROGRAM	PLANNING AND/OVER DEVELOPMENT ESTIMATE	COST CHANGE DUE TO						CURRENT ESTIMATE
		QUANTITY	ENGINENEFERING	SUPPORT	SCHEDULE	ECONOMIC	ESTIMATING	
DEPARTMENT OF THE AIR FORCE:								
A-10 AIRCRAFT	2,489.7	305.1	41.4	835.9	888.1	92.0	28.8	4,681.0
ADVANCED AIRBORNE COMMAND POST (E-4)	484.3	61.1-	22.2	8.6-	141.9	57.6	116.1	752.4
AIRBORNE WARNING AND CONTROL SYSTEM (E-3A)	2,661.6	50.4	29.0	5.6	1,178.2	336.4	93.4-	4,156.0
*ALCM MISSILE	4,184.0						.4-	4,183.6
A-1 AIRCRAFT	11,218.8	11,125.0-	1,439.5	568.1-	2,732.4	714.6-	1,548.0	4,676.4
DEF SATELLITE COMM SYS (USCS III-SPACE SGMT)	893.6					7.4	215.8-	685.2
EF-111A AIRCRAFT	631.9	45.9	106.6	106.7	10.4	146.6	12.3	1,060.4
F-15 AIRCRAFT	7,355.2	485.6	61.8-	1,247.6	3,169.0	210.9	776.3	13,140.8
F-16 AIRCRAFT	6,054.5	5,364.7	430.8	1,515.5	1,565.2	88.4	17.7	15,076.8
*GROUND LAUNCHED CRUISE MISSILE (GLCM)	1,527.2							1,527.2
F1R MAVERICK (AGM-65D)	1,592.9		19.0-	176.1	67.6	73.2-		1,746.4
LASER MAVERICK (AGM-65C)	367.4	92.0-	22.9-	25.3	20.3	37.1		335.2
*POSITIONING & LOCATING STRIKE SYSTEM	954.5		3.4		5.1	3.2-		959.8
SIDEWINDER AIM-9L MISSILE	133.7	133.8	15.0	18.7	16.6	55.3	126.5	500.1
SPARROW AIM-7F MISSILE	254.1	353.3	15.3	11.7	152.8	138.6	.1	927.6
TOTAL (115)	40,803.4	5,375.9-	2,788.4	1,022.5	6,613.5	5,604.4	1,979.7	988.9
DEPARTMENT OF THE ARMY:								
AN/TTC-39 COMMUNICATIONS SWITCH (TRI-TAC)	801.1	3.7	14.3	7.2	229.8	3.5-	41.9	1,094.5

\*PROGRAM ADDED SINCE SEPTEMBER 30, 1977

PROGRAM COST DATA APPEARING ON SELECTED ACQUISITION REPORTS  
AT SEPTEMBER 30, 1978  
(DOLLARS IN MILLIONS)

AGENCY AND PROGRAM	PLANNING AND/OR DEVELOPMENT ESTIMATE	QUANTITY	COST CHANGE DUE TO				ESTIMATING	SUNDRY	CURRENT ESTIMATE
			ENGIN-NEERING	SUPPORT	SCHEDULE	ECONOMIC			
DEPARTMENT OF THE ARMY: (CONT.)									
CANNON LAUNCHED GUIDED PROJECTILE (COPPERHEAD)	1,240.7	126.1-	9.5	10.0	23.0-	61.1	45.7	7.6	1,220.5
*CH-47 HELICOPTER MODERNIZATION	1,562.8					200.5	3.2		1,766.5
	3,185.8	64.1					34.0		3,283.9
*DIVAD GUN									804.8
HELLFIRE MISSILE	735.1	1.6-	7.0	3.8-	16.7	50.3	1.1		180.9
IFV XM2 (MICV)	245.4	490.7-	311.1	20.8	68.9	32.7-	47.8	10.3	1,186.2
IMPROVED HAWK MISSILE	588.2	171.4	83.9	107.1	73.9	159.1	1.5	1.1	201.3
M-198 HOWITZER	121.9	41.6-	1.8	5.2	10.8	53.6	49.6		6,236.0
PATRIOT MISSILE (SAM-D)	5,240.5	1,082.4-	855.2-	197.6	459.2	1,377.3	869.4	27.6	2,127.5
ROLAND MISSILE	1,119.5	30.2	28.0	7.0-	89.2	88.5	694.2		1,282.8
*STANDOFF TARGET ACQUISITION SYSTEM (SOTAS)	1,282.8								1,319.3
STINGER MISSILE	673.8	179.3	56.6	37.5	78.7	237.6	248.5	7.3	418.4
TACTICAL FIRE DIRECTION SYSTEM	160.5	23.9	48.1	32.8	5.0	62.2	97.5	11.6-	3,614.7
UH-60A (UTTAS HELICOPTER-BLACKHAWK)	2,307.3	22.0-	25.1-	127.6-	193.6-	1,452.4	208.3	15.0	10,386.1
XM-1 TANK	4,779.4	4,784.0		53.3	326.1	356.4	86.9		4,139.3
YAH-64 (AAH HELICOPTER)	3,758.1			30.2-	103.5	307.9			39,260.7
TOTAL (16)	27,602.9	3,488.5	330.6-	310.0	1,022.6	4,604.0	2,384.2	179.1	500.5
DEPARTMENT OF THE NAVY:									
*5" GUIDED PROJECTILE	500.5								211.4
*8" GUIDED PROJECTILE	211.4								

AEGIS (RDIAF ONLY)	477.6	71.7	19.2	52.9	23.9		595.3
CAPTOR ANTI SURMARINE WEAPONS SYSTEM	329.2	1.0-	216.3	152.2	100.5	239.5	1,250.5
CGN-38 FRIGATE	820.4	308.0	14.7		50.6	84.7	1,278.4
CH-53E HELICOPTER	578.4	164.8-	64.2	51.7	126.5	74.3	771.8
CVN-68 CLASS AIRCRAFT CARRIER (PROCUREMENT ONLY)	2,076.2		116.7	23.8	84.0	28.9	2,767.6
DD-963 DESTROYER	2,581.2	315.2	35.0	33.2	2.0-	80.2	4,159.8
*DDG-47 (GUIDED MISSILE DESTROYER)	14,083.5						14,083.5
E-2C (HAWKEYE) AIRCRAFT	586.2	1,332.5	100.9	440.6	51.4	76.1	2,703.2
F-14 (TOMCAT) AIRCRAFT	6,166.0	2,433.2	47.6	1,330.4	1,172.7	287.9	12,075.7
F-18 AIRCRAFT	12,875.3		11.5	78.7-	311.3	1,067.9	14,321.3
FFG-7 SHIP	3,244.5	298.4	1,037.3	126.2	1,585.2	2,053.6	10,124.8
*HARM MISSILE	1,357.9						1,357.9
HARPOON MISSILE	1,031.8	46.4-	192.6	24.1	73.6	256.6	1,584.3
LAMPS MK III	3,907.6		125.7-	156.9-	95.3-		3,506.4
LHA SHIP	1,380.3	436.9-	43.8	65.1	39.4	70.0	1,569.9
MK-48 TORPEDO	1,753.8	431.8-	9.4	77.1-	219.2	89.3	1,713.9
P-3C (ORION) AIRCRAFT	1,294.2	2,143.0	355.8	184.1	937.1	269.6	5,275.9
PHALANX CIWS	568.5	51.7	123.4	107.6	155.2	100.2	1,117.2
PHM SHIP	726.2	533.1-	.4	.3	137.5	12.0	391.7
PHOENIX MISSILE	536.4	306.2	89.9	83.6	393.5	218.8	1,681.3
SIDEWINDER AIM-9L MISSILE	99.7	72.4	26.9	44.6	35.4	22.4	353.8
SPARROW AIM-7F MISSILE	453.6	152.4-	63.5	53.3	207.0	323.1	1,035.3
SSN-688 SURMARINE	5,747.5	989.5	120.4	141.1	176.0	1,744.9	9,503.8
SURTASS ARRAY SENSOR	259.3		54.9	9.4	32.8	39.9	489.7
TACTAS	601.1	206.9-		3.8	23.9	41.0	460.5

\*PROGRAM ADDED SINCE SEPTEMBER 30, 1977

PROGRAM COST DATA APPEARING ON SELECTED ACQUISITION REPORTS  
AT SEPTEMBER 30, 1978  
(DOLLARS IN MILLIONS)

AGENCY AND PROGRAM	PLANNING AND/OR DEVELOPMENT ESTIMATE	COST CHANGE DUE TO				ESTIMATING	SUNDRY	CURRENT ESTIMATE
		QUANTITY	ENGI-NEERING	SUPPORT	SCHEDULE ECONOMIC			
DEPARTMENT OF THE NAVY: (CONT.)								
*TOMAHAWK (SLCM) MISSILE	2,422.9	22.6	78.8			96.9		2,576.0
TRIDENT SUB/MISSILE SYSTEM	12,431.1	4,525.5	139.5	57.6	1,224.1	2,009.4	345.0	23,979.9
TOTAL (29)	79,012.3	10,779.7	2,889.5	2,639.2	7,041.9	6,363.4	1,576.9	121,531.7

\*PROGRAM ADDED SINCE SEPTEMBER 30, 1977



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

AGENCY AND PROGRAM	PLANNING AND/OR DEVELOPMENT ESTIMATE		CURRENT ESTIMATE SEPTEMBER 30, 1978		NOTES
	QUANTITY	PROGRAM UNIT COST	QUANTITY	PROGRAM UNIT COST	
DEPARTMENT OF THE AIR FORCE:					
A-10 AIRCRAFT	743	3.35	743	6.3	
ADVANCED AIRBORNE COMMAND POST (E-4)	7	69.2	6	125.4	
AIRBORNE WARNING AND CONTROL SYSTEM (E-3A)	42	63.4	34	122.2	
•ALCM MISSILE	3,459	1.209	3,459	1.209	
R-1 AIRCRAFT	246	45.6	4	1,148.6	05
DEF SATELLITE COMM SYS (DSCS III-SPACE SGM)	14	63.8	14	48.9	
FF-111A AIRCRAFT	42	15.05	42	25.25	
F-15 AIRCRAFT	749	9.82	749	17.6	
F-16 AIRCRAFT	658	9.2	1,396	10.77	
•GROUND LAUNCHED CRUISE MIS- SILE (GLCM)	702	2.175	702	2.175	
IIR MAVERICK (AGM-65D)	31,113	.051	31,113	.056	
LASER MAVERICK (AGM-65C)	8,100	.045	4,750	.071	
•POSITIONING & LOCATING STRIKE SYSTEM	3	318.17	3	319.9	
SIDEWINDER AIM-9L MISSILE	5,724	.023	10,833	.046	
SPARROW AIM-7F MISSILE	4,900	.052	9,475	.098	
DEPARTMENT OF THE ARMY:					
AN/TTC-39 COMMUNICATIONS SWITCH (TRI-TAC)	308	2.601	308	3.554	

•PROGRAM ADDED SINCE SEPTEMBER 30, 1977

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

AGENCY AND PROGRAM	PLANNING AND/OR DEVELOPMENT ESTIMATE		CURRENT ESTIMATE SEPTEMBER 30, 1978		NOTES
	QUANTITY	PROGRAM UNIT COST	QUANTITY	PROGRAM UNIT COST	
DEPARTMENT OF THE ARMY: (CONT.)					
CANNON LAUNCHED GUIDED PROJECTILE (COPPERHEAD)	133,058	.009	110,664	.011	
*CH-47 HELICOPTER MODERNIZATION	364	4.293	364	4.853	
*DIVAD GUN	622	5.122	622	5.28	01
HELLFIRE MISSILE					
IFV XM2 (MICV)	1,205	.204	21	8.61	05
IMPROVED HAWK MISSILE	103	5.711	100	11.817	
M-19A HOWITZER	664	.184	478	.421	
PATRIOT MISSILE (SAM-0)	740	21.835	138	45.174	
ROLAND MISSILE	184	6.084	184	11.563	
*STANDOFF TARGET ACQUISITION SYSTEM (SOTAS)	28	45.814	28	45.814	
STINGER MISSILE	23,202	.02	30,661	.043	
TACTICAL FIRE DIRECTION SYSTEM					01
UH-60A (UTTAS HELICOPTER-BLACKHAWK)	1,123	2.05	1,117	3.24	
XM-1 TANK	3,325	1.437	7,071	1.469	
YAH-64 (AAH HELICOPTER)	545	6.89	545	7.6	
DEPARTMENT OF THE NAVY:					
*5" GUIDED PROJECTILE	34,218	.015	34,218	.015	
*8" GUIDED PROJECTILE	8,728	.024	8,728	.024	
AEGIS (RDT&E ONLY)					02

\*PROGRAM ADDED SINCE SEPTEMBER 30, 1977

CAPTON ANTI SUBMARINE WEAPONS SYSTEM	6,077	.054	5,839	.214
CGN-38 FRIGATE	3	254.87	4	319.6
CH-53F HELICOPTER	74	7.4	57	14.562
CVN-68 CLASS AIRCRAFT CARRIER (PROCUREMENT ONLY)	3	678.733	3	922.533
DD-963 DESTROYER	30	86.04	31	134.187
*DDG-47 (GUIDED MISSILE DESTROYER)	14	544.7	14	546.7
F-2C (HAWKEYE) AIRCRAFT	30	19.54	88	30.718
F-14 (TOMCAT) AIRCRAFT	469	12.63	521	22.671
F-1A AIRCRAFT	811	15.874	811	17.659
FFG-7 SHIP	50	64.89	52	194.704
*HARM MISSILE	6,735	.202	6,735	.202
HARPOON MISSILE	2,922	.353	2,159	.734
LAMPS MK III	61	64.26	61	57.448
LHA SHIP	9	153.367	5	313.98
MK-48 TORPEDO	4,194	.418	2,831	.605
P-3C (ORION) AIRCRAFT	104	12.444	275	19.185
PHALANX CIWS	370	1.536	406	2.751
PHM SHIP	30	24.21	6	65.3
PHOENIX MISSILE	2,384	.225	3,162	.532
SIDEWINDER AIM-9L MISSILE	3,564	.028	5,269	.067
SPARROW AIM-7F MISSILE	10,785	.042	6,804	.152
SSN-688 SUBMARINE	32	179.609	37	259.292
SURTASS ARRAY SENSOR	13	19.946	13	37.669
TACTAS	126	4.771	76	6.059
*TOMAHAWK (SLCH) MISSILE	1,163	2.083	1,156	2.228

\*PROGRAM ADDED SINCE SEPTEMBER 30, 1977

AGENCY AND PROGRAM	SELECTED MILITARY PROGRAMS QUANTITY AND PROGRAM UNIT COSTS (DOLLARS IN MILLIONS)		NOTES
	PLANNING AND/OR DEVELOPMENT ESTIMATE	CURRENT ESTIMATE SEPTEMBER 30, 1978	
	QUANTITY PROGRAM UNIT COST	QUANTITY PROGRAM UNIT COST	
DEPARTMENT OF THE NAVY: (CONT.)			
TRIDENT SUB/MISSILE SYSTEM	10 1,243.11	13 1,844.608	04

NOTES

- 01 Classified, data not presented
- 02 Procurement requirements being studied
- 03 Unit costs include 210 helicopters in the development estimate and 209 helicopters in the current estimate
- 04 Unit costs include 369 missiles in the development estimate and 444 missiles in the current estimate
- 05 Production Quantities were cancelled. R + D costs are spread over development quantities only.

GAO REPORTS ON SELECTED MAJOR ACQUISITIONSISSUED DURING FISCAL YEARS 1974-78

<u>Agency and projects</u>	<u>Latest report</u>	<u>Date</u>
Appalachian Regional Commission: Appalachian Development Highway	PSAD-76-155	11/03/76
Department of Commerce: National Oceanic and Atmospheric Administration: AFOS Program	Letter Report	8/04/76
Department of Defense: Department of the Air Force: A-10 Aircraft (note a)	PSAD-78-33	5/19/78
Advanced Airborne Command Post	Staff Study	2/75
Advanced Medium Stoll Aircraft	PSAD-76-91	3/76
Airborne Warning and Control System (note a)	PSAD-75-65	2/20/75
ALCM and GLCM (note a)	PSAD-78-39	4/28/78
B-1 Aircraft	PSAD-77-116	5/25/77
EF-111A (note a)	PSAD-78-32	3/23/78
F-15 Aircraft (note a)	PSAD-78-93	6/23/78
F-16 Aircraft	PSAD-78-36	4/24/78
GBU-15 Program (note a)	PSAD-78-49	8/24/78
Maverick AGM Program (note a)	PSAD-78-34	4/10/78
NAVSTAR GPS	PSAD-78-37	4/25/78
OTH-B Radar Program (note a)	PSAD-77-39	2/10/77
Department of the Army: Advanced Attack Helicopter (note a)	PSAD-78-17	3/16/78
AN/TCC-39 Communications Switch	Staff Study	3/75
Bushmaster Gun	Staff Study	4/75
Cannon Launched Guided Projectile (note a)	PSAD-77-26	4/01/77
CH-47 Helicopter Modernization	PSAD-78-18	2/24/78
Chaparral Missile (note a)	PSAD-77-38	2/28/77
Dragon Missile (note a)	Staff Study	2/75
Fort Campbell Army Hospital-Construction	HRD-77-5	11/18/76
Hellfire Missile (note a)	PSAD-78-19	3/21/78

<u>Agency and projects</u>	<u>Latest report</u>	<u>Date</u>
Department of the Army (cont.):		
Lance Missile (note a)	Staff Study	3/75
Mechanized Infantry Com- bat Vehicle (note a)	PSAD-76-96	3/76
Patriot Missile (SAM-D) (note a)	PSAD-78-15	3/10/78
Pershing II Missile	PSAD-77-51	1/24/77
Roland Missile (note a)	PSAD-78-16	3/10/78
Stinger Missile (note a)	PSAD-78-20	3/15/78
Tactical Fire Direction System (note a)	PSAD-76-95	3/76
UTTAS Helicopter (Blackhawk)	PSAD-77-31	2/25/77
XM-1 Tank	PSAD-78-11	12/12/77
Department of the Navy:		
Aegis Missile (note a)	PSAD-78-29	2/24/78
Captor Antisubmarine Weapon (note a)	PSAD-78-23	4/10/78
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
F-18 Aircraft (note b)	PSAD-77-99	4/11/77
FFG-7 Ship (note a)	PSAD-78-28	3/15/78
HARM-Missile (note a)	PSAD-78-26	3/27/78
Harpoon Missile (note a)	PSAD-77-21	2/10/77
LAMPS Program (note a)	PSAD-78-30	2/27/78
LHA Ship	Staff Study	2/75
M-60A-1 Tanks	PSAD-76-153	8/06/76
MK-48 Torpedo	LCD-76-451	5/09/77
P-3C Orion Aircraft	PSAD-75-60	4/18/75
Phalanx Gun (note a)	Staff Study	12/75
PHM (note a)	PSAD-77-46	2/25/77
Sparrow III - 7F Missile (note a)	Staff Study	2/75
SSN-688 (note a)	PSAD-78-21	2/27/78
Surface Effect Ships (note a)	Staff Study	2/75
SLCM (note a)	PSAD-78-39	4/28/78
Trident Facilities	LCD-78-328	6/14/78
Trident Sub/Missile Sys- tem	PSAD-78-31	4/07/78
Uniformed Services Uni- versity, MD	MWD-76-122	5/05/76

<u>Agency and projects</u>	<u>Latest report</u>	<u>Date</u>
Department of Energy:		
Clinch River Breeder Reactor	EMD-77-74	1/06/78
DP Site PU Process Facility LASL, NM	PSAD-78-90	6/02/78
Fast Flux Test Facility	EMD-76-13	11/15/76
Grand-Coulee Raver Transmission Line	PSAD-76-167	8/18/76
New Plutonium Recovery Facility, Rocky Flats	PSAD-78-90	6/02/78
Strategic Petroleum Reserve	EMD-78-65	8/14/78
Tokamak Fusion Test Reactor, Plainsboro, NJ	PSAD-78-129	7/10/78
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
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 Ponchartrain and Vicinity, LA	PSAD-76-161	3/31/76
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, LA	CED-78-127	8/07/78
Ririe Lake, ID (Safety of Dams Report)	CED-77-85	6/03/77
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:		
Auburn Dam (Safety of Dams Report)	CED-77-85	6/03/77
Central Valley, CA	EMD-78-18	11/21/77
Colorado River Storage Project, Upper Colorado Basin	CED-78-123	7/11/78
Delores Project, CO	CED-78-127	8/07/78

<u>Agency and projects</u>	<u>Latest report</u>	<u>Date</u>
Department of the Interior (cont.):		
Bureau of Reclamation (cont.):		
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 Projects, NV	CED-78-123	7/11/78
Teton Dam (Safety of Dams Report)	CED-77-85	6/03/77
National Park Service:		
National Visitor Cen- ter, Washington, DC	PSAD-77-93	4/04/77
Department of Transportation:		
Federal Aviation Administra- tion:		
ARSR-3, Long Range Radar System	PSAD-76-169	8/25/76
Federal Highway Administra- tion:		
Darien Gap Highway	PSAD-78-65	2/23/78
Interstate Highway System:	RED-76-19	9/04/75
Crosstown Expressway, Chicago, ILL	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 Coun- ties, CA	CED-78-65.	3/10/78
Federal Railroad Administra- tion:		
AMTRAK Subsidy	RED-78-86	5/11/78
U.S. Coast Guard:		
Icebreakers-Polar Star and Polar Sea	CED-76-135	8/17/76
Medium Range Surveil- lance Aircraft	PSAD-77-63	1/17/77
Urban Mass Transportation Administration:		
Passenger Cars for the New Haven Railroad	RED-76-15	9/17/75
Personal Rapid Transit System, Morgantown, WV	Staff Study	4/75



<u>Agency and projects</u>	<u>Latest report</u>	<u>Date</u>
District of Columbia Government:		
District of Columbia's New Correctional Detention Center	PSAD-77-86	6/13/77
District of Columbia's New Courthouse	PSAD-76-176	10/12/76
District of Columbia University	GGD-78-77	5/15/78
Environmental Protection Agency:		
Suffolk County Sewer Project	CED-77-44,45	3/22/77
Multibillion Dollar Construction Grant Program	CED-77-113	9/12/77
MSD of Greater Chicago	PSAD-78-94	5/24/78
General Services Administration:		
Federal Home Loan Bank Board Building Site, DC	B-114827	5/13/74
Philip A. Hart Senate Office Building	LCD-78-233	8/14/78
National Aeronautics and Space Administration:		
Landsat	PSAD-78-58	4/17/78
Pioneer Venus	PSAD-77-65	11/07/77
SEASAT-A Project	PSAD-78-76	6/19/78
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 Railroad Passenger Corporation:		
Locomotives and Rail Passenger Cars	Staff Study	9/74
National Science Foundation:		
Very Large Array Telescope	OPA-76-16	7/09/75
Pennsylvania Avenue Development Corporation:		
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

<u>Agency and projects</u>	<u>Latest report</u>	<u>Date</u>
Veterans Administration: Compensation, Pension and Education Computer Target System	HRD-77-98 MWD-74-183	7/20/77 7/19/74
Loma Linda Hospital, CA 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: Need to Resolve Metro Fund- ing	PSAD-77-123	6/29/77

a/Classified report.

b/Unclassified digest, classified report.

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