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# REPORT TO THE CONGRESS



BY THE COMPTROLLER GENERAL  
OF THE UNITED STATES

UNITED STATES  
GENERAL ACCOUNTING OFFICE

MAR 4 1976

LIBRARY SYSTEM

Financial Status Of  
Major Acquisitions  
June 30, 1975



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FEB. 27, 1976



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 is a report on the financial status of major acquisitions of the U.S. Government. It includes acquisitions financed solely with Federal funds as well as those financed jointly with Federal, State, and other funds.

Departments and agencies responsible for major acquisitions furnished financial data on 585 projects in this report. We have not verified the accuracy or completeness of this data. Because of the numerous projects involved, we obtained explanations for cost growth only for those weapons 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.

We made our review 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).

Copies of this report are being sent to the Director, Office of Management and Budget; and to the Secretaries of the various departments and the heads of independent agencies involved.

A handwritten signature in black ink, appearing to read "Thomas B. Staats".

Comptroller General  
of the United States

C o n t e n t s

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FINANCIAL STATUS OF MAJOR ACQUISITIONS

JUNE 30, 1975

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ABBREVIATIONS

DDT&E	design, development, test, and evaluation
DOD	Department of Defense
SAR	selected acquisition report

## FINANCIAL STATUS OF MAJOR ACQUISITIONS

JUNE 30, 1975

This report includes financial data on major acquisitions estimated to cost \$404 billion on completion--an increase of \$148 billion over initial cost estimates for these systems or over baseline estimates where the initial estimates were either not available or outdated. Appendix I presents this information in totals for each agency.

*AGC 00005*

The Department of Defense (DOD) defines major programs as those with an estimated research, development, test, and evaluation cost in excess of \$50 million or an estimated production cost in excess of \$200 million. Defense systems listed in this report conform to the DOD definition. (1)

Civil agencies have generally not established criteria for defining major acquisitions. Most civil agencies' individual acquisition programs cost considerably less than those of DOD; thus for the purpose of this report, we used a uniform threshold of \$25 million to define major acquisitions of civil agencies.

Cost growth on each program is shown in appendix II. For most Federal agencies the baseline estimate is the initial congressional authorization; for DOD weapons systems and National Aeronautics and Space Administration projects, the baseline is the development estimate, and the original estimate is termed the planning estimate. When the departments and agencies could provide baseline figures based on more realistic definitions of scope than the initial amounts authorized, the original estimates are provided, but we use the baseline estimates for comparison purposes. To obtain a more meaningful cost-growth comparison for recent years, we generally used a 1960 estimate for Army Corps of Engineers projects established before this date.

Agencies and departments other than DOD were asked to provide an analysis of cost growth for acquisitions having 100 percent or more cost growth. DOD provided cost-growth breakdowns for the weapon systems included in selected acquisition reports. The categories are:

1. Quantity changes--including scope changes.
2. Engineering changes--an alteration in the established physical or functional characteristics of a system.

- 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--influence of one or more factors in the economy, such as inflation.
6. Estimating changes--due to corrections or other changes occurring since the initial or other baseline estimates for program or project costs were made.
7. Sundry--changes which do not fall within the above categories, such as environmental costs and relocation assistance for water and highway projects.

The cost-growth analysis for 120 acquisitions, other than weapons systems, having 100 percent or more cost growth are shown in appendix III and are summarized below. The principal factor in cost growth is economic changes, chiefly inflation, which accounts for 46 percent of the total.

<u>Type of change</u>	<i>AGC 00066</i>					<u>Total changes</u>
	<u>Energy Research and Development Administration</u>	<i>AGC00305</i> <u>Army Corps of Engineers</u>	<i>AGC00029</i> <u>Department of Transportation</u>	<u>Other civil agencies</u>		
	(000 omitted)					
Quantity	\$ 215,610	\$1,860,171	\$10,218,288	\$ 994,683	\$13,288,752	
Engineering	501,910	1,832,686	19,870,574	485,006	22,690,176	
Support	39,500	0	8,857	0	48,357	
Schedule	88,940	11,865	-5,250	77,000	172,555	
Economic	670,110	4,353,736	29,445,667	2,163,016	36,632,529	
Estimating	209,090	406,742	370,538	199,386	1,185,756	
Sundry	<u>229,250</u>	<u>143,431</u>	<u>4,309,375</u>	<u>691,847</u>	<u>5,373,903</u>	
<b>Total</b>	<b><u>\$1,954,410</u></b>	<b><u>\$8,608,631</u></b>	<b><u>\$64,218,049</u></b>	<b><u>\$4,610,938</u></b>	<b><u>\$79,392,028</u></b>	
Number having 100 percent or more increase	7	78	15	20	120	
Total civil projects	26	170	55	216	467	

(3) Weapons system cost data extracted from selected acquisition reports prepared by the DOD are shown in appendixes IV, V, and VI. The cost data for weapons systems covers the period December 31, 1974, to June 30, 1975, since our May 1975 report on the Status of Selected Major Weapons Systems included cost data for the period June 30 to December 31, 1974. Appendix IV provides details on the cost changes that occurred between December 31, 1974, and June 30, 1975. Appendix V shows the cost data appearing on the June 30, 1975, SAR. Appendix VI shows the planning and development estimates for program quantities and unit costs and changes for the 6 months ended June 30, 1975.

Cost growth in major acquisitions results from such things as unanticipated development difficulties, faulty planning, poor management, and poor estimating. Cost growth cannot always be prevented. For instance, unusual periods of inflation may result in cost growth. Cost growth cannot always be anticipated, particularly when a project is in development and production over long periods.

(4) Acquisitions included in this report, unless otherwise indicated, are past the planning stage and into development, testing, production, or construction phases. Grant programs for waste treatment plants are included for the first time. Completed projects are not included. The current estimated cost is as of June 30, 1975, except for Corps of Engineers projects for which the Corps furnished estimated costs as of September 30, 1975.

We included both Federal and non-Federal estimated costs on those projects for which agencies have furnished data on non-Federal costs. Non-Federal costs for Corps of Engineers projects were not furnished by the Corps.

FINANCIAL STATUS OF MAJOR ACQUISITIONSSUMMARY BY AGENCY

<u>Agency</u>	<u>Reference page of app. II</u>	<u>Number of projects</u>	<u>Original estimate</u>	<u>Baseline estimate</u>	<u>Current estimate</u>	<u>Increase over baseline estimate</u>
(000 omitted)						
Appalachian Regional Commission	5	1	\$ 840,000	\$ 840,000	\$ 3,537,000	\$ 2,697,000
Architect of the Capitol	5	2	158,800	158,800	175,147	16,347
Department of Defense:						
Department of the Air Force	5	27	41,904,000	51,313,700	74,019,300	22,705,600
Department of the Army	7	32	26,289,134	27,336,534	34,933,678	7,597,144
Department of the Navy	9	59	78,327,458	86,464,758	111,071,132	24,606,374
Department of the Army: Corps of Engineers	13	170	8,923,356	12,327,695	24,161,865	11,834,170
Department of the Interior:						
Bonneville Power Administration	25	6	316,840	333,840	405,425	71,585
Bureau of Reclamation	26	47	7,039,171	7,376,228	10,889,121	3,512,893
National Park Service	30	27	382,039	1,462,781	2,096,275	633,494
Department of Transportation:						
Federal Aviation Administration	32	5	395,850	416,500	855,238	438,738
Federal Highway Adminis- tration	32	2	37,720,000	37,720,000	100,054,000	62,334,000
U.S. Coast Guard	33	6	381,823	381,823	471,073	89,250
Urban Mass Transportation Administration	33	42	2,130,093	2,130,093	3,875,890	1,745,797
District of Columbia Govern- ment	38	13	694,900	694,900	719,200	24,300
Energy Research and Development Administration	39	26	2,741,200	2,992,200	5,629,639	2,637,439
Environmental Protection Agency	41	48	2,807,500	2,807,500	3,194,700	387,200
General Services Administration	44	20	799,975	978,689	1,107,740	129,051
National Aeronautics and Space Administration	46	23	7,746,200	8,456,700	9,928,700	1,472,000
National Railroad Passenger Corporation	47	5	377,100	377,100	559,500	182,400
National Science Foundation	48	1	76,000	76,000	78,465	2,465
Tennessee Valley Authority	48	17	7,932,000	7,932,000	10,622,500	2,690,500
U.S. Postal Service	50	1	950,000	950,000	997,228	47,228
Veterans Administration	50	4	173,703	173,703	295,716	122,013
Washington Metropolitan Area Transit Authority	50	<u>1</u>	<u>2,494,600</u>	<u>2,494,600</u>	<u>4,650,744</u>	<u>2,156,144</u>
<b>Total</b>		<b>585</b>	<b>\$231,601,742</b>	<b>\$256,196,144</b>	<b>\$404,329,276</b>	<b>\$148,133,132</b>

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE AMOUNT	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
APPALACHIAN REGIONAL COMMISSION:								
APPALACHIAN DEVELOPMENT HIGHWAY (APP. III, P. 55)	1965	840,000	1965	840,000	3,537,000	2,697,000	321	
ARCHITECT OF THE CAPITOL:								
EXTENSION OF THE DIRKSEN OFFICE BUILDING	01/74	68,800	01/74	68,800	85,147	16,347	24	
LIBRARY OF CONGRESS, JAMES MADISON BUILDING	03/70	90,000	03/70	90,000	90,000			
TOTAL		158,800		158,800	175,147	16,347		
DEPARTMENT OF DEFENSE:								
DEPARTMENT OF THE AIR FORCE:								
A-10 AIRCRAFT	04/70	1,025,500	12/72	2,489,700	3,159,700	670,000	27	01
A-7D AIRCRAFT	12/67	1,379,100	12/67	1,379,100	1,584,600	205,500	15	
ADVANCED AIRBORNE COMMAND POST	01/73	467,800	09/73	484,300	481,500	2,800	1-	
ADVANCED MEDIUM STOL TRANSPORT	06/75	847,200	06/75	847,200	847,200			02
ADVANCED TANKER/ CARGO AIRCRAFT	06/75	279,000	06/75	279,000	279,000			02
AERIAL GUN	06/75	84,700	06/75	84,700	84,700			02
AGILE RADAR	06/75	53,000	06/75	53,000	53,000			02
AIRBORNE WARNING AND CONTROL SYSTEM	11/68	2,656,700	06/70	2,661,600	3,716,200	1,054,600	40	



ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE DATE	AMOUNT	BASELINE ESTIMATE DATE	AMOUNT	CURRENT ESTIMATE AMOUNT	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE AMOUNT	%	NOTES
ALCM MISSILE	06/75	424,100	06/75	424,100	424,100			02
B-1 AIRCRAFT	03/69	8,954,500	12/70	11,218,800	20,603,000	9,384,200	84	
CLOSE AIR SUPPORT WEAPON SYSTEM	06/75	724,100	06/75	724,100	724,100			02
F-111 AIRCRAFT	03/62	4,686,600	11/63	5,505,500	7,181,400	1,675,900	30	
F-15 AIRCRAFT	03/69	6,039,100	01/70	7,355,200	10,820,500	3,465,300	47	
F-16 AIRCRAFT	1975	5,846,800	1975	5,846,800	5,846,800			02
F-5E AIRCRAFT	11/70	698,600	12/71	315,500	429,000	113,500	36	03
MAVERICK MISSILE	10/65	257,900	07/68	383,400	762,500	379,100	99	
MINUTEMAN II MISSILE	1963	3,014,100	05/67	4,254,900	5,110,600	855,700	20	
MINUTEMAN III MISSILE	1964	2,695,500	03/68	4,673,800	7,246,300	2,572,500	55	04
NAVSTAR GLOBAL POSITIONING SYSTEM	06/75	211,200	06/75	211,200	211,200			02
OTH-R RADAR	06/70	120,100	03/75	371,500	371,500			
POSITIONING & LOCATING STRIKE SYSTEM	06/75	550,900	06/75	550,900	550,900			02
SHRIKE MISSILE	06/75	441,300	06/75	441,300	441,300			02
SIDEWINDER MISSILE	06/71	133,700	06/71	133,700	241,700	108,000	81	05
SPARROW F MISSILE	01/67	11,700	06/68	254,100	531,500	277,400	109	05
SRAM MISSILE	10/64	167,100	11/66	236,600	2,183,300	1,946,700	823	04,06

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE AMOUNT	INCREASE OR DECREASE (=) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
TACTICAL LORAN DIGITAL AVIONICS	06/75	50,700	06/75	50,700	50,700			02
TOMA DIGITAL DATA LINK	06/75	83,000	06/75	83,000	83,000			02
SUB TOTAL		41,904,000		51,313,700	74,019,300	22,705,600		
DEPARTMENT OF THE ARMY:								
CONSTRUCTION:								
FT RENNING, GA, EM BARRACKS COMPLEX	02/74	25,002	02/74	25,002	26,433	1,431	6	
FT CAMPRELL, KY, FM BARRACKS COMPLEX	12/72	31,459	12/72	31,459	43,143	11,684	37	
FT LEONARD WOOD, MO, EM BARRACKS COMPLEX	11/72	32,247	11/72	32,247	46,872	14,625	45	
FT STEWART, GA, EM BARRACKS COMPLEX	02/72	28,626	02/72	28,626	29,078	452	2	
WALTER REED ARMY MEDICAL CENTER, DC, HOSPITAL	02/71	112,500	02/71	112,500	134,652	22,152	20	
SYSTEMS:								
AAH HELICOPTER	05/73	1,800,200	05/73	1,800,200	2,835,500	1,035,300	58	
ADVANCED SCOUT HELICOPTER	06/75	791,000	06/75	791,000	791,000			02
AN/TCC-39 COMMUNICATIONS SWITCH	04/74	801,100	04/74	801,100	1,016,100	215,000	27	
AN/TPQ-37 ARTILLERY LOCATING RADAR SET	06/75	235,900	06/75	235,900	235,900			02

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ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
BUSHMASTER GUN	12/69	577,100	12/69	577,100	417,400	159,700-	28-	
CANNON LAUNCHED GUIDED PROJECTILE	06/75	1,116,200	06/75	1,116,200	1,116,200			02
CH-47 HELICOPTER MODIFICATION	06/75	884,300	06/75	884,300	884,300			02
CHAPARRAL MISSILE	1965	95,400	1965	95,400	589,400	494,000	518	
DRAGON MISSILE	10/65	382,200	11/66	404,200	708,900	304,700	75	
HEAVY LIFT HELICOPTER	11/72	189,900	11/72	189,900	218,900	29,000	15	02
HELLFIRE MISSILE (LASER ONLY)	12/72	283,900	12/72	283,900	437,400	153,500	54	
IMPROVED HAWK MISSILE	10/64	335,500	09/68	588,200	984,600	396,400	67	
LANCE MISSILE	08/63	586,700	06/67	652,900	853,600	200,700	31	
MECHANIZED INFANTRY COMBAT VEHICLE	07/71	209,400	04/72	245,400	401,400	156,000	64	
NAVSTAR GLOBAL POSITIONING SYSTEM	06/75	34,000	06/75	34,000	34,000			02
PERSHING II MISSILE	06/75	890,300	06/75	890,300	890,300			02
ROLAND MISSILE	11/73	1,119,500	11/73	1,119,500	1,119,500			
SAFEGUARD MISSILE	05/69	4,185,000	05/69	4,185,000	5,334,000	1,149,000	27	
SAH-D MISSILE	08/65	4,916,800	03/72	5,240,500	5,605,000	364,500	7	
SINGLE CHANNEL GROUND/AIR RADIO	06/75	99,300	06/75	99,300	99,300			02
STINGER MISSILE	07/72	473,800	07/72	473,800	663,300	189,500	40	

APPENDIX II

APPENDIX II

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE AMOUNT	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
TACTICAL FIRE DIRECTION SYSTEM	11/67	123,600	12/67	160,500	294,000	133,500	83	
TACTICAL OPERATIONS SYSTEM	06/75	75,600	06/75	75,600	75,600			02
TOW MISSILE	01/66	410,400	09/66	727,300	1,043,600	316,300	43	
UTTAS HELICOPTER	06/71	2,307,300	06/71	2,307,300	3,323,400	1,016,100	44	
XM-198 HOWITZER	02/70	129,500	09/71	122,500	227,100	104,600	85	
XM1 TANK	12/72	3,005,400	12/72	3,005,400	4,453,800	1,448,400	48	
SUR TOTAL		26,289,134		27,336,534	34,933,678	7,597,144		
DEPARTMENT OF THE NAVY:								
CONSTRUCTION:								
FASTERN TEST RANGE, PATRICK AF BASE, FL, WHARF AND DREDGING	06/73	31,345	06/73	31,345	32,100	755	2	
NAVAL ACADEMY, ANNAPOLIS, MD, ENGINEERING STUDIIS COMPLEX, PHASES 1-3	02/70	27,723	02/70	27,723	29,617	1,894	7	
SUPPORT SITE-TRIDENT, BANGOR, WA:								
TRIDENT TRAINING FACILITY, INCRE- MENTS 1 & 2	06/73	30,121	06/73	30,121	30,121			
TRIDENT UTILITIES & SITE IM- PROVEMENTS, 1ST INCREMENT	06/73	30,296	06/73	30,296	27,729	2,567-	8-	
TRIDENT UTILITIFS & SITE IM- PROVEMENTS, 2ND INCREMENT	04/74	42,873	04/74	42,873	39,065	3,808-	9-	

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
SYSTEMS:								
A-4M AIRCRAFT	06/75	360,800	06/75	360,800	360,800			02
A-6E AIRCRAFT	06/75	941,200	06/75	941,200	941,200			02
A-7E AIRCRAFT	06/68	1,465,600	06/68	1,465,600	2,832,800	1,367,200	93	
AALC LANDING CRAFT	06/75	957,900	06/75	957,900	957,900			02
ACOUSTIC SENSOR PROCESSING	06/75	337,800	06/75	337,800	337,800			02
AD DESTROYER TENDER	06/75	1,678,400	06/75	1,678,400	1,678,400			02
AEGIS MISSILE	04/68	388,000	01/70	427,600	576,800	149,200	35	02
AH-1J HELICOPTER	06/75	253,200	06/75	253,200	253,200			02,07
AN/BQQ-5 SONAR	09/70	610,400	09/70	610,400	1,260,000	649,600	106	
AO FLEET OILER	06/75	1,100,500	06/75	1,100,500	1,100,500			02
AS SUBMARINE TENDER	06/75	805,900	06/75	805,900	805,900			02
CAPTOR ANTI SUBMARINE WEAPON SYSTEM	06/75	913,000	06/75	913,000	913,000			02
CH-53E HELICOPTER	04/73	578,400	04/73	578,400	585,100	6,700	1	
CONDOR MISSILE	11/65	356,300	11/66	441,000	423,200	17,800-	4-	
CVAN-68 CLASS AIRCRAFT CARRIER	1972	1,919,500	1972	2,036,200	2,627,200	591,000	29	
DD-963 DESTROYER	11/67	1,784,400	06/70	2,581,200	3,677,000	1,095,800	42	

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
DIFAR SONARBUOY SYSTEM	07/66	178,500	04/68	408,900	344,200	64,700-	16-	
DLGN-38 FRIGATE	02/69	769,200	12/71	820,400	1,605,000	784,600	96	08
E-2C AIRCRAFT	07/68	586,200	07/68	586,200	1,329,900	743,700	127	
EA-6B AIRCRAFT	11/64	689,700	04/68	817,700	1,647,300	829,600	101	
F-14A AIRCRAFT	06/68	6,166,000	06/68	6,166,000	8,115,500	1,949,500	32	10
F-18 AIRCRAFT	1975	13,430,000	1975	13,430,000	13,430,000			02
FFG-7 SHIP	04/74	3,244,500	04/74	3,244,500	6,782,200	3,537,700	109	09
FLEET SATELLITE COMMUNICATION SYSTEM	06/75	651,900	06/75	651,900	651,900			02
HARM MISSILE	06/72	208,400	06/72	208,400	494,200	285,800	137	
HARPOON MISSILE	07/70	1,071,400	12/73	1,031,800	1,590,300	558,500	54	
HIGH ENERGY LASER	06/75	204,300	06/75	204,300	204,300			02
HXM HELICOPTER	06/75	105,900	06/75	105,900	105,900			02
LAMPS MK I	06/74	276,500	06/74	276,500	298,600	22,100	8	
LAMPS MK III	09/73	1,370,200	09/73	1,370,200	2,170,700	800,500	58	
LHA SHIP	04/69	1,380,300	04/69	1,380,300	1,290,200	90,100-	7-	
MARK-48 TORPEDO	03/64	720,500	11/71	1,753,800	1,844,700	90,900	5	11
P-3C AIRCRAFT	06/67	1,294,200	06/67	1,294,200	3,198,700	1,904,500	147	

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
PHALANX GUN	01/73	568,500	01/73	568,500	835,800	267,300	47	
PHM SHIP	02/73	726,200	02/73	726,200	1,276,500	550,300	76	
PHOENIX MISSILE	1963	370,800	06/63	536,400	1,233,800	697,400	130	
POSEIDON MISSILE SYSTEM	11/66	4,568,700	11/66	4,568,700	4,847,000	278,300	6	04
S-3A AIRCRAFT	11/67	1,763,800	08/69	2,891,100	3,324,400	433,300	15	
SANGUINE-COMMAND & CONTROL COMMUNICATIONS	06/75	534,000	06/75	534,000	534,000			02
SIDEWINDER AIM-9L MISSILE	06/71	99,700	06/71	99,700	181,100	81,400	82	05
SLCM MISSILE	06/75	2,580,900	06/75	2,580,900	2,580,900			02
SOSUS (CAESAR) ANTI SUBMARINE DETECTION & TRACKING SYSTEM	06/75	1,830,300	06/75	1,830,300	1,830,300			02
SPARROW F MISSILE	01/67	139,800	06/68	453,600	789,200	335,600	74	05
SSN-688 SUBMARINE	02/69	1,658,000	01/71	5,747,500	8,623,100	2,875,600	50	
STANDARD (ER) MISSILE	06/75	885,600	06/75	885,600	885,600			
STANDARD (MR) MISSILE	06/75	469,700	06/75	469,700	469,700			07
SURFACE EFFECT SHIPS	06/75	597,100	06/75	597,100	597,100			02
SURTASS ARRAY SENSOR	06/75	485,600	06/75	485,600	485,600			02
TASES SIGNAL SYSTEM	06/75	180,200	06/75	180,200	180,200			02
TEST BED DEVELOPMENT AND DEMONSTRATION	06/75	154,800	06/75	154,800	154,800			02

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE DATE	AMOUNT	BASELINE ESTIMATE DATE	AMOUNT	CURRENT ESTIMATE AMOUNT	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE AMOUNT	%	NOTES
TRIDENT MISSILE SYSTEM	1974	12,431,100	1974	12,431,100	16,327,700	3,896,600	31	04
UH-1H HELICOPTER	06/75	306,600	06/75	306,600	306,600			
V/STOL AIRCRAFT	06/75	619,700	06/75	619,700	619,700			02,07
VCHX-(CON) AIRCRAFT	06/75	395,000	06/75	395,000	395,000			02
		78,327,458		86,464,758	111,071,132	24,606,374		
SUR TOTAL		146,520,592		165,114,992	220,024,110	54,909,118		

DEPARTMENT OF THE ARMY, CORPS  
OF ENGINEERS:

BEACH EROSION:

FIRE ISLAND INLET TO JONES INLET, NY  
(APP. III, P. 55)

FLOOD CONTROL:

ALAMEDA CREEK, DEL VALLE RESERVOIR,  
CA

ALIM CREEK LAKE, OH

AURREY LAKE, TX

B. EVERETT JORDAN DAM AND LAKE, NC  
(APP. III, P. 55)

BEAR CREEK LAKE, CO

1963	10,700	1971	12,820	26,140	13,320	104
1960	15,576	1965	16,400	26,055	9,655	59
1963	22,700	1970	35,500	49,300	13,800	39
1962	34,073	1975	110,000	175,000	65,000	59
1963	25,462	1967	29,500	79,300	49,800	169
1968	32,314	1973	53,000	69,700	16,700	32



ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
BEFCM FORK LAKE, WV (APP. III, P. 55)	1962	11,000	1967	12,800	33,800	21,000	164	
BIG PINE LAKE, IN	1962	15,000	1975	31,200	39,500	8,300	27	
BLOOMINGTON LAKE, MD AND WV	1962	51,000	1970	76,700	148,900	72,200	94	
BLUE MARSH LAKE, PA	1962	12,500	1973	33,100	59,000	25,900	78	
BROOKVILLE LAKE, IN	1937	5,923	1965	27,200	38,600	11,400	42	
BUFFALO BAYOU AND TRIBUTARIES, TX	1954	51,531	1960	51,531	92,800	41,269	80	
BURNSVILLE LAKE, WV	1938	2,748	1971	30,700	43,000	12,300	40	
CAESAR CREEK LAKE, OH (APP. III, P. 55)	1938	3,595	1967	15,900	54,500	38,600	243	
CARLYLE LAKE, IL	1954	27,936	1958	32,515	42,720	10,205	31	
CARR FORK LAKE, KY (APP. IIV, P. 55)	1962	9,020	1965	11,200	45,500	34,300	306	
CATHERINE CREEK LAKE, OR	1965	7,914	1973	18,800	28,700	9,900	53	
CAVE RUIN LAKE, KY (APP. III, P. 55)	1935	1,814	1965	25,400	54,400	29,000	114	
CENTRAL AND SOUTHERN FL (APP. III, P. 55)	1948	237,500	1960	237,500	543,000	305,500	129	
CHARLES RIVER DAM, MA	1968	18,620	1972	22,320	38,850	16,530	74	
CHARTIERS CREEK, PA	1965	12,207	1968	14,400	28,400	14,000	97	
CHATFIELD LAKE, CO	1950	34,200	1967	74,000	86,400	12,400	17	
CHENA RIVER LAKES, AK	1968	111,700	1973	100,000	162,000	62,000	62	

ESTIMATED COST DATA COMPARISON  
 FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
 AT JUNE 30, 1975  
 (DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	DATE	AMOUNT	DATE	AMOUNT	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE	%
	-----	-----	-----	-----	-----	-----
CLAYTON LAKE, OK	1962	13,174	1973	21,900	38,100	75
CLIFTY CREEK LAKE, IN	1963	13,860	1972	20,000	30,700	54
CLINTON LAKE, KS	1962	25,200	1972	44,200	58,300	32
COCHITE LAKE, NM	1960	43,400	1965	48,400	93,500	93
COOPER LAKE AND CHANNELS, TX (APP. III, P. 55)	1955	15,200	1961	15,200	64,600	325
COPAN LAKE, OK	1962	25,578	1971	42,400	64,900	53
COMANESQUE LAKE, PA	1958	28,555	1973	49,300	92,600	88
CUCAMONGA CREEK, CA (APP. III, P. 56)	1968	26,300	1970	30,700	71,000	131
DAY CREEK LAKE, CA (APP. III, P. 56)	1962	42,480	1967	51,000	181,000	255
EAST FORK LAKE, OH (APP. III, P. 56)	1938	4,450	1967	19,000	42,200	122
EAST LYNN LAKE, WV (APP. III, P. 56)	1937	2,974	1965	14,300	34,400	141
EL DORADO LAKE, KS (APP. III, P. 56)	1965	23,300	1971	29,300	76,300	160
EL PASO, TX (APP. III, P. 56)	1965	12,500	1968	16,000	35,500	122
ELIZABETH, NJ (APP. III, P. 56)	1964	9,769	1969	11,400	28,740	152
ELK CREEK LAKE, OH (APP. III, P. 56)	1962	17,467	1971	27,200	63,800	135
EVANSVILLE, IN (APP. III, P. 56)	1937	2,143	1959	12,500	36,700	194
FALLS LAKE, NC (APP. III, P. 56)	1965	18,600	1971	29,600	84,200	184

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ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
FIRE ISLAND INLET TO MONTAUK PT., NY (APP. III, P. 56)	1960	19,700	1965	19,700	83,730	64,030	325	
FOUR MILE RUN, CITY OF ALEXANDRIA & ARLINGTON CO, VA	1974	29,981	1974	29,981	41,881	11,900	40	
FOUR RIVER BASINS, FL (APP. III, P. 56)	1962	56,261	1966	56,300	128,000	71,700	127	
FREEPORT & VICINITY, TX (APP. III, P. 56)	1961	3,740	1962	3,850	25,600	21,750	565	
GATHRIGHT LAKE, VA (APP. III, P. 56)	1946	13,000	1967	16,300	68,000	51,700	317	
HIDDEN LAKE, CA	1959	14,338	1968	17,400	26,000	8,600	49	
HILLSDALE LAKE, KS	1960	9,400	1973	37,300	52,500	15,200	41	
KANSAS CITY, KS	1962	17,833	1970	24,300	47,500	23,200	95	
KAW LAKE, OK	1961	83,230	1964	86,600	113,000	26,400	30	
LAFARGE LAKE AND CHANNEL IMPROVE- MENT, WI (APP. III, P. 56)	1962	15,570	1971	24,100	51,500	27,400	114	
LAFAYETTE LAKE, IN (APP. III, P. 57)	1945	26,400	1971	38,000	88,900	50,900	134	
LAKE PONTCHARTRAIN AND VICINITY, LA (APP. III, P. 57)	1965	56,235	1967	65,784	241,000	175,216	266	
LAKEVIEW LAKE, TX	1972	31,180	1975	105,000	174,000	69,000	66	
LAVON LAKE MODIFICATION AND EAST FORK CHANNEL IMPROVEMENTS, TX (APP. III, P. 57)	1962	23,760	1967	27,300	59,400	32,100	118	

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE AMOUNT	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
LINCOLN LAKE, IL (APP. III, P. 57)	1965	30,720	1971	39,900	91,200	51,300	129	
LITTLE BLUE RIVER CHANNEL, MO (APP. III, P. 57)	1966	4,642	1973	6,870	28,000	21,130	308	
LOS ANGELES COUNTY DRAINAGE AREA, CA	1936	338,000	1960	338,000	322,000	16,000-	5-	
LYTLE & WARM CREEKS, CA (APP. III, P. 57)	1965	9,750	1971	13,000	31,500	18,500	142	
MANKATO & N. MANKATO, MIJ (APP. III, P. 57)	1959	2,042	1968	5,200	32,500	27,300	525	
MERAMEC PARK LAKE, MO	1938	79,100	1973	79,100	112,000	32,900	42	
MILL CREEK, OH	1969	32,642	1975	57,649	92,300	34,651	60	
MISSOURI RIVER LEVEE SYSTEM (APP. III, P. 57)	1928	60,600	1963	60,600	173,000	112,400	185	
NAPA RIVER, CA	1965	14,950	1970	18,190	34,300	16,110	89	
NEW ORLEANS TO VENICE HURRICANE PROTECTION, LA (APP. III, P. 57)	1962	7,502	1964	7,580	85,400	77,820	1,027	
OPTIMA LAKE, OK	1936	21,100	1967	21,100	41,500	20,400	97	
PAINT CREEK LAKE, OH	1938	3,835	1965	22,500	26,700	4,200	19	
PAINTSVILLE LAKE, NY	1965	16,495	1971	22,700	38,200	15,500	68	
PAPILLION CREEK, NE (APP. III, P. 57)	1966	26,800	1972	38,000	103,300	65,300	172	
PATOKA LAKE, IN (APP. III, P. 57)	1969	20,440	1968	17,000	43,300	26,300	155	

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
PORT ARTHUR AND VICINITY, TX	1962	23,380	1966	40,600	65,300	24,700	61	
PORTUGUES & RUCANA RIVERS, PR	1970	49,900	1975	92,900	113,000	20,100	22	
R.D. BAILEY LAKE, WV	1962	60,477	1967	82,600	142,000	59,400	72	
RAYSTOWN LAKE, PA	1962	32,150	1967	49,000	76,600	27,600	56	
RED RIVER LAKE, KY (APP. III, P. 57)	1962	8,020	1967	10,700	35,200	24,500	229	
RED RIVER LEVEES AND BANK STABILIZATION (APP. III, P. 57)	1946	10,000	1961	10,000	48,500	38,500	385	
RIRIE LAKE, ID (APP. III, P. 58)	1962	7,027	1967	13,100	30,600	21,500	164	
RIVER ROUGE, MI (APP. III, P. 58)	1962	8,659	1965	9,620	27,600	17,980	187	
SACRAMENTO RIVER BANK PROTECTION, CA (APP. III, P. 58)	1960	14,240	1963	15,100	68,800	53,700	356	
SAGINAW RIVER, MI (APP. III, P. 58)	1958	16,200	1963	16,200	52,800	36,600	226	
SAN ANTONIO CHANNEL IMPROVEMENT, TX (APP. III, P. 58)	1953	14,350	1957	14,700	42,700	28,000	190	
SAN GABRIEL RIVER, TX (APP. III, P. 58)	1962	45,450	1968	53,100	118,000	64,900	122	
SAYLORVILLE LAKE, IA (APP. III, P. 58)	1958	44,500	1964	36,500	88,000	51,500	141	
SKIATOOK LAKE, OK	1961	22,875	1973	42,500	63,800	21,300	50	
SMITHVILLE LAKE, MO	1964	21,500	1972	39,000	58,800	19,800	51	

ESTIMATED COST DATA COMPARISON  
 FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
 AT JUNE 30, 1975  
 (DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	DATE	AMOUNT	DATE	AMOUNT	CURRENT ESTIMATE	ESTIMATE INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE	NOTES
SOUTHWESTERN JEFFERSON COUNTY, KY	1968	21,940	1973	26,800	37,100	10,300	3A
STONEMALL JACKSON LAKE, WV	1966	35,141	1970	40,500	106,000	65,500	162
TALLAHALA CREEK LAKE, MS	1968	13,800	1973	19,200	39,500	20,300	106
TAYLORSVILLE LAKE, KY	1966	21,880	1971	29,100	56,200	27,100	93
TEXAS CITY AND VICINITY, TX	1958	6,240	1962	6,470	29,100	22,430	336
TIOGA-HAMMOND LAKES, PA	1958	53,575	1972	88,200	156,000	67,800	77
TOMIGHEE RIVER AND TRIBUTARIES, MS AND AL	1958	19,311	1965	24,000	61,600	37,600	157
TRINIDAD LAKE, CO	1958	19,200	1965	21,000	43,760	22,760	108
TYRONE, PA	1940	1,392	1972	14,600	31,000	16,400	112
WALNUT CREEK, CA	1960	17,980	1968	21,300	43,900	22,600	106
WATERLOO, IA	1965	14,900	1970	17,200	33,800	16,600	97
WAURIKA LAKE, OK	1962	25,100	1976	37,500	79,700	42,200	113
VALESVILLE LAKE, KY	1965	20,007	1973	28,800	48,600	19,800	69
SUB TOTAL		2,745,763		3,741,760	7,290,136	3,552,376	
ATCMALAYA BASIN, LA	1927	120,000	1967	286,000	889,000	565,000	199

MISSISSIPPI RIVER AND TRIBUTARIES:

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE AMOUNT	INCREASE OR DECREASE (+) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
LOWER RED RIVER SOUTH BANK	1927	8,990	1967	17,200	29,700	12,500	73	
MISSISSIPPI RIVER CACHE BASIN (APP. III, P. 59)	1949	25,000	1967	25,600	86,000	60,400	236	
MISSISSIPPI RIVER CHANNEL IMPROVEMENTS (APP. III, P. 59)	1927	468,000	1967	942,000	2,027,000	1,085,000	115	
MISSISSIPPI RIVER LEVFEES (APP. III, P. 59)	1927	221,000	1967	265,000	911,000	646,000	244	
MISSISSIPPI RIVER ST. FRANCIS BASIN (APP. III, P. 59)	1935	88,200	1967	127,000	258,000	131,000	103	
MISSISSIPPI RIVER TENSAS BASIN, LA (APP. III, P. 59)	1940	31,700	1967	86,400	231,400	145,000	168	
MISSISSIPPI RIVER WEST TENNESSEE TRIBUTARIES (APP. III, P. 59)	1947	8,400	1967	10,700	43,400	32,700	306	
MISSISSIPPI RIVER YAZOO BASIN (APP. III, P. 59)	1935	195,000	1967	217,000	626,000	409,000	188	
OLD RIVER CONTROL, LA	1953	80,000	1967	70,000	81,200	11,200	16	
SUB TOTAL		1,246,290		2,044,900	5,142,700	3,097,800		
MULTIPURPOSE PROJECTS INCLUDING POWER:								
RONNEVILLE LOCK AND DAM, OR AND WA (MODIFICATION FOR PEAKING) (APP. III, P. 60)	1967	12,700	1970	13,500	30,800	17,300	128	
RONNEVILLE SECOND POWERHOUSE, OR AND WA	1937	108,100	1974	267,000	447,402	180,402	68	12

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
CARTERS LAKE, GA (APP. III, P. 60)	1945	38,000	1962	38,000	106,000	68,000	179	
CHIEF JOSEPH DAM, RUFUS WOODS LAKE, WA	1946	57,500	1973	167,000	267,000	100,000	60	
CLARENCE CANNON DAM, MO (APP. III, P. 60)	1962	63,300	1966	70,600	215,000	144,400	205	
CORDELL HULL DAM AND RESERVOIR, TN	1946	19,900	1963	39,900	79,200	39,300	98	
COUGAR LAKE, OR	1950	42,900	1960	42,900	57,500	14,600	34	
DALLEY LOCK AND DAM, WA AND OR	1950	53,173	1967	64,000	69,500	5,500	9	
DEGRAY LAKE, AR (APP. III, P. 60)	1950	32,500	1962	32,500	68,300	35,800	110	
DWORSHAK DAM AND LAKE, ID	1962	127,166	1963	186,000	312,000	126,000	68	
HARRY S. TRUMAN DAM AND RES., MO (APP. III, P. 60)	1958	102,000	1965	146,200	413,000	266,800	182	
ICE HARBOR ADDITIONAL UNITS, SACAJAWEA, WA	1945	20,000	1971	26,400	38,800	12,400	47	
JOHN DAY LOCK AND DAM, OR AND WA	1950	387,000	1960	387,000	496,000	109,000	28	
JONES BLUFF LOCK AND DAM, AL	1945	52,600	1966	52,600	77,300	24,700	47	
LAUREL RIVER LAKE, KY	1960	21,900	1965	22,700	44,900	22,200	98	
LIRRY DAM & LAKE, KOOCANUSA, MT	1950	308,000	1966	349,000	478,000	129,000	37	
LITTLE GOOSE ADDITIONAL UNITS, WA	1945	20,000	1974	34,100	55,800	21,700	64	
LITTLE GOOSE LOCK AND DAM, WA	1945	139,000	1963	144,000	160,687	16,687	12	



ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	AMOUNT	
LOST CREEK LAKE, OR	1962	74,540	1967	83,100	141,000	57,900	70	
LOWER GRANITE LOCK AND DAM, WA	1945	118,000	1965	174,000	310,000	136,000	78	
LOWER GRANITE ADDITIONAL UNITS, WA	1945	20,000	1974	34,100	49,300	15,200	45	
LOWER MONUMENTAL LOCK AND DAM, WA	1945	138,000	1961	151,000	185,400	34,400	23	
MENARY LOCK AND DAM, OR AND WA	1945	236,400	1960	236,400	302,000	65,600	28	
NEW MELONES LAKE, CA (APP. III, P. 60)	1962	114,000	1966	122,000	283,000	161,000	132	
RICHARD B. RUSSELL (TROTTERS SHOALS) DAM AND LAKE, GA AND SC	1965	85,000	1975	178,000	231,000	53,000	30	
SNETTISHAM POWER PROJECT, AK (APP. III, P. 60)	1962	41,634	1967	41,500	104,000	62,500	151	
SPEWRELL BLUFF LAKE, GA	1963	63,200	1971	91,800	183,000	91,200	99	
TOCKS ISLAND LAKE, PA, NJ, AND NY	1962	90,400	1971	235,000	426,500	191,500	81	
WEST POINT LAKE, GA AND AL (APP. III, P. 60)	1952	53,000	1965	53,000	118,000	65,000	123	
WOLF CREEK DAM, LAKE CUMBERLAND, KY	1973	64,000	1975	64,000	90,700	26,700	42	
SUB TOTAL		2,703,913		3,547,300	5,841,089	2,293,789		
NAVIGATION:								
CANNELTON LOCKS AND DAM, IN AND KY	1960	68,400	1962	71,700	97,300	25,600	36	
COLUMBIA & LOWER WILLIAMETTE RIVER, OR AND WA	1962	20,100	1964	21,400	27,800	6,400	30	

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE AMOUNT	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
COOPER RIVER - CHARLESTON HARBOR, SC	1966	35,381	1975	74,000	91,000	17,000	23	
CORPUS CHRISTI SHIP CHANNEL, TX	1968	19,402	1972	20,400	30,000	9,600	47	
DELAWARE RIVER - PHILADELPHIA TO SEA ANCHORAGE, NJ	1958	25,447	1963	28,100	41,900	13,800	49	
FALL RIVER HARBOR, MA AND RI (APP. III, P. 60)	1968	8,762	1971	12,800	29,500	16,700	130	
GREAT LAKES CONNECTING CHANNELS, MI	1966	10,982	1960	146,500	144,000	2,500-	2-	
HAMPTON ROADS, VA	1965	28,900	1966	32,700	33,700	1,000	3	
HANNIBAL LOCKS AND DAM, OH AND WV	1961	55,909	1966	66,700	87,500	20,800	31	
ILLINOIS WATERWAY CALUMET (SAG MODIFICATION, PT 1), IL AND IN	1945	21,390	1960	92,500	93,300	800	1	
INLAND WATERWAY - DELAWARE RIVER TO CHESAPEAKE BAY, PT. II, DE AND MD	1954	95,000	1962	98,800	112,100	13,260	13	
JACKSONVILLE HARBOR, FL (APP. III, P. 61)	1965	8,484	1968	8,800	36,600	27,800	316	
JOHN HOLLIS BANKHEAD LOCK AND DAM, AL	1965	24,800	1970	34,600	46,000	11,400	33	
KASKASKIA RIVER, IL	1962	58,200	1966	66,200	124,000	57,800	87	
LOCK & DAM NO. 53 (TEMP. LOCK), IL AND KY (APP. III, P. 61)	1971	15,800	1974	17,800	37,100	19,300	108	

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE AMOUNT	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
MISSISSIPPI RIVER BETWEEN OHIO AND MISSOURI RIVERS:								
REGULATING WORKS, IL AND MO (APP. III, P. 61)	1910	61,900	1960	61,900	144,000	82,100	133	
MISSISSIPPI RIVER GULF OUTLET, LA (APP. III, P. 61)	1956	101,000	1961	105,000	320,000	215,000	205	
MISSISSIPPI RIVER, BATON ROUGE TO GULF, LA (APP. III, P. 61)	1957	34,025	1959	34,025	76,900	42,875	126	
MISSISSIPPI RIVER, L & D 26	1968	203,000	1974	307,000	483,000	176,000	57	
MISSOURI RIVER, SIOUX CITY TO MOUTH	1972	349,000	1972	349,000	450,000	101,000	29	
NEW YORK HARBOR (ANCHORAGE), NY	1965	44,852	1968	45,700	28,400	17,300-	38-	
NEW YORK HARBOR, COLLECTION & REMOVAL OF DRIFT, NY	1974	16,227	1975	23,830	31,600	7,770	33	
NEWBURGH LOCKS AND DAM, IN AND KY	1962	58,400	1965	62,000	107,000	45,000	73	
OUACHITA AND BLACK RIVERS, AR AND LA (APP. III, P. 61)	1960	43,550	1963	45,500	173,000	127,500	280	
RED RIVER WATERWAY (MISS. RIVER TO SHREVEPORT, LA, AR AND OK) (APP. III, P. 61)	1968	148,104	1974	393,000	956,000	563,000	143	
SAN FRANCISCO BAY TO STOCKTON, CA	1965	46,853	1970	54,700	95,200	40,500	74	
SMITHLAND LOCKS AND DAM, IL AND KY (APP. III, P. 61)	1965	90,000	1970	110,000	238,000	128,000	116	

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
TAMPA HARBOR (MAIN CHANNEL), FL	1970	72,960	1975	97,500	118,000	20,500	21	
TENNESSEE TOMBIGBE WATERWAY, AL AND MS (APP. III, P. 61)	1963	263,000	1971	323,000	1,360,000	1,037,000	321	
UNIONTOWN LOCKS AND DAM, IN AND KY	1958	51,000	1965	61,700	97,100	35,400	57	
WALLISVILLE LAKE, TX (APP. III, P. 62)	1962	9,162	1966	9,920	28,800	18,880	190	
WILLOW ISLAND LOCKS AND DAM, OH AND WV	1963	66,400	1965	70,300	75,700	5,400	8	
WRIGHT-PATMAN LAKE, TX	1945	20,300	1960	33,800	43,300	9,500	28	
SUB TOTAL		2,176,690		2,980,915	5,857,800	2,876,885		
TOTAL		8,923,356		12,327,695	24,161,865	11,834,170		
DEPARTMENT OF THE INTERIOR:								
BONNEVILLE POWER ADMINISTRATION:								
ASHE-WILLAMETTE VALLEY TRANSMISSION FACILITIES	02/74	113,700	02/74	113,700	146,200	32,500	29	
CHIEF JOSEPH INTEGRATING TRANSMISSION FACILITY	02/67	31,300	02/67	31,300	35,610	4,310	14	
GRAND COULEE-RAVER TRANSMISSION LINES	02/72	55,000	06/72	72,000	100,575	28,575	40	
HOT SPRINGS-BELL TRANSMISSION FACILITIES	06/74	57,900	06/74	57,900	57,900			

ESTIMATED COST DATA COMPARISON  
 FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
 AT JUNE 30, 1975  
 (DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
LOWER SNAKE TRANSMISSION FACILITIES	02/67	40,800	02/67	40,800	38,760	2,040-	5-	
MONROE-CUSTER TRANSMISSION	02/68	18,140	02/68	18,140	26,380	8,240	45	
SUB TOTAL		316,840		333,840	405,425	71,585		
BUREAU OF RECLAMATION:								
BRANTLEY PROJECT, NM	1972	45,605	1972	45,605	68,954	23,349	51	
CENTRAL ARIZONA PROJECT:								
NAVAJO PARTICIPATION AGREEMENT (POWER PLANT)	1968	115,200	1968	115,200	209,500	94,300	82	
WATER DEVELOPMENT	1968	716,980	1968	716,980	1,195,000	478,020	67	
CENTRAL VALLEY:								
AUBURN-FOLSOM SOUTH UNIT (WATER CONTROL), CA	1965	425,000	1965	425,000	847,508	422,508	99	
SACRAMENTO RIVER DIVISION (IRRIGATION), CA	1950	111,365	1950	111,365	219,694	108,329	97	
SAN FELIPE DIVISION, CA	1967	92,380	1967	92,380	150,819	58,439	63	14
SAN LUIS UNIT (WATER CONTROL), CA	1960	483,080	1960	483,080	689,685	206,605	43	13
COLORADO RIVER BASIN SALINITY CONTROL PROJECTS - CONSTRUCTION	1974	155,500	1974	155,500	155,500			
COLUMBIA BASIN:								

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ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
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AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE AMOUNT	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
IRRIGATION FACILITIES	1935	925,416	1935	925,416	1,830,599	905,183	98	15
THIRD POWER PLANT	1966	390,000	1966	390,000	490,000	100,000	26	
DRAINAGE AND MINOR CONSTRUCTION PROJECTS:								
A.I.L. AMERICAN CANAL SYSTEM, CA	1928	38,500	1928	38,500	64,515	26,015	68	
GTLA, AZ	1947	53,069	1947	53,069	77,820	24,751	47	
KENDRICK, WY	1935	26,381	1935	26,381	34,407	8,026	30	
KLAMATH, CA AND OR (APP. III, P. 62)	1905	4,394	1905	4,394	27,712	23,318	531	
PALISADES, ID AND WY	1950	76,601	1950	76,601	61,561	15,040-	20-	
PARKER-DAVIS, AR AND CA (APP. III, P. 62)	1941	68,785	1941	68,785	161,045	92,260	134	
SAN ANGELO, TX	1957	32,220	1957	32,220	25,125	7,095-	22-	
WASHITA, OK	1956	40,600	1956	40,600	29,745	10,855-	27-	
WASHOF, CA AND NV	1956	50,452	1956	50,452	68,232	17,780	35	
WEBER BASIN, UT	1949	69,534	1949	69,534	94,809	25,275	36	
FRYINGPAN ARKANSAS PROJECT (WATER CONTROL), CO	1962	170,000	1974	501,000	472,120	28,880-	6-	16
MOUNTAIN PARK PROJECT (WATER CONTROL), OK	1968	19,978	1968	26,035	40,833	14,798	57	
NAVAJO INDIAN IRRIGATION PROJECT, NM	1970	206,000	1970	206,000	302,000	96,000	47	17

ESTIMATED COST DATA COMPARISON  
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AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE AMOUNT	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
PACIFIC N.W. -PACIFIC S.W. INTERIE (TRANSMISSION LINES), AR, CA AND NV	1964	130,630	1964	130,630	234,240	103,610	79	18
PALMETTO BEND PROJECT (WATER CONTROL CONSTRUCTION), TX	1968	36,800	1968	36,800	69,920	33,120	90	
PICK-SLOAN MISSOURI RIVER BASIN PROGRAM:								
GARRISON DIVERSION UNIT, ND AND SD (APP. III, P. 62)	1965	207,000	1965	207,000	418,800	211,800	102	19
NARROWS UNIT, CO	1970	68,050	1970	68,050	98,660	30,610	45	
DAHE UNIT, SD	1968	191,670	1968	191,670	335,000	143,330	75	
TRANSMISSION DIVISION, VARIOUS	1972	384,403	1972	384,403	384,403			20
PICK-SLOAN MISSOURI BASIN PROGRAM:								
ATNSWORTH, NE	1972	25,435	1972	25,435	25,060	375	1	
ROSTWICK DIVISION, KS AND NE	1972	50,783	1972	50,783	51,807	1,024	2	
FARWELL UNIT, NE	1972	36,377	1972	36,377	36,984	607	2	
FRFNCHMAN CAMBRIDGE DIVISION, NE	1972	81,649	1972	81,649	82,209	560	1	
GLEN ELDER UNIT, KS	1972	57,350	1972	57,350	56,111	1,239	2	
YELLOWTAIL UNIT, MT AND WY	1972	90,800	1972	90,800	94,700	3,900	4	

ESTIMATED COST DATA COMPARISON  
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AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
SOUTHERN NEVADA WATER PROJECT (DRAINAGE), NV	1965	81,003	1965	81,003	102,859	21,856	27	
TETON BASIN, LOWER TETON DIVISION (WATER CONTROL), ID	1964	52,000	1964	52,000	96,410	44,410	85	
TUALATIN PROJECT (WATER CONTROL), OR (APP. III, P. 62)	1966	20,900	1966	20,900	49,242	28,342	136	21
UPPER COLORADO RIVER STORAGE PROJECT:								
CENTRAL UTAH PARTICIPATING PROJECT, BONNEVILLE UNIT, UT	1972	420,404	1972	420,404	513,073	92,669	22	22
CENTRAL UTAH PROJECT, RECREATION FISH & WILDLIFE FOR BONNEVILLE	1972	19,981	1972	19,981	32,218	12,237	61	
CURECANTI UNIT, CO	1972	129,611	1972	129,611	131,299	1,688	1	23
DALLAS CREEK, CO	1968	40,841	1968	40,841	70,738	29,897	73	
FRUITLAND MESA, CO	1964	27,185	1964	27,185	49,800	22,615	83	
GLEN CANYON, AZ AND UT (DRAINAGE AND MINOR CONSTRUCTION)	1972	247,739	1972	247,739	249,741	2,002	1	24
SAN JUAN-CHAMA PARTICIPATING PROJECT	1962	85,828	1962	85,828	98,337	12,509	15	
SAVERY-POT HOOK, CO AND WY (APP. III, P. 63)	1964	15,406	1964	15,406	55,285	39,879	259	
TRANSMISSION DIVISION	1972	220,286	1972	220,286	235,042	14,756	7	25
SUB TOTAL		7,039,171		7,376,228	10,889,121	3,512,893		



ESTIMATED COST DATA COMPARISON  
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AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
NATIONAL PARK SERVICE:								
NATIONAL HISTORICAL PARKS:								
C & O CANAL, MD, WV AND DC	1971	51,371	1972	62,024	104,688	42,664	69	72
INDEPENDENCE, PA			1967	24,072	42,635	18,563	77	
NATIONAL HISTORIC SITES:								
SAN JUAN, PR			1974	34,918	38,999	4,081	12	
NATIONAL LAKESHORES:								
INDIANA DUNES, IN	1966	5,767	1974	56,124	76,513	20,389	36	
SLEEPING BEAR DUNES, MI	1970	18,769	1974	87,271	87,459	188		
NATIONAL PARKS:								
CANYONLANDS, UT	1964	20,744	1971	25,846	29,881	4,035	16	
GLACIER, MT			1967	33,539	48,363	14,824	44	
GRAND CANYON, AZ			1967	44,208	70,667	26,459	60	
GRAND TETON, WY			1967	24,646	35,861	11,215	46	
GREAT SMOKY MOUNTAINS, TN AND NC			1967	77,477	127,342	49,865	64	
MOUNT RAINIER, WA			1967	31,232	28,058	3,174-	10-	
NORTH CASCADES, WA	1968	35,295	1968	35,295	31,982	3,313-	9-	

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AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
ROCKY MOUNTAIN, CO			1967	33,695	28,085	5,610-	17-	
SEQUOIA & KINGS CANYON, CA			1967	28,241	50,803	22,562	80	
YELLOWSTONE, MT, WY AND ID			1967	105,149	131,296	26,147	25	
YOSEMITE, CA (APP. III, P. 63)			1967	34,926	80,221	45,295	130	
NATIONAL RECREATION AREAS:								
BIGHORN CANYON, MT	1966	11,780	1969	24,290	48,256	23,966	99	
GATEWAY, NJ-NY	1972	92,813	1972	92,813	91,504	1,309-	1-	
GLEN CANYON, AZ AND UT			1967	33,052	45,697	12,645	38	
GOLDEN GATE, CA	1972	58,000	1972	58,000	58,043	43		
LAKE MEAD, AZ AND NV			1968	32,200	56,293	24,093	75	
NATIONAL SEASHORES:								
CUMBERLAND ISLAND, GA			1972	27,840	38,195	10,355	37	
POINT REYES, CA			1969	25,601	16,255	9,346-	37-	
NATIONAL VISITOR CENTER, WASHINGTON, DC	1968	87,500	1973	96,180	118,070	21,890	23	26
PARKWAYS:								
BLUE RIDGE, VA, NC AND GA			1968	175,649	313,471	137,822	78	
G. W. MEMORIAL, VA AND MD			1967	46,915	29,807	17,108-	36-	

ESTIMATED COST DATA COMPARISON  
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AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES	
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%		
NATCHEZ TRACE, MS, TN AND AL (APP. III, P. 63)			1967	111,578	267,831	156,253	140		
		SUB TOTAL		382,039		1,462,781	2,096,275	633,494	
		TOTAL		7,738,050		9,172,849	13,390,821	4,217,972	
DEPARTMENT OF TRANSPORTATION:									
FEDERAL AVIATION ADMINISTRATION:									
AIRCRAFT AND RELATED EQUIPMENT	02/72	57,450	02/72	57,450	57,482	32			
ARTS III AUTOMATED RADAR TERMINAL SYSTEMS	06/67	33,000	06/67	33,000	64,500	31,500	95		
BUILDING EXPANSION	04/71	34,000	04/71	34,000	34,606	606	2		
LONG RANGE RADARS (ARSR-5 PROGRAM)	08/69	59,400	02/74	80,050	80,050				
NATIONAL AIRSPACE SYSTEMS, STAGE A (APP. III, P. 63)	10/65	212,000	10/65	212,000	618,600	406,600	192		
		SUB TOTAL		395,850		416,500	855,238	438,738	
FEDERAL HIGHWAY ADMINISTRATION:									
DARIEN GAP HIGHWAY	1970	150,000	1970	150,000	254,000	104,000	69	27	
INTERSTATE HIGHWAY SYSTEM (APP. III, P. 64)	1958	37,570,000	1958	37,570,000	99,800,000	62,230,000	166	28	
		SUB TOTAL		37,720,000		37,720,000	100,054,000	62,334,000	

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AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
U.S. COAST GUARD:								
LORAN C-NATIONAL IMPLEMENTATION PLAN	03/75	51,530	03/75	51,530	51,530			
MEDIUM RANGE SURVEILLANCE AIRCRAFT (APP. III, P. 64)	03/74	83,293	03/74	83,293	170,050	86,757	104	
POLAR SEA	09/73	66,000	09/73	66,000	66,000			
POLAR STAR	06/71	59,000	06/71	59,000	59,000			
PUBLIC FAMILY HOUSING	03/74	60,000	03/74	60,000	62,493	2,493	4	
REPLACEMENT HARBOR TUGBOATS	03/75	62,000	03/75	62,000	62,000			
SUB TOTAL		381,823		381,823	471,073	89,250		
URBAN MASS TRANSPORTATION ADMINISTRATION:								
DEVELOPMENT & DEMONSTRATION PROJECTS:								
MORGANTOWN PERSONAL RAPID TRANSIT SYSTEM (APP. III, P. 64)	05/71	28,300	05/71	28,300	65,800	37,500	133	
NEW TRANSIT BUS	04/72	22,180	04/72	22,180	28,650	6,470	29	
URBAN RAPID RAIL VEHICLES & SYSTEMS PROGRAM (APP. III, P. 64)	04/72	11,029	04/72	11,029	42,217	31,188	283	
MASS TRANSIT GRANTS:								
ATLANTA RAPID TRANSIT DISTRICT -BUSES & RELATED EQUIPMENT	10/71	45,267	10/71	45,267	57,188	11,921	26	29

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	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
RAY AREA RAPID TRANSIT DIST. - SUBWAY, SAN FRANCISCO & OAKLAND, CA (APP. III, P. 64)	1968	158,213	1968	158,213	318,239	160,026	101	30
RAY AREA RAPID TRANSIT DIST. - TRANSIT VEHICLES & OTHER RELATED EQUIPMENT	06/73	32,522	06/73	32,522	41,553	9,031	28	58
CHICAGO DEPT. OF PUBLIC WORKS - EXTENSION OF KENNEDY RAPID TRANSIT LINE	03/67	38,842	03/67	38,842	50,242	11,400	29	31
CHICAGO N. W. SUBURBAN MASS TRANSIT DIST. -BI-LEVEL CARS, LAND & SUPPORT EQUIPMENT	12/72	31,427	12/72	31,427	31,427			62
CHICAGO S. SUBURBAN MASS TRANSIT DIST.-COMMUTER RAIL CARS	12/68	38,160	12/68	38,160	40,767	2,607	7	32
CHICAGO TRANSIT AUTH. - BUSES, RAIL CARS & RELATED EQUIPMENT	06/74	87,507	06/74	87,507	87,507			34
CHICAGO TRANSIT AUTH. - BUSES, RAIL CARS & RELATED EQUIPMENT	12/71	79,948	12/71	79,948	148,749	68,801	86	33
CHICAGO W. SUBURBAN MASS TRANSIT DIST. - COMMUTER LOCO- MOTIVES & CARS	03/72	37,817	03/72	37,817	43,035	5,218	14	35
CITY & CO. OF SAN FRANCISCO - BUILD FACIL. AT POWELL ST., CIVIC CENTER & MONTGOMERY STA.	05/66	39,683	05/66	39,683	29,683	10,000-	25-	55
CITY & CO. OF SAN FRANCISCO - BUILD SUBWAY, SURFACE RAIL CAR SYSTEM & RELATED FACILITIES (APP. III, P. 65)	10/71	29,577	10/71	29,577	69,150	39,573	134	56

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	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
CITY & COUNTY OF SAN FRANCISCO - ADDITIONAL VEHICLES & SYSTEMS IMPROVEMENTS	06/74	25,697	06/74	25,697	25,697			59
CITY OF CHICAGO - CONSTRUCT DAN RYAN RAPID TRANSIT LINE	03/67	29,941	03/67	29,941	43,554	13,613	45	61
CONNECTICUT DEPT. OF TRANSP. RAIL CARS AND RELATED FACILITIES	04/70	31,949	04/70	31,949	43,624	11,675	37	60
CONNECTICUT DEPT. OF TRANSP. - PUR- CHASE & REMAB. OF RAIL EQUIP. & RELATED FACILITIES (APP. III, P. 65)	02/72	22,685	02/72	22,685	102,005	79,320	350	36
DELAWARE RIV. PORT AUTH. OF PA-NJ - BUILD WOODCREST STA. & BUY CARS & RELATED EQUIP.	06/73	34,904	06/73	34,904	34,904			64
MARYLAND DEPT. OF TRANSP. - CONSTRUCT BALTIMORE RAPID RAIL SYSTEM (APP. III, P. 65)	10/72	33,750	10/72	33,750	191,564	157,814	468	37
MASS BAY TRANSP. AUTH. - RAPID TRANSIT CARS AND EQUIPMENT	05/73	27,626	05/73	27,626	27,626			66
MASS. BAY TRANSP. AUTH. - S. BAY MAINTENANCE CENTER PROJECT & BUY, RELOCATE & CONSTRUCT TRACK	04/71	28,200	04/71	28,200	35,461	7,261	26	65
MASS. BAY TRANSP. AUTH. BOSTON VEHICLES FOR MBTA'S GREEN LINE	09/72	49,200	09/72	49,200	58,736	9,536	19	41
MASS. BAY TRANSP. AUTH. BOSTON - BUILD PART OF S. SHORE LINE & BUY CARS & FACILITIES	03/68	51,821	03/68	51,821	57,307	5,486	11	38

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AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
MASS. BAY TRANSP. AUTH. BOSTON - CONSTRUCT TRANSIT LINE & ACQUIRE RIGHT OF WAY	06/69	76,293	06/69	76,293	97,233	20,940	27	39
MASS. BAY TRANSP. AUTH. BOSTON - UPGRADE MBTA'S GREEN LINE	02/72	38,120	02/72	38,120	38,120			40
METRO. ATLANTA RAPID TRANSIT DIST. -SUBWAY (APP. III, P. 65)	06/73	104,300	06/73	104,300	354,764	250,464	240	42
MUNICIPALITY OF METRO. SEATTLE - TROLRIES, MOTOR COACHES & RELATED FACILITIES	05/75	45,403	05/75	45,403	45,403			43
NEW JERSEY DEPT. OF TRANSP. - BUY BUSES	01/75	75,000	01/75	75,000	75,000			45
NEW JERSEY DEPT. OF TRANSP. - REHAB. ERIE LACKAWANNA LINE & BUY RAIL CARS (APP. III, P. 65)	06/74	4,104	06/74	4,104	100,104	96,000	2,339	44
NEW YORK CITY TRANSIT AUTH. - BUILD SUBWAY LINES & BUY CARS AND EQUIPMENT (APP. III, P. 65)	06/72	290,698	06/72	290,698	733,601	442,903	152	46
NEW YORK CITY TRANSIT AUTH. - BUSES & RELATED FACILITIES	06/74	47,295	06/74	47,295	47,295			47
NEW YORK METRO. TRANSIT AUTH. - EXTENSION & REHAB. OF LONG ISLAND RAILROAD ELECTRIFICATION	05/67	98,839	05/67	98,839	127,718	28,879	29	48
PHILADELPHIA RAIL STATION & HIGH SPEED LINE TO AIRPORT	06/70	68,750	06/70	68,750	100,050	31,300	46	49

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ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
PORT AUTHORITY OF ALLEGHENY CO., PITTSBURGH - ELEVATED TRANSIT SYSTEM (APP. III, P. 66)	07/70	13,050	07/70	13,050	102,384	89,334	685	50,71
PORT AUTHORITY TRANS-HUDSON CORP. (NY-NJ) JOURNAL SQ. TRANS. CENTER & OTHER FACIL. (APP. III, P. 66)	03/68	8,503	03/68	8,503	59,219	50,716	596	63
S. CALIF. RAPID TRANSIT DIST. - BIUY PROPERTY, NEW & REHAB. BUSES	06/74	36,090	06/74	36,090	36,090			5c
S.E. PENN. TRANS. AUTH.-PHILADELPHIA RAIL CARS & EQUIPMENT	03/70	42,000	03/70	42,000	58,967	16,967	40	53
SAN FRANCISCO CITY & CO. - BIUY BUSES, TROLLEES & RAIL CARS (APP. III, P. 66)	06/69	2,074	06/69	2,074	61,928	59,854	2,886	51
SAN FRANCISCO PUBLIC UTIL. COMM. -IMPROVEMENT PGM. FOR MUNICIPAL RAILWAY	04/73	30,000	04/73	30,000	30,000			57
THIN CITIES AREA METRO. TRANSIT COMMISSION-NEW BUSES FOR CAPITAL IMPROVEMENT PROGRAM	05/70	27,129	05/70	27,129	27,129			67
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY - BUS SYSTEM	01/73	106,200	01/73	106,200	106,200			54
SUB TOTAL		2,130,093		2,130,093	3,875,890	1,745,797		
TOTAL		40,627,766		40,648,416	105,256,201	64,607,785		



ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
<b>DISTRICT OF COLUMBIA GOVERNMENT:</b>								
CORRECTIONAL DETENTION CENTER	1970	30,500	1970	30,500	30,400		100	
<b>ENVIRONMENTAL SERVICES:</b>								
ADVANCE OF PAVING AND DRAINAGE COMPLAINTS	1960	26,300	1960	26,300	26,300			
TRUNK WATER MAINS - SPECIAL PROJECT	1967	40,000	1967	40,000	40,000			
WATER POLLUTION CONTROL PLANT	1970	71,000	1970	71,000	71,000			
SUB TOTAL		137,300		137,300	137,300			
FEDERAL CITY COLLEGE	1974	128,900	1974	128,900	128,900			
<b>HIGHWAYS &amp; TRAFFIC:</b>								
NORTH LEG - WEST SECTION INNER	1960	26,900	1960	26,900	26,900			
STREET IMPROVEMENTS AND EXTENSIONS	1969	54,000	1969	54,000	54,000			
SUB TOTAL		80,900		80,900	80,900			
<b>LOCAL FLOODING RELIEF AND STORM DRAINAGE:</b>								
CAPITAL HILL RELIEF	1969	25,100	1969	25,100	49,800		24,700	98
N. E. BOUNDARY RELIEF SEWER	1969	37,100	1969	37,100	45,600		8,500	23
SUB TOTAL		62,200		62,200	95,400		33,200	

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
LORTON RENOVATION PROGRAM	1972	65,200	1972	65,200	55,200	10,000-	15-	
NEW COURTHOUSE BUILDING	1969	45,400	1969	45,400	45,400			
WASHINGTON AQUEDUCT:								
WATER TREATMENT PLANT EXTENSION AND IMPROVEMENTS	1972	33,500	1972	33,500	33,500			
WASHINGTON TECHNICAL INSTITUTE	1968	111,000	1968	111,000	112,000	1,000	1	
TOTAL		694,900		694,900	719,200	24,300		
ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION:								
200 MEV ACCELERATOR, DU PAGE AND KANE COUNTIES, IL	12/67	250,000	12/67	250,000	243,500	6,500-	3-	
ADDITIONAL FACILITIES, HIGH LEVEL WASTE HANDLING AND STORAGE, SAVANNAH RIVER, SC	12/73	30,000	12/73	30,000	33,000	3,000	10	
ADDITIONAL FACILITIES, HIGH LEVEL WASTE STORAGE, SAVANNAH RIVER, SC	12/74	68,000	12/74	68,000	68,000			
ADDITIONAL HIGH LEVEL WASTE STORAGE FACILITIES, RICHLAND, WA	12/74	35,000	12/74	35,000	35,000			
ADDITIONAL WASTE CONCENTRATION AND SALT CAKE STORAGE FACILITIES, RICHLAND, WA	09/73	30,000	09/73	30,000	30,000			
ALTERNATING GRADIENT SYNCHROTRON CONVERSION, RNL, NY	09/68	47,000	09/64	47,000	48,950	1,950	4	

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE AMOUNT	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
CASCADE UPGRATING PROGRAM, GASEOUS DIFFUSION PLANTS	12/72	235,000	12/72	235,000	460,000	225,000	96	
CLEAN BOILER FUEL DEMONSTRATION PLANT	12/74	91,000	12/74	91,000	91,000			68
COMPONENT PREPARATION LABS MULTIPLE SITES	12/71	26,000	12/71	26,000	30,400	4,400	17	
COMPONENT TEST FACILITY, OAK RIDGE, TN	12/71	21,200	12/71	21,200	36,075	14,875	70	
DP SITE PU PROCESS FACILITY, LASL, NM (APP. III, P. 66)	09/70	30,000	09/70	30,000	75,000	45,000	150	
FAST FLUX TEST FACILITY (APP. III, P. 66)	09/66	87,500	09/66	87,500	530,000	442,500	506	
GASEOUS DIFFUSION PRODUCTION SUPPORT FACILITIES	04/71	95,000	04/71	95,000	107,020	12,020	13	
HIGH ENERGY LASER FACILITY, LASL, NM (APP. III, P. 66)	12/73	22,600	12/73	22,600	53,500	30,900	137	
HIGH ENERGY LASER FACILITY, LLL, CA	12/72	20,000	12/72	20,000	25,000	5,000	25	
LINEAR ELECTRON ACCELERATOR	01/60	107,200	01/60	107,200	113,900	6,700	6	
LIQUID METAL FAST BREEDER, CLINCH RIVER, TN (APP. III, P. 67)	07/69	448,000	08/72	699,000	1,736,000	1,037,000	148	69
MESON PHYSICS FACILITY, LASL, NM	09/65	55,000	09/65	55,000	57,000	2,000	4	
NEW PLUTONIUM RECOVERY FACILITY, ROCKY FLATS (APP. III, P. 67)	09/70	63,000	09/70	63,000	140,000	77,000	122	

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

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AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE ----- AMOUNT	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES -----
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
NEW WASTE CALCINING FACILITY (CHEMICAL PROCESSING PLANT, NRTS), ID (APP. III, P. 67)	12/73	20,000	12/73	20,000	65,000	45,000	225	
NUCLEAR SAFETY ENGINEERING TEST FACILITY, NATIONAL REACTOR TESTING STATION, ID	09/62	19,400	09/62	19,400	36,600	17,200	89	
PROCESS EQUIPMENT MODIFICATIONS GASEOUS DIFFUSION PLANTS	12/71	523,000	12/71	523,000	925,000	402,000	77	
RESTORATION OF PRODUCTION FACILI- TIES AT ROCKY FLATS	05/69	45,000	05/69	45,000	40,376	4,624-	10-	
S8G PROTOTYPE PROPULSION PLANT, W. MILTON, NY	03/72	125,000	03/72	125,000	125,000			
TOKAMAK FUSION TEST REACTOR, PRINCETON PLASMA LAB, PLAINSBORO, NJ	01/75	215,000	01/75	215,000	215,000			
WEAPONS PRODUCTION CAPABILITIES, VARIOUS LOCATIONS (APP. III, P. 67)	12/66	32,300	12/66	32,300	309,310	277,010	858	
TOTAL		2,741,200		2,992,200	5,629,639	2,637,439		
ENVIRONMENTAL PROTECTION AGENCY:								
AMHERST, NY	03/74	50,200	03/74	50,200	50,200			
AMHERST, NY - PHASE 3	06/75	81,300	06/75	81,300	81,300			
ATLANTIC COUNTY SEWERAGE AUTHORITY, NJ	06/73	68,200	06/73	68,200	70,100	1,900	3	

ESTIMATED COST DATA COMPARISON  
 FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
 AT JUNE 30, 1975  
 (DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
BALTIMORE, MD	06/74	41,100	06/74	41,100	63,000	21,900	53	
BRICK TOWNSHIP MUA, NJ	06/75	35,000	06/75	35,000	35,000			
CAMPBELL-KENTON COUNTY, KY	06/74	21,000	06/74	21,000	39,400	18,400	88	
CLEVELAND, OH	05/75	86,700	05/75	86,700	86,700			
DELAWARE COUNTY, PA	02/73	32,400	02/73	32,400	38,400	6,000	19	
DETROIT, MI	06/73	106,900	06/73	106,900	106,900			
DETROIT, MI	06/75	79,600	06/75	79,600	79,600			
DETROIT, MI	06/75	34,000	06/75	34,000	34,000			
EAST BAY MUNICIPAL UTILITY DIST., CA	07/73	45,000	07/73	45,000	52,900	7,900	18	
ESSEX UNION COUNTIES, NJ	06/73	53,000	06/73	53,000	53,000			
FLINT CITY, MI	06/73	51,200	06/73	51,200	50,100	1,100-	2-	
FORT WAYNE, IN	06/74	19,800	06/74	19,800	33,400	13,600	69	
FT. WORTH, TX	03/75	64,800	03/75	64,800	64,800			
GREATER LAWRENCE SANITARY DIST., MA	02/73	59,000	02/73	59,000	45,200	13,800-	23-	
HONOLULU, HI	06/75	38,400	06/75	38,400	38,400			
HOPWELL, VA (APP. III, P. 67)	02/75	9,900	02/75	9,900	38,400	28,500	288	
LOWELL, MA	05/75	49,500	05/75	49,500	49,500			
MIAMI-DADE WATER & SEWER AUTH.	10/74	31,300	10/74	31,300	61,100	29,800	95	

ESTIMATED COST DATA COMPARISON  
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AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
MIAMI-DADE WATER & SEWER AUTH.	06/74	54,000	06/74	54,000	54,000			
MSD OF CHICAGO, IL	06/75	124,300	06/75	124,300	124,300			
MSD OF CHICAGO, IL	06/75	57,900	06/75	57,900	57,900			
MSD OF CHICAGO, IL	1975	57,700	1975	57,700	57,400	300-	1-	
NEW HAVEN, CT	06/75	49,700	06/75	49,700	49,700			
NIAGARA COUNTY, NY	06/74	42,600	06/74	42,600	53,100	10,500	25	
NIAGARA FALLS, NY	03/73	63,200	03/73	63,200	63,200			
NYC (OAKWOOD BFACH), NY	03/73	109,200	03/73	109,200	119,900	10,700	10	
OCEAN COUNTY SEWERAGE AUTHORITY, NJ	06/74	62,100	06/74	62,100	86,300	24,200	39	
OCEAN COUNTY SEWERAGE AUTHORITY, NJ	06/73	88,200	06/73	88,200	88,200			
OCEAN COUNTY SEWERAGE AUTHORITY, NJ	06/75	46,100	06/75	46,100	46,100			
PHILADELPHIA, PA (APP. III, P. 67)	06/74	49,300	06/74	49,300	98,500	49,200	100	
RENSSELAER COUNTY SEWER DIST., NY	03/73	57,900	03/73	57,900	45,000	12,900-	22-	
SACRAMENTO REG. CSD, CA	05/75	196,300	05/75	196,300	196,300			
SAN JOSE, CA	06/75	70,300	06/75	70,300	70,300			
SARATOGA COUNTY, NY	10/74	45,600	10/74	45,600	45,600			
SOUTHGATE-WYANDOTTE, MT	05/75	54,400	05/75	54,400	54,400			
SPOKANE, WA	07/74	25,000	07/74	25,000	41,900	16,900	68	

ESTIMATED COST DATA COMPARISON  
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AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
SPRINGFIELD, MA	02/73	64,100	02/73	64,100	52,500	11,600-	18+	
ST. PAUL, MN	10/74	51,600	10/74	51,600	49,700	1,900-	4-	
SYRACUSE, NY	06/74	107,600	06/74	107,600	107,600			
TAMPA, FL	05/74	45,600	05/74	45,600	46,900	1,300	3	
TONAWANDA, NY	06/74	63,600	06/74	63,600	63,600			
UPPER OCCOQUAN SEWAGE AUTH., VA (APP. III, P. 67)	06/73	20,400	06/73	20,400	58,300	37,900	186	
WASHINGTON SUBURBAN SANITARY COMMISSION, MD (APP. III, P. 67)	06/73	45,600	06/73	45,600	98,700	49,100	108	
WASHINGTON, D. C. (APP. III, P. 68)	06/73	47,100	06/73	47,100	148,100	101,000	214	
WESTERN LAKE SUPERIOR, MN	06/75	49,800	06/75	49,800	49,800			
TOTAL		2,807,500		2,807,500	3,194,700	387,200		
GENERAL SERVICES ADMINISTRATION:								
ANCHORAGE COURT., FEDERAL BLDG., PARKING FACILITY	07/72	71,496	07/72	71,496	74,804	2,908	4	
ATLANTA-RICHARD B. RUSSELL FEDERAL BLDG. U. S. COURTHOUSE	08/66	27,353	04/75	77,066	77,066			
BALTIMORE METRO WEST FEDERAL BLDG.	09/74	92,350	09/74	92,350	92,350			
BRUNSWICK CONSOLIDATED FEDERAL LAW ENFORCEMENT TRAINING CENTER	03/75	30,125	03/75	30,125	30,125			

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AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE AMOUNT	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
CHICAGO SSA PAYMENT CENTER	10/72	46,318	10/72	46,318	55,019	8,701	19	
CINCINNATI NATIONAL ENVIRONMENTAL RESEARCH CENTER	1969	27,837	1969	27,837	26,860	977-	4-	
COLUMBIA COURT., FEDERAL BLDG. AND PARKING FACILITY	1974	26,675	1974	26,675	26,675			
D. C. FEDERAL HOME LOAN BANK BOARD BUILDING	09/67	13,937	03/73	38,456	41,762	3,306	9	
D. C. SOUTH PORTAL SITE FEDERAL BLDG.	08/66	28,568	07/71	45,120	43,712	1,408-	3-	
DENVER MINT	1973	50,000	1973	55,300	55,300			
DETROIT-PATRICK V. MCNAMARA FEDERAL BLDG.	01/63	33,021	01/63	33,021	59,842	26,821	81	
HONOLULU PRINCE JONAH KUHIO KALANI-ANAOIE FEDERAL BUILDING	04/60	23,500	06/72	47,581	32,487	15,054-	32-	
J. EDGAR HOOVER FBI BUILDING (APP. III, P. 68)	03/62	60,000	03/62	60,000	126,108	66,108	110	
NEW ORLEANS MALE BOGGS FEDERAL BLDG. U. S. COURT	02/68	24,877	02/68	24,877	32,192	7,315	29	
NEW YORK CUSTOMS COURT, AND FEDERAL BLDG. ANNEX	06/65	37,910	06/65	37,910	61,679	23,769	63	
PHILADELPHIA COURT AND FEDERAL BLDG.	06/71	42,640	02/72	87,478	94,490	7,012	8	
PHILADELPHIA SSA PAYMENT CENTER	10/72	29,269	10/72	29,269	29,766	497	2	
RICHMOND SSA PAYMENT CENTER	10/72	34,942	10/72	34,942	36,798	1,856	5	



ESTIMATED COST DATA COMPARISON  
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AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE AMOUNT	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
SAN DIEGO FEDERAL BLDG.	02/68	30,467	06/71	44,258	42,455	1,803-	4-	
WOODLAWN COMPUTER CENTER	09/74	68,650	09/74	68,650	68,650			
TOTAL		799,975		978,689	1,107,740	129,051		
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION:								
APOLLO SOYUZ TEST PROJECT	03/72	250,000	06/72	250,000	245,000	5,000-	2-	73
APPLICATIONS TECHNOLOGY SATELLITE (ATS-F)	04/67	98,700	01/71	230,000	205,600	24,400-	11-	
ATMOSPHERE EXPLORER (C THRU E)	12/69	50,400	09/71	59,400	70,100	10,700	18	
HIGH ENERGY ASTRONOMY OBSERVATORY	02/74	232,800	10/74	261,300	261,300			
INTERNATIONAL SUN-EARTH EXPLORERS	02/74	50,700	6/75	55,700	55,700			
INTERNATIONAL ULTRA-VIOLET EXPLORER	09/71	34,200	09/71	34,200	35,300	1,100	3	
LANDSAT 1 AND 2	12/69	87,100	11/70	154,400	196,700	42,300	27	
LANDSAT C	02/74	40,700	02/74	40,700	40,700			
MARINER JUPITER-SATURN 1977	07/72	377,500	05/74	371,200	376,100	4,900	1	
MARINER VENUS-MERCURY	02/69	96,800	12/69	112,000	118,900	6,900	6	
NIMBUS 5 AND F	04/67	91,800	04/70	95,200	121,600	26,400	28	
NIMBUS G	02/73	81,800	06/75	86,500	86,500			



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AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE AMOUNT	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
LOW-LEVEL COACHES	03/74	160,000	03/74	160,000	168,100	8,100	5	
METRO-TYPE CARS	11/73	23,800	11/73	23,800	41,100	17,300	73	
TURBINE CARS	11/73	35,000	11/73	35,000	60,000	25,000	71	
TOTAL		377,100		377,100	559,500	182,400		
NATIONAL SCIENCE FOUNDATION:								
VERY LARGE ARRAY RADIO TELESCOPE	1973	76,000	1973	76,000	78,465	2,465	3	
TENNESSEE VALLEY AUTHORITY:								
BEAR CREEK WATER CONTROL SYSTEM (APP. III, P. 68)	01/65	24,000	01/65	24,000	54,000	30,000	125	
BELLEFONTE NUCLEAR PLANT, UNITS 1 & 2	01/71	650,000	01/71	650,000	1,000,000	350,000	54	
BROWNS'S FERRY NUCLEAR PLANT, UNITS 1-3 (APP. III, P. 68)	01/68	392,000	01/68	392,000	815,000	423,000	108	
CUMBERLAND STEAM PLANT, UNITS 1 & 2	01/68	325,000	01/68	325,000	435,000	110,000	34	
DUCK RIVER PROJECT:								
COLUMBIA DAM AND RESERVOIR	06/69	50,000	06/69	50,000	53,500	3,500	7	
NORMANDY DAM AND RESERVOIR	06/69	23,500	06/69	23,500	35,000	11,500	49	
SUB TOTAL		73,500		73,500	88,500	15,000		

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AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		NOTES
	DATE	AMOUNT	DATE	AMOUNT		AMOUNT	%	
FUTURE EASTERN NUCLEAR PLANT	01/75	1,600,000	01/75	1,600,000	1,600,000			
FUTURE WESTERN NUCLEAR PLANT	01/75	1,900,000	01/75	1,900,000	1,900,000			
GALLATIN COMBUSTION TURBINES, UNITS 1-4	01/75	37,000	01/75	37,000	37,000			
HARTSVILLE NUCLEAR PLANT, UNITS 1-4	01/73	1,575,000	01/73	1,575,000	2,500,000	925,000	59	
JOHNSONVILLE COMBUSTION TURBINES, UNITS 1-16	01/75	100,000	01/75	100,000	100,000			
MODERNIZATION AND INSTALLATION OF ELECTROSTATIC PRECIPITATORS AND STACKS	1973	186,000	1973	186,000	219,000	33,000	18	
RACCOON MT. STORAGE PROJECT, UNITS 1-4	01/70	155,000	01/70	155,000	240,000	85,000	55	
SO2 SCRUBBERS - WIDOW'S CREEK, UNIT 8	01/72	36,000	01/72	36,000	54,000	18,000	50	
SEQUOYAH NUCLEAR PLANT, UNITS 1-2 (APP. III, P. 68)	01/69	336,000	01/69	336,000	675,000	339,000	101	
TELLICO DAM AND RESERVOIR (APP. III, P. 68)	01/65	42,500	01/65	42,500	100,000	57,500	135	
WATTS BAR NUCLEAR PLANT, UNITS 1 & 2	01/70	500,000	01/70	500,000	805,000	305,000	61	
TOTAL		7,932,000		7,932,000	10,622,500	2,690,500		

ESTIMATED COST DATA COMPARISON  
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE DATE	AMOUNT	BASELINE ESTIMATE DATE	AMOUNT	CURRENT ESTIMATE AMOUNT	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE AMOUNT	%	NOTES
<b>U. S. POSTAL SERVICE:</b>								
NATIONAL RULK MAIL SYSTEM	03/71	950,000	03/71	950,000	997,228	47,228	5	
<b>VETERANS ADMINISTRATION:</b>								
RELOCATION HOSPITAL, AUGUSTA, GA	1975	48,954	1975	48,954	57,460	8,506	17	
RELOCATION HOSPITAL, COLUMBIA, SC	1973	26,218	1973	26,218	45,000	18,782	72	
RELOCATION HOSPITAL, LOMA LINDA, CA (APP. III, P. 69)	1973	33,531	1973	33,531	71,014	37,483	112	
REPLACEMENT HOSPITAL, BRONX, NY	1973	65,000	1973	65,000	122,242	57,242	88	
<b>TOTAL</b>		<b>173,703</b>		<b>173,703</b>	<b>295,716</b>	<b>122,013</b>		
<b>WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY:</b>								
WASHINGTON REGIONAL RAPID RAIL TRANSIT SYSTEM	02/69	2,494,600	02/69	2,494,600	4,650,744	2,156,144	86	70
<b>TOTAL</b>		<b>231,601,742</b>		<b>256,196,144</b>	<b>404,329,276</b>	<b>148,133,132</b>		

NOTES

- <sup>1</sup>The A-10 was formerly known as the A-X aircraft. The original estimate of \$1,025.5 million represents the total program cost estimate as cited in the development concept paper. This original estimate is stated in constant 1970 dollars, based on a 600-aircraft program, and considers a turboprop configuration.
- <sup>2</sup>Since only a current estimate is available, it was also used as the original and baseline estimate to enable reconciliation of the total.
- <sup>3</sup>The \$383.1 million decrease in baseline estimate compared to the original estimate was the result of eliminating military assistance program cost estimates from SAR.
- <sup>4</sup>Estimates do not include costs of warheads and/or propulsion plants as their costs are classified.
- <sup>5</sup>Research, development, and procurement cost shown separate by Air Force and Navy system.
- <sup>6</sup>Current estimate includes more than double the procurement quantity than included in the baseline estimate.
- <sup>7</sup>Current estimate includes only procurement cost.
- <sup>8</sup>Before issuing the present contract, the Navy's long-range program included 23 ships of this class for an original estimate of \$3,980 million in fiscal year 1970 dollars. The present program is for five ships.
- <sup>9</sup>Redesignated from PF-109 class to FFG-7 class on June 30, 1975, SAR.
- <sup>10</sup>Beginning June 30, 1973, the F-14 SAR became the F-14A SAR because present Navy plans did not call for procuring the F-14B version of the aircraft.
- <sup>11</sup>The original estimate of \$720.5 million represents the program before the MARK-48 Mod 1 was accepted as the Navy's torpedo program.
- <sup>12</sup>Original estimate amount - Congressional authorization of 1965.
- <sup>13</sup>Current estimate includes non-Federal cost of \$166,189,788.
- <sup>14</sup>Current estimate includes non-Federal cost of \$50,000.
- <sup>15</sup>Estimates include non-Federal cost of \$313,000.
- <sup>16</sup>Current estimate includes non-Federal cost of \$370,000.
- <sup>17</sup>Bureau of Indian Affairs project.

- <sup>18</sup>Current estimate includes non-Federal cost of \$3,361,000.
- <sup>19</sup>Current estimate includes non-Federal cost of \$208,000.
- <sup>20</sup>Estimates include non-Federal cost of \$10 million.
- <sup>21</sup>Current estimate includes non-Federal cost of \$1,895,000.
- <sup>22</sup>Original and baseline estimates include non-Federal cost of \$58,000; current estimate includes non-Federal cost of \$70,000.
- <sup>23</sup>Estimates include non-Federal cost of \$255,000.
- <sup>24</sup>Original and baseline estimates include non-Federal cost of \$1,866,000; current estimate includes non-Federal cost of \$1,881,000.
- <sup>25</sup>Original and baseline estimates include non-Federal cost of \$733,000; current estimate includes non-Federal cost of \$33,127,110.
- <sup>26</sup>Original and baseline estimates do not include private investments of \$16 million; current estimate does not include private investment of \$16,165,000.
- <sup>27</sup>Estimates include 1/3 non-Federal cost.
- <sup>28</sup>The Federal Highway Administration's latest estimate as of January 1, 1974 amounted to \$89.2 billion. In a report dated September 4, 1975, on the Interstate Highway System, GAO updated the estimate to June 30, 1975. The estimates include about 10 percent non-Federal cost.
- <sup>29</sup>Current estimate includes \$39 million Federal cost.
- <sup>30</sup>Current estimate includes \$188 million Federal cost; total project cost estimated to be \$1.6 billion at completion.
- <sup>31</sup>Current estimate includes \$34 million Federal cost.
- <sup>32</sup>Current estimate includes \$27 million Federal cost.
- <sup>33</sup>Current estimate includes \$100 million Federal cost.
- <sup>34</sup>Current estimate includes \$70 million Federal cost.
- <sup>35</sup>Current estimate includes \$29 million Federal cost.
- <sup>36</sup>Current estimate includes \$76 million Federal cost.

- <sup>37</sup>Current estimate includes \$149 million Federal cost; total project cost estimated to be \$1.4 billion at completion.
- <sup>38</sup>Current estimate includes \$39 million Federal cost.
- <sup>39</sup>Current estimate includes \$65 million Federal cost.
- <sup>40</sup>Current estimate includes \$25 million Federal cost.
- <sup>41</sup>Current estimate includes \$40 million Federal cost.
- <sup>42</sup>Current estimate includes \$270 million Federal cost; total project cost estimated to be \$2 billion at completion.
- <sup>43</sup>Current estimate includes \$36 million Federal cost.
- <sup>44</sup>Current estimate includes \$80 million Federal cost.
- <sup>45</sup>Current estimate includes \$60 million Federal cost.
- <sup>46</sup>Current estimate includes \$536 million Federal cost.
- <sup>47</sup>Current estimate includes \$33 million Federal cost.
- <sup>48</sup>Current estimate includes \$87 million Federal cost.
- <sup>49</sup>Current estimate includes \$80 million Federal cost.
- <sup>50</sup>Current estimate includes \$69 million Federal cost.
- <sup>51</sup>Current estimate includes \$41 million Federal cost.
- <sup>52</sup>Current estimate includes \$24 million Federal cost.
- <sup>53</sup>Current estimate includes \$39 million Federal cost.
- <sup>54</sup>Current estimate includes \$70 million Federal cost.
- <sup>55</sup>Current estimate includes \$20 million Federal cost.
- <sup>56</sup>Current estimate includes \$50 million Federal cost.
- <sup>57</sup>Current estimate includes \$20 million Federal cost.
- <sup>58</sup>Current estimate includes \$29 million Federal cost.
- <sup>59</sup>Current estimate includes \$21 million Federal cost.
- <sup>60</sup>Current estimate includes \$22 million Federal cost.



- 61 Current estimate includes \$29.1 million Federal cost.
- 62 Current estimate includes \$21 million Federal cost.
- 63 Current estimate includes \$39 million Federal cost.
- 64 Current estimate includes \$23 million Federal cost.
- 65 Current estimate includes \$25 million Federal cost.
- 66 Current estimate includes \$18 million Federal cost.
- 67 Current estimate includes \$18 million Federal cost.
- 68 Estimates exclude \$75 million which private industry is expected to contribute.
- 69 Current estimate includes about \$268 million to be contributed by utility and reactor companies.
- 70 Current estimate includes \$1,623 million Federal cost; total costs of more than \$4.8 billion were estimated in November, 1975 hearings before a House of Representatives subcommittee.
- 71 We placed all of the cost increase for this project in the sundry column of appendix III since the agency did not furnish a cost breakdown.
- 72 The Service did not furnish original estimate amounts for projects which are generally older and which predate the Mission 66 Program.
- 73 Except for the Space Transportation System, the agency furnished us project amounts which include inflation.
- 74 National Aeronautics and Space Administration officials state that the current estimate for the Space Transportation System should be expressed in the 1971 dollar equivalent, \$5.2 billion; the original and baseline estimates are stated in 1971 dollar equivalents. The officials informed us that the \$6,350 million current estimate provides for inflation and is expressed in dollars of the 1976 budget year.

ANALYSIS OF CIVIL ACQUISITIONS HAVING  
100 PERCENT OR GREATER COST GROWTH  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL AND/OR BASELINE ESTIMATE	COST CHANGE DUE TO						CURRENT ESTIMATE	
		QUANTITY	ENGINEERING	SUPPORT	SCHEDULE	ECONOMIC	ESTIMATING		SUNDRY
APPALACHIAN REGIONAL COMMISSION:									
APPALACHIAN DEVELOPMENT HIGHWAY	840,000	571,000	409,000			1,135,000		582,000	3,537,000
DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS:									
BEACH PROTECTION:									
FIRE ISLAND INLET TO JONES INLET, NY	12,820		2,205			11,601	670-	184	26,140
FLOOD CONTROL:									
B. EVERETT JORDAN DAM AND LAKE, NC	29,500		12,360		57	30,180	5,391	1,812	79,300
BEECH FORK LAKE, WV	12,800		230			15,857	4,763	150	33,800
CAESAR CREEK LAKE, OH	15,900	6,430	9,809		2,512	19,272	106	471	54,500
CARR FORK LAKE, KY	11,200		14,634		240	8,962	10,254	210	45,500
CAVE RUIN LAKE, KY	25,400		9,888		13	13,813	4,677	609	54,400
CENTRAL AND SOUTHERN FL	237,500	152,397	22,200-		90-	141,240	9,847	24,306	543,000
COOPER LAKE AND CHANNELS, TX	15,200		13,547			30,903	4,355	595	64,600

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ANALYSIS OF CIVIL ACQUISITIONS HAVING  
 100 PERCENT OR GREATER COST GROWTH  
 AT JUNE 30, 1975  
 (DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL AND/OR BASELINE ESTIMATE	COST CHANGE DUE TO							CURRENT ESTIMATE
		QUANTITY	ENGINEERING	SUPPORT	SCHEDULE	ECONOMIC	ESTIMATING	SUNDRY	
CUCAMONGA CREEK, CA	30,700	874	3,082			27,163	7,710	1,471	71,000
DRY CREEK LAKE, CA	51,000	25,525	8,890		3,141	63,270	25,939	3,235	181,000
EAST FORK LAKE, OH	19,000	7,057	6,021		2,550	18,910	510	194	42,200
EAST LYNN LAKE, WV	14,300		5,862			10,024	3,979	235	34,400
EL DORADO LAKE, KS	29,300	75	11,682			26,396	8,572	275	76,300
EL PASO, TX	16,000	42	7,707			10,703	1,048		35,500
ELIZABETH, NJ	11,400		1,956			11,442	3,256	686	28,740
ELK CREEK LAKE, OR	27,200		3,975			20,583	8,095	3,947	63,800
EVANSVILLE, IN	12,500		5,343		512	17,092	1,103	150	56,700
FALLS LAKE, NC	29,600		14,139			34,994	294	5,173	84,200
FIRE ISLAND INLET TO MONTAUK PT., NY	19,700	18,470	6,655			34,017	4,233	655	83,730
FOUR RIVER BASINS, FL	56,300		11,936			41,054	16,940	1,770	128,000
FREEPORT & VICINI- TY, TX	3,850		7,850			7,008	6,892		25,600
GATHRIGHT LAKE, VA	16,300		22,556		1,400	11,946	13,998	1,800	68,000
LAFARGE LAKE AND CHANNEL IMPROVE- MENT, WI	24,100	9,301	1,195			17,469	565		51,500

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APPENDIX III

APPENDIX III

ANALYSIS OF CIVIL ACQUISITIONS HAVING  
100 PERCENT OR GREATER COST GROWTH  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL AND/OR BASELINE ESTIMATE	COST CHANGE DUE TO						CURRENT ESTIMATE	
		QUANTITY	ENGINEERING	SUPPORT	SCHEDULE	ECONOMIC	ESTIMATING		SUNDRY
LAFAYETTE LAKE, IN	38,000		8,677			40,228		1,995	88,900
LAKE PONTCHARTRAIN AND VICINITY, LA	65,784	15,129	40,460			115,450		4,177	241,000
LAVON LAKE MODIFI- CATION AND EAST FORK CHANNEL IMPROVEMENTS, TX	27,300		18,710			15,192	1,759-	43-	59,400
LINCOLN LAKE, IL	39,900	1,087-	12,366			36,421		3,600	91,200
LITTLE BLUE RIVER CHANNEL, MO	6,870		11,295			6,850	2,650	335	28,000
LYTLE & WARM CREEKS, CA	13,000	7,988	711			4,971	4,716	114	51,500
MANKATO & N. MAN- KATO, MN	5,200	731	16,533			10,364	328-		32,500
MISSOURI RIVER LEVEE SYSTEM	60,600		19,396			73,858	19,022	124	173,000
NEW ORLEANS TO VENICE HURRICANE PROTECTION, LA	7,580	32,500	15,014			29,440	866		85,400
PAPILLION CREEK, NE	38,000	3,199	22,485			36,202	651-	4,065	103,300
PATOKA LAKE, IN	17,000	1,752-	7,875			16,654	2,901	622	43,300
RED RIVER LAKE, KY	10,700	342	3,504			17,293		3,361	35,200
RED RIVER LEVEES AND BANK STABIL- IZATION	10,000	24,535				12,205	1,110	650	48,500

ANALYSIS OF CIVIL ACQUISITIONS HAVING  
100 PERCENT OR GREATER COST GROWTH  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL AND/OR BASELINE ESTIMATE	COST CHANGE DUE TO							CURRENT ESTIMATE
		QUANTITY	ENGINEERING	SUPPORT	SCHEDULE	ECONOMIC	ESTIMATING	SUNDRY	
RIRIE LAKE, ID	13,100	4,100	1,869			8,776		6,755	34,600
RIVER ROUGE, MI	9,620	1,000	1,288			12,866	6,174-	9,000	27,600
SACRAMENTO RIVER BANK PROTECTION, CA	15,100	42,300	1,420			6,920	1,460	1,600	68,800
SAGINAW RIVER, MI	16,200		4,169			32,129	527	225-	52,800
SAN ANTONIO CHANNEL IMPROVE- MENT, TX	14,700	1,973	1,708		588	15,528	8,203		42,700
SAN GABRIEL RIVER, TX	53,100		8,668			50,289	5,606	337	118,000
SAYLORVILLE LAKE, IA	36,500	11,548	25,708			20,218	5,889-	85-	88,000
STONEWALL JACKSON LAKE, WV	40,500		19,777			44,913		810	106,000
TALLAHALA CREEK LAKE, MS	19,200		3,313		202	15,052		1,733	39,500
TEXAS CITY AND VICINITY, TX	6,670	7,534-	53			12,617	17,343	49-	29,100
TOMBIGBEE RIVER AND TRIBUTARIES, MS AND AL	24,000		8,433			27,842	155-	1,480	61,600
TRINIDAD LAKE, CO	21,000	600	5,315			10,141	6,237	467	43,760
TYRONE, PA	14,600	620	3,670			10,770	1,190	150	31,000

APPENDIX III

APPENDIX III

ANALYSIS OF CIVIL ACQUISITIONS HAVING  
100 PERCENT OR GREATER COST GROWTH  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL AND/OR BASELINE ESTIMATE	COST CHANGE DUE TO						CURRENT ESTIMATE	
		QUANTITY	ENGINEERING	SUPPORT	SCHEDULE	ECONOMIC	ESTIMATING		SUNDRY
WALNUT CREEK, CA	21,300	12,370	448			11,269	2,473-	986	43,900
WAHRIKA LAKE, OK	37,500	300	17,872			27,261	3,269-	36	79,700
SUB TOTAL	1,391,774	369,033	425,812		11,125	1,334,017	192,530	89,739	3,414,030
MISSISSIPPI RIVER AND TRIBUTARIES:									
ATCHAFALAYA BASIN, LA	284,000	100,971	206,315			248,392	8,565	757	849,000
MISSISSIPPI RIVER CACHE BASIN	25,600	4,858	10,740			44,357		445	86,000
MISSISSIPPI RIVER CHANNEL IMPROVE- MENTS	942,000	587,279	6,045			481,900	9,776		2,027,000
MISSISSIPPI RIVER LEVEES	265,000	97,749	302,420			233,809	2,723	9,259	911,000
MISSISSIPPI RIVER ST. FRANCIS BASIN	127,000	24,826	3,745			82,664	18,660	1,105	258,000
MISSISSIPPI RIVER TENNESAS BASIN, LA	86,400	17,625	29,802			89,229	7,274	1,070	231,400
MISSISSIPPI RIVER WEST TENNESSEE TRIBUTARIES	10,700	7,411	7,581			17,360		348	43,400
MISSISSIPPI RIVER YAZOO BASIN	217,000	18,494	226,558			136,993	22,854	4,101	626,000
SUB TOTAL	1,957,700	859,253	793,206			1,334,704	69,852	17,085	5,031,800

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APPENDIX III

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ANALYSIS OF CIVIL ACQUISITIONS HAVING  
100 PERCENT OR GREATER COST GROWTH  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL BASELINE ESTIMATE	COST CHANGE DUE TO				SUNDRY	CURRENT ESTIMATE
		QUANTITY ENGINEERING	SUPPORT SCHEDULE	ECONOMIC ESTIMATING			
MULTIPURPOSE PROJECTS INCLUDING POWER:							
RONNEVILLE LOCK AND DAM, OR AND WA (MODIFICATION FOR PEAKING)	13,500	12,725	199	9,632	1,802	6,660	30,800
CARTERS LAKE, GA	38,000	50,482	16,527	17,434	17,815	632	106,000
CLARENCE CANNON DAM, MO	70,600		47,525		21,475	2,143	215,000
DEGRAY LAKE, AR	32,500	1,875	18,091	12,941	2,893		68,300
HARRY S. TRUMAN DAM AND RFS., MO	146,200		43,850	184,773	33,985	4,192	413,000
NEW MELONES LAKE, CA	122,000	23,915	21,871	70,589	26,415	18,210	283,000
SNETTISHAM POWER PROJECT, AK	41,500		32,827	24,640	2,133	2,900	104,000
WEST POINT LAKE, GA AND AL	53,000	10,984	6,360	29,296	16,260	2,100	118,000
SUR TOTAL	517,300	99,981	186,852	422,562	87,148	23,517	1,338,100
NAVIGATION:							
FALL RIVER HARBOR, MA AND RJ	12,800			11,445		5,255	29,500

ANALYSIS OF CIVIL ACQUISITIONS HAVING  
100 PERCENT OR GREATER COST GROWTH  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL AND/OR BASELINE ESTIMATE	COST CHANGE DUE TO				CURRENT ESTIMATE	
		QUANTITY ENGINEERING	SUPPORT SCHEDULE	ECONOMIC ESTIMATING	SUNDRY		
JACKSONVILLE HARBOR, FL	8,800	830	14,145	8,414	3,094	1,317	36,600
LOCK & DAM NO. 53 (TEMP. LOCK), IL AND KY	17,800		15,120	4,036	107	37	37,100
MISSISSIPPI RIVER BETWEEN OHIO AND MISSOURI RIVERS:							
REGULATING WORKS, IL AND MO	61,900		59,113	19,900	3,087		144,000
MISSISSIPPI RIVER GULF OUTLET, LA	105,000	104,514	1,904	114,080	2,100	410	320,000
MISSISSIPPI RIVER, BATON ROUGE TO GULF, LA	34,025	36,005	1,372	8,132	10	100	76,900
OUACHITA AND BLACK RIVERS, AR AND LA	45,500	44,960	9,489	70,027	3,024		173,000
RED RIVER WATERWAY (MISS. RIVER TO SHREVEPORT, LA, AR AND OK)	393,000	345,595		217,149		256	956,000
SMITHLAND LOCKS AND DAM, IL AND KY	110,000		22,398	77,077	29,687	1,162	238,000
TENNESSEE - TOMBIG- REF WATERWAY, AL AND MS	323,000		304,346	710,366	15,952	6,336	1,360,000



ANALYSIS OF CIVIL ACQUISITIONS HAVING  
100 PERCENT OR GREATER COST GROWTH  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL BASELINE ESTIMATE	COST CHANGE DUE TO				CURRENT ESTIMATE
		QUANTITY ENGINEERING	SUPPORT	SCHEDULE	ECONOMIC ESTIMATING	
WALLISVILLE LAKF, TX	9,920	3,276		10,226	5,021	28,800
SUR TOTAL	1,121,745	531,904	424,611	1,250,852	57,882	3,399,900
TOTAL	5,001,339	1,860,171	1,832,686	4,353,736	406,742	13,609,970
DEPARTMENT OF THE INTERIORS						
BUREAU OF RECLAMATIONS						
DRAINAGE AND MINOR CONSTRUCTION PRO- JECTS:						
KLAMATH, CA AND OR	4,394			23,318		27,712
PARKER-DAVIS, AR AND CA	69,785			92,260		161,045
PICK-SLOAN MISSOURI RIVER BASIN PROGRAM:						
GARRISON DIVER- SION UNIT, ND AND SD	207,000	208		194,570	17,022	418,800
TUALATIN PROJECT (WATER CONTROL), OR	20,900	1,895		26,447		49,242

ANALYSIS OF CIVIL ACQUISITIONS HAVING  
100 PERCENT OR GREATER COST GROWTH  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL AND/OR BASELINE ESTIMATE	COST CHANGE DUE TO				CURRENT ESTIMATE
		QUANTITY ENGINEERING	SUPPORT	SCHEDULE	ESTIMATING	
UPPER COLORADO RIVER STORAGE PROJECT:						
SAVERY-POT HOOK, CO AND WY	15,406					55,285
SUR TOTAL	316,485	2,103			17,022	742,084
NATIONAL PARK SERVICE:						
NATIONAL PARKS:						
YOSEMITE, CA	34,926	8,242			32,986	80,221
PARKWAYS:						
NATCHEZ TRACE, MS, TN AND AL	111,578					267,831
SUR TOTAL	146,504	8,242			32,986	348,052
TOTAL	462,989	10,345			32,986	1,060,136
DEPARTMENT OF TRANSPORTATION:						
FEDERAL AVIATION ADMINISTRATION:						
NATIONAL AIRSPACE SYSTEMS, STAGE A	212,000	350,700		6,800	34,100	618,600

ANALYSIS OF CIVIL ACQUISITIONS HAVING  
100 PERCENT OR GREATER COST GROWTH  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL AND/OR BASELINE ESTIMATE	QUANTITY	ENGINEERING	SUPPORT	SCHEDULE	ECONOMIC	ESTIMATING	SUNDRY	CURRENT ESTIMATE
FEDERAL HIGHWAY ADMINISTRATION:									
INTERSTATE HIGHWAY SYSTEM	37,570,000	8,545,000	19,867,000			29,372,000	257,000	4,189,000	99,800,000
U.S. COAST GUARD:									
MEDIUM RANGE SUR- VEILLANCE AIRCRAFT	83,293			8,657		16,400	61,500		170,050
URBAN MASS TRANSPORTATION ADMINISTRATION:									
DEVELOPMENT & DEMONSTRATION PROJECTS:									
MORGANTOWN PER- SONAL RAPID TRANSIT SYSTEM	29,300	22,000			600	6,800	5,900		65,800
URBAN RAPID RAIL VEHICLES & SYSTEMS PROGRAM	11,029	5,238	9,574		750	7,147	12,038	2,441	42,217
MASS TRANSIT GRANTS:									
BAY AREA RAPID TRANSIT DIST. • SUNWAY, SAN FRANCISCO & OAKLAND, CA	158,213	160,026							318,239

ANALYSIS OF CIVIL ACQUISITIONS HAVING  
 100 PERCENT OR GREATER COST GROWTH  
 AT JUNE 30, 1975  
 (DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL AND/OR BASELINE ESTIMATE	COST CHANGE DUE TO						CURRENT ESTIMATE
		QUANTITY	ENGINEERING	SUPPORT	SCHEDULE	ECONOMIC	ESTIMATING	
CITY & CO. OF SAN FRANCISCO - BUILD SUBWAY, SURFACE RAIL CAR SYSTEM & RELATED FACILITIES	29,577	39,573						69,150
CONNECTICUT DEPT. OF TRANS. - PUR- CHASE & REHAB. OF RAIL EQUIP. & RELATED FACILITIES	22,685	62,200				17,120		102,005
MARYLAND DEPT. OF TRANS. - CONSTRUCT BALTIMORE RAPID RAIL SYSTEM	33,750	157,814						191,564
METRO. ATLANTA RAPID TRANSIT DIST. -SUBWAY	104,300	250,464						354,764
NEW JERSEY DEPT. OF TRANSP. - REHAB. ERIE LACKAWANNA LINE & BUY RAIL CARS	4,104	96,000						100,104
NEW YORK CITY TRANSIT AUTH. - BUTLD SUBWAY LINES & BUY CARS AND EQUIPMENT	290,698	442,903						733,601

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ANALYSIS OF CIVIL ACQUISITIONS HAVING  
100 PERCENT OR GREATER COST GROWTH  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL AND/OR BASELINE ESTIMATE	COST CHANGE DUE TO				SUNDY	CURRENT ESTIMATE
		QUANTITY ENGINEERING	SUPPORT	SCHEDULE	ECONOMIC ESTIMATING		
PORT AUTHORITY OF ALLEGHENY CO., PITTSBURGH - ELEVATED TRANSIT SYSTEM	13,050					89,334	102,384
PORT AUTHORITY TRANS-HUDSON CORP. (NY-NJ) - JOURNAL SQ. TRANS. CENTER & OTHER FACIL.	8,503	26,516			24,200		59,219
SAN FRANCISCO CITY & CO. - RIV RUSES, TROLLEIES & RAIL CARS	2,074	59,854					61,928
SUB TOTAL	706,283	1,322,588	3,574	1,550	57,267	91,775	2,200,975
TOTAL	39,571,576	10,210,288	19,870,574	8,857	5,250	29,445,667	102,789,625
ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION:							
DP SITE PU PROCESS FACILITY, LASL, NM	30,000	11,300	10,100	5,100	8,800	2,800	75,000
FAST FLUX TEST FACILITY	87,500		109,400	21,500	105,000	46,800	530,000
HIGH ENERGY LASER FACILITY, LASL, NM	22,600		21,710	3,170	6,020		53,500

ANALYSIS OF CIVIL ACQUISITIONS HAVING  
100 PERCENT OR GREATER COST GROWTH  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL AND/OR BASELINE ESTIMATE	COST CHANGE DUE TO				SUNDRY	CURRENT ESTIMATE
		QUANTITY ENGINEERING	SUPPORT SCHEDULE	ECONOMIC ESTIMATING			
LIQUID METAL FAST BREEDER, CLINCH RIVER, TN	699,000	299,000	50,000	519,000	169,000	1,736,000	
NEW PLUTONIUM RE- COVERY FACILITY, ROCKY FLATS	63,000	21,500	9,170	20,790	6,650	140,000	
NEW WASTE CALCIN- ING FACILITY (CHEMICAL PRO- CESSING PLANT, NRTS), ID	20,000	39,000		6,000		65,000	
WEAPONS PRODUCTION CAPABILITIES, VARIOUS LOCATIONS	32,300	148,200	40,200	4,500	40,610	309,310	
TOTAL	954,400	501,910	39,500	670,110	229,250	2,908,810	
ENVIRONMENTAL PROTECTION AGENCY:							
HOPEWELL, VA	9,900	7,100			21,400	38,400	
PHILADELPHIA, PA	49,300				49,200	98,500	
UPPER OCCOQUAN SEWAGE AUTH., VA	20,400	37,900				58,300	
WASHINGTON SUB- URBAN SANITARY COMMISSION, MD	45,600	49,100				94,700	

ANALYSIS OF CIVIL ACQUISITIONS HAVING  
100 PERCENT OR GREATER COST GROWTH  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT	ORIGINAL AND/OR BASELINE ESTIMATE	COST CHANGE DUE TO							CURRENT ESTIMATE
		QUANTITY	ENGINEERING	SUPPORT	SCHEDULE	ECONOMIC	ESTIMATING	SUNDRY	
WASHINGTON, D. C.	47,100	101,000							148,100
TOTAL	172,300	195,100					21,400	49,200	438,000
GENERAL SERVICES ADMINISTRATION:									
J. EDGAR HOOVER FBI BUILDING	60,000	28,738	4,006			31,289		2,075	126,108
NATIONAL RAILROAD PASSENGER CORPORATION:									
BI-LEVEL COACHES	90,000	51,000				47,000			188,000
TENNESSEE VALLEY AUTHORITY:									
BEAR CREEK WATER CONTROL SYSTEM	24,000	2,000	2,000		3,000	19,000	4,000		54,000
BROWNS'S FERRY NUCLEAR PLANT, UNITS 1-3	392,000	60,000	46,000		35,000	192,000	90,000		815,000
SERIDDYAH NUCLEAR PLANT, UNITS 1-2	336,000	60,000	24,000		35,000	175,000	45,000		675,000
TELLICO DAM AND RESERVOIR	42,500	16,500			4,000	31,000	6,000		100,000
TOTAL	794,500	138,500	72,000		77,000	417,000	145,000		1,644,000

ANALYSIS OF WEAPON SYSTEM COST CHANGES  
FROM DECEMBER 31, 1974 TO JUNE 30, 1975

An analysis of cost changes on 47 weapon systems on SAR during the 6 months ended June 30, 1975, is shown in the table below. There was a net decrease in total cost of \$1,894.4 million. The Office of the Secretary of Defense established categories of the cause of cost variances for use on SAR, and weapons program managers quantify the impact of the causes on each program. Quantity changes accounted for a net increase of \$461.5 million, and other changes, such as engineering, schedule, economic, and revisions in estimates in the 47 programs, amounted to a net decrease of \$2,355.9 million.

Type of change	<u>Army</u>	<u>Navy</u>	<u>Air Force</u>	<u>Change during period</u>
	(millions)			
Total quantity increase--net	\$ -	\$ 431.9	\$ 29.6	\$ 461.5
Other changes:				
Engineering	5.5	182.1	-17.3	170.3
Support	-135.8	155.9	-.9	19.2
Schedule	142.2	62.6	-	204.8
Economic	-2,882.1	-394.3	-181.5	-3,457.9
Estimating	-.5	563.1	-14.2	548.4
Sundry	54.2	102.9	2.2	159.3
Total - other changes	<u>-2,816.5</u>	<u>672.3</u>	<u>-211.7</u>	<u>-2,355.9</u>
Total	<u>\$-2,816.5</u>	<u><sup>a</sup>\$ 1,104.2</u>	<u>\$ -182.1</u>	<u>\$-1,894.4</u>
Number of systems (total 47)	14	23	10	47

<sup>a</sup>Total includes increase of \$1.8 million related to the Air Force portion of the Sparrow F and Sidewinder missile programs.



ANALYSIS OF CIVIL ACQUISITIONS HAVING  
100 PERCENT OR GREATER COST GROWTH  
AT JUNE 30, 1975  
(DOLLARS IN THOUSANDS)

AGENCY AND PROJECT VEYFRANS ADMINI- STRATION:	ORIGINAL AND/OR BASELINE ESTIMATE	QUANTITY ENGINEERING	SUPPORT	SCHEDULE	ECONOMJC	ESTIMATING	SUNDRY	CURRENT ESTIMATE
RELOCATION HOSPITAL, LOMA LINDA, CA	33,531						37,483	71,014
TOTAL	46,980,635	13,288,752	22,690,176	48,357	172,555	36,632,529	1,185,756	5,373,903
								126,372,663

COST DATA COMPARISON FROM  
DECEMBER 31, 1974 TO JUNE 30, 1975

<u>Number of systems</u> (note b)	<u>Planning estimate</u>	<u>Development estimate</u>	<u>Cost change (note a)</u>		<u>Current estimate</u>
			<u>Quantity increase or decrease(-)</u>	<u>Other</u>	
	(millions)				
Army (13)	\$ 15,542.3	\$ 16,596.7	\$ -968.8	\$ 9,590.7	\$ 25,218.6
Navy (23) (note c)	44,196.5	52,217.8	3,062.8	18,305.6	73,586.2
Air Force (10)	<u>28,861.3</u>	<u>36,466.9</u>	<u>-2,177.5</u>	<u>21,877.4</u>	<u>56,166.8</u>
Total at 12-31-74 (46)	<u>\$ 88,600.1</u>	<u>\$105,281.4</u>	<u>\$ -83.5</u>	<u>\$ 49,773.7</u>	<u>\$154,971.6</u>
Army (13)	\$ 15,542.3	\$ 16,596.7	\$ -968.8	\$ 6,774.2	\$ 22,402.1
Navy (23) (note c)	44,196.5	52,217.8	3,501.8	18,970.8	74,690.4
Air Force (10)	<u>28,861.3</u>	<u>36,466.9</u>	<u>-2,147.9</u>	<u>21,665.7</u>	<u>55,984.7</u>
Total at 6-30-75 (46)	<u>\$ 88,600.1</u>	<u>\$105,281.4</u>	<u>\$ 385.1</u>	<u>\$ 47,410.7</u>	<u>\$153,077.2</u>
Difference for 46 systems	<u>-</u>	<u>-</u>	<u>\$ 468.6</u>	<u>\$ -2,363.0</u>	<u>\$ -1,894.4</u>
Changes in current estimate for system added to SAR (1)	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Changes in current estimate for 47 systems	<u>-</u>	<u>-</u>	<u>\$ 468.6</u>	<u>\$ -2,363.0</u>	<u>\$ -1,894.4</u>

<sup>a</sup>These cost changes represent total change for each system from the time a development estimate is established--generally the time a development contract is awarded for a system--through the current estimate, or the date of SAR--in this case June 30, 1975.

<sup>b</sup>The total number of systems on SAR at December 31, 1974, was 48 and at June 30, 1975, was 47. Two systems--the Army SCOUT and Navy VAST--were deleted from SAR as of December 31, 1974. One Army system--ROLAND--was added to SAR for the first time as of June 30, 1975.

<sup>c</sup>The estimates for the Navy systems include costs of the Air Force portion of the SPARROW F and SIDEWINDER AIM-9L missile programs. For example, the Navy's estimate at December 31, 1974, included Air Force costs of \$530.7 million for the SPARROW F and \$240.7 million for the SIDEWINDER. The estimate at June 30, 1975, included Air Force costs of \$531.5 million for the SPARROW F and \$241.7 million for the SIDEWINDER.

Following is a summary by military service of cost changes during the 6 months ended June 30, 1975, for major weapon systems as reported on SAR.

ARMY NET DECREASE OF \$2,816.5 MILLION:

IMPROVED HAWK MISSILE:

Increase of \$1.7 million:

Net result of (1) \$0.4 million decrease due to applying revised inflation provisions and (2) \$2.1 increase in development costs for tactical data link, moving target indicator and mod oscillator product improvement programs.

LANCE MISSILE:

Increase of \$2.2 million:

Result of refining prior year procurement estimates to actual costs.

TOW MISSILE:

Increase of \$1.5 million:

Result of revised provisions for inflation.

DRAGON MISSILE:

Decrease of \$0.5 million:

Result of revised provisions for inflation.

SAM-D SURFACE-TO-AIR MISSILE SYSTEM:

Decrease of \$159.5 million:

Result of (1) \$158.9 million decrease due to applying revised inflation provisions and (2) \$0.6 million decrease due to refining estimates.

TACFIRE (TACTICAL FIRE DIRECTION SYSTEM):

Increase \$0.2 million:

Result of revised provisions for inflation.

## UTTAS HELICOPTER:

Decrease of \$619.1 million:

Result of (1) \$481.6 million decrease due to applying revised inflation provisions and removal of stock fund spares estimate and (2) \$137.5 million decrease for support change due to removal of stock fund spares estimate.

## MICV (Mechanized Infantry Combat Vehicle):

Decrease of \$8.3 million:

Net result of (1) \$8.6 million decrease due to applying revised inflation provisions and (2) \$0.3 million increase because of added requirement for firing Port Weapon Integration.

## STINGER MISSILE:

Increase of \$1.5 million:

Net result of (1) \$1.7 million increase due to applying revised inflation provisions and (2) \$0.2 million decrease due to refining estimates.

## AAH HELICOPTER:

Decrease of \$262.4 million:

Result of revised provisions for inflation.

## XM-1 TANK:

Decrease of \$1,736.9 million:

Result of (1) \$1,734.5 million decrease due to applying revised inflation provisions and (2) \$2.4 million decrease due to refining estimates.

## AN/TTC-39:

Decrease of \$36.9 million:

Result of revised provisions for inflation.

## NAVY NET INCREASE OF \$1,104.2 MILLION:

## MARK-48 TORPEDO:

Decrease of \$3.0 million:

Net result of refining estimates, revised provisions for inflation and reprogramming actions.

## F-14A AIRCRAFT:

Increase of \$511.7 million:

Net result of (1) \$20.3 million increase due to applying revised inflation provisions, (2) \$8.3 million decrease due to refining estimates, (3) \$57.6 million increase to adjust support costs, and (4) \$442.1 million increase based on additional cost to complete fiscal year 1976 and 1977 procurement, loss of Grumman business base, reestimation of production reductions associated with Iran deliveries, adjustment for loss of vendor options and additional production manhour requirements.

## SSN-688 SUBMARINE:

Increase of \$107.3 million:

Result of (1) \$103.6 million increase due to applying revised inflation provisions and (2) \$3.7 million increase because of addition to scope/estimate for construction at SUBASE New London.

## DLGN-38 CLASS SHIP:

Increase of \$11.9 million:

Result of revised provisions for inflation.

## SPARROW F MISSILE:

Increase of \$11.3 million: (Navy \$10.5 million increase,  
Air Force \$0.8 million increase)

Net result of (1) \$11.1 million increase due to applying revised inflation provisions, (2) \$0.2 million increase for contract evaluation fee, (3) \$0.4 million increase due to minor engineering changes, and (4) \$0.4 million decrease due to reduced fiscal year 1975 program requirements.

## POSEIDON MISSILE:

Decrease of \$6.7 million:

Net result of (1) \$15.4 million decrease due to applying revised inflation provisions, (2) \$4.1 million decrease due to adjustment to modification program, and (3) \$12.8 million increase due to cost overrun on fiscal year 1974 missile contract.

## CONDOR MISSILE:

Increase of \$3.0 million:

Result of (1) \$2.6 million increase due to cost growth on pilot production contract and (2) \$0.4 million increase for additional equipment testing.

## A-7E AIRCRAFT:

Increase of \$61.4 million:

Net result of (1) \$11.6 million decrease due to applying revised inflation provisions, (2) \$3.5 increase due to additional reliability and maintainability testing, and (3) \$69.5 million net increase based on final pricing of prior year spares and support equipment modifications and the repricing of the total program at current known prices.

## PHOENIX MISSILE:

Increase of \$59.1 million:

Net result of (1) \$77.5 million increase due to applying revised inflation provisions and (2) \$18.4 million decrease due to reprogramming actions.

## S-3A AIRCRAFT:

Increase of \$2.3 million:

Result of refining estimate on the basis of actual cost.

## E-2C AIRCRAFT:

Increase of \$38.9 million:

Result of repricing prior year support costs and refining the fiscal year 1977 cost estimates.

## LHA SHIP:

Decrease of \$0.2 million:

Result of revised provisions for inflation.

## P-3C AIRCRAFT:

Increase of \$25.4 million:

Net result of (1) \$8.0 million decrease due to applying revised inflation provisions, (2) \$19.0 million increase for engineering changes to electronic equipment, (3) \$15.7 million increase due to additional spare and support requirements, and (4) \$1.3 million decrease due to refining estimates.

## DD-963 SHIP:

Increase of \$44.2 million:

Result of revised provisions for inflation.

## HARPOON MISSILE:

Increase of \$56.5 million:

Net result of realignment of program cost growth, application of revised inflation provisions, and rescheduling of procurement from fiscal year 1975 to 1981.

## PHM SHIP:

Increase of \$18.7 million:

Net result of (1) \$4.0 million decrease due to applying revised inflation provisions, (2) \$0.8 million increase due to technical engineering problem, (3) \$7.5 million increase because of schedule slippage, (4) \$0.9 million increase for cost overrun, (5) \$1.0 million increase because of stoppage of work on PHM-2 in order to complete PHM-1, and (6) \$12.5 million increase due to refining estimates.

## TRIDENT UNDERSEA STRATEGIC MISSILE SYSTEM:

Increase of \$174.3 million:

Net result of (1) \$83.0 million increase due to applying revised inflation provisions, (2) \$38.7 million increase due to reprogramming and refining estimates, (3) \$5.3 million increase for defense access roads, (4) \$47.3 million increase for community impact assistance and enactment of new state sales tax.

## FFG-7 SHIP: (Changed from PF class on June 30, 1975 SAR)

Decrease of \$49.3 million:

Net result of (1) \$58.3 million decrease due to applying revised inflation provisions and (2) \$9.0 million increase to cover potential cost growth in lead ship cost type contract.

## SIDEWINDER AIM-9L MISSILE:

Increase of \$26.0 million: (Navy \$25.0 million increase, Air Force \$1.0 million increase)

Result of (1) \$0.5 million increase due to applying revised inflation provisions, (2) \$24.8 million increase for refining estimates based on experienced costs, (3) \$0.1 million increase for support costs, and (4) \$0.6 million increase for new test equipment.

## PHALANX ANTI-SHIP-MISSILE DEFENSE SYSTEM:

Decrease of \$0.7 million:

Net result of (1) \$1.5 million increase due to return of funds previously reprogrammed and (2) \$2.2 million decrease due to applying revised inflation provisions.

## CH-53E HELICOPTER:

Increase of \$12.1 million:

Result of (1) \$10.1 million increase due to applying revised inflation provisions and (2) \$2.0 million increase for initial spares.



## AIR FORCE NET DECREASE OF \$182.1 MILLION:

## AWACS (AIRBORNE WARNING AND CONTROL SYSTEM):

Decrease of \$61.0 million:

Result of (1) \$41.2 million decrease due to revised inflation provisions, (2) \$18.4 million decrease based on revised estimate for initial spares, and (3) \$1.4 million decrease due to refining estimates.

## F-5E AIRCRAFT:

Decrease of \$2.0 million:

Result of reduction in fiscal year 1973 procurement requirements.

## MAVERICK MISSILE:

Increase of \$4.8 million:

Net result of (1) \$0.2 million increase due to revised inflation provisions, (2) \$4.6 million increase for engineering change to add scene magnification to program, (3) \$0.5 million decrease due to deletion of storage incentive, and (4) \$0.5 million increase in aerospace ground equipment requirements.

## F-111 AIRCRAFT:

Decrease of \$18.6 million:

Net result of (1) \$1.7 million increase for spares adjustments, (2) \$11.9 million decrease due to refining estimates, and (3) \$8.4 million decrease due to negotiated reductions for software, aerospace ground equipment and data.

## B-1 AIRCRAFT:

Increase of \$31.4 million:

Net result of (1) \$2.0 million decrease due to revised initial spares estimate and (2) \$33.4 million increase due to applying revised inflation provisions.

## F-15 AIRCRAFT:

Decrease of \$122.9 million:

Net result of (1) \$128.7 million decrease due to applying revised inflation provisions, (2) \$1.0 million increase for supersonic qualification of fuel tank, (3) \$2.7 million increase for settlement of subcontractor claim, and (4) \$2.1 million increase for prior year price adjustments.

## A-10 AIRCRAFT:

Decrease of \$14.2 million:

Result of revised provisions for inflation.

## MINUTEMAN III MISSILE:

Decrease of \$32.6 million:

Result of (1) \$1.6 million decrease due to prior year adjustments and (2) \$31.0 million decrease due to applying revised inflation provisions.

## A-7D AIRCRAFT:

Increase of \$32.4 million:

Result of (1) \$29.6 million increase based on congressional action reinstating fiscal year 1975 procurement appropriation for 24 aircraft, (2) \$2.4 million increase for adjustment to initial spares, and (3) \$0.4 million increase for Airframe Structural Integrity Program.

## AABNCP (ADVANCED AIRBORNE COMMAND POST)

Increase of \$0.6 million:

Result of adjustment to prior year estimates.

PROGRAM COST DATA APPEARING ON JUNE 30, 1975, SAR

<u>System</u>	<u>Planning estimate</u>	<u>Development estimate</u>	<u>Cost change</u>		<u>Current estimate</u>
			<u>Quantity increase or decrease (-)</u>	<u>Other</u>	
(millions)					
Navy (23):					
MARK-48 (note b)	\$ 720.5	\$ 1,753.8	\$ -395.2	\$ 486.1	\$ 1,844.7
F-14A (notes a,c)	6,166.0	6,166.0	-59.2	2,008.7	8,115.5
SSN-688	1,658.0	5,747.5	1,433.7	1,441.9	8,623.1
AEGIS	388.0	427.6	-	149.2	576.8
DIGN-38 (note d)	769.2	820.4	645.3	139.3	1,605.0
SPARROW F (note e)	151.5	707.7	-120.4	733.4	1,320.7
POSEIDON (note a)	4,568.7	4,568.7	-206.1	484.4	4,847.0
CONDOR	356.3	441.0	-165.8	148.0	423.2
CVAN-68 CLASS	1,919.5	2,036.2	-	591.0	2,627.2
A-7E (note a)	1,465.6	1,465.6	426.7	940.5	2,832.8
PHOENIX	370.8	536.4	44.3	653.1	1,233.8
S-3A	1,763.8	2,891.1	-70.9	504.2	3,324.4
E-2C (note a)	586.2	586.2	341.5	402.2	1,329.9
LHA (note a)	1,380.3	1,380.3	-436.9	346.8	1,290.2
P-3C (note a)	1,294.2	1,294.2	1,442.8	461.7	3,198.7
DD-963	1,784.4	2,581.2	-	1,095.8	3,677.0
HARPOON	1,071.4	1,031.8	46.6	511.9	1,590.3
PHM (note a)	726.2	726.2	-222.1	772.4	1,276.5
TRIDENT (note a)	12,431.1	12,431.1	5.3	3,891.3	16,327.7
FFG-7 (notes a,f)	3,244.5	3,244.5	761.8	2,775.9	6,782.2
SIDEWINDER					
AIM-9L (notes a,e)	233.4	233.4	47.5	141.9	422.8
PHALANX (note a)	568.5	568.5	-17.1	284.4	835.8
CH-53E (note a)	578.4	578.4	-	6.7	585.1
<b>Total</b>	<b>\$ 44,196.5</b>	<b>\$ 52,217.8</b>	<b>\$ 3,501.8</b>	<b>\$ 18,970.8</b>	<b>\$ 74,690.4</b>
System deleted as of December 31, 1974					
(1):					
VAST	\$ 241.1	\$ 312.0	\$ -173.0	\$ 308.6	\$ 447.6

PROGRAM COST DATA APPEARING ON JUNE 30, 1975, SAR

<u>System</u>	<u>Planning estimate</u>	<u>Development estimate</u>	<u>Cost change</u>		<u>Current estimate</u>
			<u>Quantity increase or decrease (-)</u>	<u>Other</u>	
	(millions)				
Army (13):					
IMPROVED HAWK	\$ 335.5	\$ 588.2	\$ -3.9	\$ 400.3	\$ 984.6
LANCE	586.7	652.9	74.3	126.4	853.6
TOW	410.4	727.3	-73.1	389.4	1,043.6
DRAGON	382.2	404.2	13.3	291.4	708.9
SAM-D	4,916.8	5,240.5	-989.3	1,353.8	5,605.0
TACFIRE	123.6	160.5	32.3	101.2	294.0
UTTAS (note a)	2,307.3	2,307.3	-22.0	1,038.1	3,323.4
HLH (note a)	189.9	189.9	-	29.0	218.9
MICV	209.4	245.4	-.4	156.4	401.4
STINGER (note a)	473.8	473.8	-	189.5	663.3
AAH (note a)	1,800.2	1,800.2	-	1,035.3	2,835.5
XML TANK (note a)	3,005.4	3,005.4	-	1,448.4	4,453.8
AN/TTC-39 (note a)	801.1	801.1	-	215.0	1,016.1
	15,542.3	16,596.7	-968.8	6,774.2	22,402.1
New system as of June 30, 1975 (1):					
ROLAND (note a)	1,119.5	1,119.5	-	-	1,119.5
Total	\$ <u>16,661.8</u>	\$ <u>17,716.2</u>	\$ <u>-968.8</u>	\$ <u>6,774.2</u>	\$ <u>23,521.6</u>
System deleted as of December 31, 1974 (1):					
SCOUT	\$ 244.6	\$ 244.6	\$ -168.4	\$ -36.4	\$ 39.8

## PROGRAM COST DATA APPEARING ON JUNE 30, 1975, SAR

<u>System</u>	<u>Planning estimate</u>	<u>Development estimate</u>	<u>Cost change</u>		<u>Current estimate</u>
			<u>Quantity increase or decrease (-)</u>	<u>Other</u>	
	(millions)				
Air Force (10):					
AWACS	\$ 2,656.7	\$ 2,661.6	\$ -172.3	\$ 1,226.9	\$ 3,716.2
F-5E (note g)	698.6	315.5	102.3	11.2	429.0
MAVERICK	257.9	383.4	238.4	140.7	762.5
F-111	4,686.6	5,505.5	-2,515.4	4,191.3	7,181.4
B-1	8,954.5	11,218.8	-27.9	9,412.1	20,603.0
F-15	6,039.1	7,355.2	-	3,465.3	10,820.5
A-10 (note h)	1,025.5	2,489.7	-	670.0	3,159.7
MINUTEMAN III	2,695.5	4,673.8	317.9	2,254.6	7,246.3
A-7D (note a)	1,379.1	1,379.1	-90.9	296.4	1,584.6
AABNCP	467.8	484.3	-	-2.8	481.5
Total	<u>\$ 28,861.3</u>	<u>\$ 36,466.9</u>	<u>\$ -2,147.9</u>	<u>\$ 21,665.7</u>	<u>\$ 55,984.7</u>

<sup>a</sup>For those programs with only a development or a planning estimate available, we have made both estimates the same to prevent distortion between the totals of the column.

<sup>b</sup>The planning estimate of \$720.5 million represents the program before the MARK-48 Mod 1 was accepted as the Navy's torpedo program.

<sup>c</sup>Beginning June 30, 1973, the F-14 SAR became the F-14A SAR because present Navy plans did not call for procuring the F-14B version of the aircraft.

<sup>d</sup>Before issuing the present contract, the Navy's long-range program included 23 ships of this class for a planning estimate of \$3,980 million in fiscal year 1970 dollars. The present program is for five ships.

<sup>e</sup>Estimates include Air Force costs for research, development, and procurement.

<sup>f</sup>Redesignated from PF-109 class to FFG-7 class on June 30, 1975 SAR.

<sup>g</sup>The \$383.1 million decrease in development estimate compared to the planning estimate was the result of eliminating military assistance program cost estimates from SAR.

<sup>h</sup>The A-10 was formerly known as the A-X aircraft. The planning estimate of \$1,025.5 million represents the total program cost estimate as cited in the development concept paper. This planning estimate is stated in constant 1970 dollars, based on a 600-aircraft program, and considers a turboprop configuration.

QUANTITY AND PROGRAM UNIT COST CHANGES  
DURING THE SIX MONTHS ENDED JUNE 30, 1975

Cost growth in major weapon systems results from such things as unanticipated development difficulties, faulty planning, poor management, poor estimating, or underestimating. However, not all cost growth can reasonably be prevented. For instance, unusual periods of inflation may result in cost growth. Changes in technology may make it possible to incorporate modifications that result in an overall increase in system's effectiveness. Such cost growth cannot always be anticipated, particularly when a weapon system is in development and production over long periods.

Cost growth has been a major reason for reducing the number of units of a weapon system to be acquired by the services. Continued cost growth and the need to stay within budgetary limitations will undoubtedly result in major reductions in the number of units to be acquired for many of the new systems under development.

The schedule on the following page shows the planning and development estimates for quantities and program unit costs planned for the weapon system programs. The schedule also shows the current estimate for quantities and program unit costs at June 30, 1975, and the quantity changes and unit cost changes during the 6 months ended June 30, 1975.

QUANTITY AND PROGRAM UNIT COST CHANGES  
DURING THE SIX MONTHS ENDED JUNE 30, 1975

System	Planning and development estimates		Current estimate June 30, 1975		Change during period	
	Quantity	Program unit cost (millions)	Quantity	Program unit cost (millions)	Quantity change increase or decrease (-)	Unit cost change increase or decrease (-) (millions)
Army (14):						
IMPROVED HAWK	(a)	\$ (a)	(a)	\$ (a)	(a)	\$ .02
LANCE	(a)	(a)	(a)	(a)	(a)	(a)
TOW	233,081	.00312	(a)	(a)	(a)	(a)
DRAGON	247,360	.001634	86,095	.008223	0	-.000017
SAM-D	(a)	(a)	(a)	(a)	(a)	(a)
TACFIRE	149	(b) 1.007	(a)	(a)	(a)	(a)
UTLAS	1,123	2.1	1,117	2.98	0	-.52
HLH (PROTOTYPE)	(c)	(c)	(c)	(c)	(c)	(c)
MICV	1,205	.204	1,203	.334	0	-.007
STINGER	(a)	(a)	(a)	(a)	(a)	(a)
AAH	481	3.7	481	5.90	0	-.5
XMI TANK	3,323	.904	3,323	1.34	0	-.523
AN/TTC-39	308	(d) 2.601	308	(a) 3.299	0	-.12
ROLAND	(a)	(a)	(a)	(a)	(a)	(a)
Navy (23):						
MARK-48	4,194	.418	(a)	(a)	(a)	(a)
F-14A	469	12.63	390	19.86	0	1.31
SSN-688	32	179.609	38	226.924	0	2.824
ARGIS	(e)	(e)	(e)	(e)	(e)	(e)
DIGN-38	3	254.87	5	321.0	0	2.38
SPARROW F	(f) 15,685	.045	(f) 12,219	.108	0	.001
POSEIDON	31	(g) 147.377	31	(g) 156.355	0	-.216
CONDOR	3,348	.132	583	.726	0	.005
CVAN-68 CLASS	3	(h) 678.7	3	(h) 875.7	0	0
A-7E	595	2.463	666	4.253	0	.092
PHOENIX	2,384	.225	2,532	.487	0	.023
S-3A	199	14.5	187	17.8	0	0
E-2C	30	19.5	49	27.1	0	.8
LHA	9	153.367	5	258.04	0	-.04
P-3C	104	12.44	241	13.273	0	.113
DD-963	30	86.040	30	122.567	0	1.474
HARFOON	2,922	.353	2,922	.544	0	.019
FHM	30	24.21	24	53.2	0	.79
TRIDENT	10	(i) 1,243.11	10	(i) 1,632.78	0	17.44
FFG-7 CLASS (formerly FF)	50	64.890	56	121.111	0	-.88
SIDEWINDER (AIM-9L)	(f) 9,288	.025	(f) 11,133	.038	0	.002
PHALANX	370	1.536	364	2.296	0	-.002
CH-53E	74	7.8	74	7.9	0	.2
Air Force (10):						
AWACS	42	63.4	34	109.3	0	-1.8
F-5E	87	3.63	154	2.79	0	-.01
MAVERICK	17,205	.022	30,236	.0252	0	.0001
F-111	1,388	3.97	478	15.02	0	-.04
B-1	246	45.6	244	84.4	0	.1
F-15	749	9.82	749	14.45	0	-.16
A-10	743	3.35	743	4.25	0	-.02
MINUTEMAN III	760	6.15	798	9.08	0	-.04
A-7D	517	2.67	459	3.45	24	-.12
AAENCP	7	69.2	7	68.8	0	.1

<sup>a</sup>Classified.  
<sup>b</sup>Per set.  
<sup>c</sup>None listed.  
<sup>d</sup>Estimated program cost divided by total number of switches.  
<sup>e</sup>No procurement costs or quantities listed.  
<sup>f</sup>Includes Air Force quantities.  
<sup>g</sup>Per system.  
<sup>h</sup>Estimated program cost divided by three ships.  
<sup>i</sup>Estimated program cost divided by 10 hulls.

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