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REPORT TO THE CONGRESS



LM097104

Financial Status Of Major Civil Aquisitions December 31, 1973

*BY THE COMPTROLLER GENERAL
OF THE UNITED STATES*

PSAD-75-58

FEB. 24. 1975

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

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C1 To the President of the Senate and the
Speaker of the House of Representatives

This is our first annual summary report to the Congress on the financial status of selected major civil acquisitions funded by the Federal Government. The report also covers some acquisitions financed jointly with Federal, State, and other funds.

Departments and agencies responsible for the major civil acquisitions furnished the financial data on 269 projects in this report. We have not audited or verified the accuracy or completeness of this data and because of the large number of projects involved, we obtained explanations for cost growth only for those having increases of 100 percent or more. Inflation, engineering, estimating and quantity changes were identified as the major causes of cost growth. These agencies generally do not publish periodic reports similar to the quarterly Selected Acquisition Reports on major systems that the Department of Defense furnishes to congressional committees and others. As a result, the agencies had to make a special effort over several months to obtain the data we requested as of December 31, 1973.

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).

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

James B. Stacks

Comptroller General
of the United States

C o n t e n t s

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FINANCIAL STATUS OF MAJOR CIVIL ACQUISITIONS
DECEMBER 31, 1973

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ABBREVIATIONS

GAO	General Accounting Office
RDT&E	research, development, test, and evaluation

FINANCIAL STATUS OF MAJOR CIVIL ACQUISITIONS

DECEMBER 31, 1973

In 1969, because of congressional interest, GAO began to periodically report on major weapon acquisitions so that congressional committees and members would have available, reliable data on which to base judgments concerning these programs. In response to numerous inquiries for similar data on civil programs, we have prepared this consolidated financial status report on selected major non-defense acquisitions. It is our first annual report and covers 269 major acquisitions estimated to cost \$133 billion upon completion--an increase of \$57 billion over initial (or baseline when initial estimates were not available or outdated) cost estimates. (See app. I.) Future financial status reports will contain data as of June 30 of each year and will be available to the Congress in the fall.

We have also furnished to congressional committees five staff studies on individual civil major acquisitions during the past 2 fiscal years and will furnish eight additional reports this year. (See app. IV.) The detailed reports will discuss cost, schedule, and performance characteristics, as well as management problems for specific programs.

Departments and agencies responsible for the major civil acquisitions generally do not publish periodic reports similar to the quarterly Selected Acquisition Reports on major systems that the Department of Defense furnishes to congressional committees and others. As a result, they had to make a special effort, over several months, to obtain the data requested as of December 31, 1973. The agencies identified their major acquisitions for us as those:

1. Funded and authorized or appropriated by congressional committee action.
2. Involving \$25 million or more in Federal funds.
3. Funded directly by the Federal Government or by Government corporations, or involving at least 50 percent Federal funding.
4. Specifying scope of work, estimated total cost, measurable time to completion, and performance or purpose.

The agencies and departments were also asked to provide cost-growth breakdowns for acquisitions having 100 percent or more cost growth. The breakdown categories are:

1. Quantity changes--interchangeable with 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--adjustments in the delivery schedule, 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 since the initial or other baseline estimates for program or project costs.
7. Sundry--changes which do not fall within the above categories, such as environmental costs and relocation assistance associated with water and highway projects.

An analysis of 59 acquisitions having 100 percent or more cost growth is shown in the table below. The principal factor in cost growth is engineering changes, accounting for 41 percent of the total.

<u>Type of change</u>	<u>Atomic Energy Commission</u>	<u>Army Corps of Engineers</u>	<u>Department of Transportation</u>	<u>Other</u>	<u>Total change</u>
	(millions)				
Quantity	\$148.2	\$1,078.8	\$ 5,924.6	\$ 520.8	\$ 7,672.4
Engineering	118.4	1,161.4	17,463.5	375.5	19,118.8
Support	39.5	-	-	-	39.5
Schedule	23.7	388.1	-6.0	-	405.8
Economic	25.2	1,258.6	8.8	731.5	2,024.1
Estimating	223.5	985.6	9,277.9	-	10,487.0
Sundry	31.8	78.4	6,489.1	115.0	6,714.3
Total	<u>\$610.3</u>	<u>\$4,950.9</u>	<u>\$39,157.9</u>	<u>\$1,742.8</u>	<u>\$46,461.9</u>
Number having 100 percent or more increase	2	47	4	6	59
Total projects (see app. I)	12	156	13	88	269

The \$2 billion attributed to economic change principally represents inflation increases which, unlike the Department of Defense, most agencies do not include in their cost estimates. This is in line with the Office of Management and Budget's long-established policy which generally precludes allowances for future price increases in budget requests presented to the Congress. We believe that inflation is responsible for a much higher cost-growth increase than the agencies have attributed to this factor. In our future work we plan to place greater emphasis on obtaining a better analysis of the factors responsible for and amounts involved in cost growth.

We measured cost growth on each program by comparing a baseline cost with the current estimated cost, as shown in appendixes II and III. For most Federal agencies the baseline cost is the initial congressional authorization. When the departments and agencies could provide baseline figures based on more realistic definitions of scope than the initial amounts authorized, the authorization figures are provided but the baseline costs are used for comparison purposes. To obtain a more meaningful cost-growth comparison for recent years, a 1960 estimate is used for Army Corps of Engineers projects established before this date.

Acquisitions included in this report, unless otherwise indicated, are past the planning stage and into production, undergoing construction or testing. Completed projects are not included. The current estimated cost in most cases is that in effect at the end of calendar year 1973; but as noted in appendixes II and III, a number of agencies reported cost estimates developed during the first half of calendar year 1974 or later.

Scope of review

Information on major acquisitions was primarily obtained by request from 14 departments and independent agencies. In a few instances, information was obtained from prior GAO reports, other GAO records, and by reviewing congressional hearings. We have not verified the accuracy or completeness of the data furnished.

We made our review at various agency headquarter offices in Washington, D.C.

FINANCIAL STATUS OF MAJOR CIVIL ACQUISITIONS
SUMMARY 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)			
1 Appalachian Regional Commission	7	1	\$840,000	\$840,000	\$2,090,000	\$1,250,000
1 Architect of the Capitol	743	2	158,800	158,800	175,122	16,322
2 Atomic Energy Commission	7,8	12	1,764,400	1,764,400	2,526,678	762,278
3 Department of the Army: Corps of Engineers	305 9 to 21	156	9,725,492	11,784,918	19,355,331	7,570,413
4 Department of the Interior: Bonneville Power Administration	33	3	127,100	127,100	152,330	25,230
5 Bureau of Reclamation	76 22 to 24	24	5,599,828	5,599,828	8,198,444	2,598,616
6 Department of Transportation: Federal Aviation Administration	29	5	412,500	412,500	850,632	438,132
7 Federal Highway Administration	25	2	37,750,000	37,750,000	76,450,000	38,700,000
Urban Mass Transportation Administration	25	4	85,009	85,009	143,529	58,520
U.S. Coast Guard	25	2	125,000	125,000	125,000	-

BEST DOCUMENT AVAILABLE

APPENDIX I

FINANCIAL STATUS OF MAJOR CIVIL ACQUISITIONS
SUMMARY BY AGENCY

Agency	Reference page of app. II	Number of projects	Original estimate	Baseline estimate (000 omitted)	Current estimate	Increase over baseline estimate
8 - Department of the Treasury	38 26	1	\$ 50,000	\$ 50,000	\$ 55,300	\$ 5,300
9 - District of Columbia Government	C. 52 26	7	443,200	443,200	443,200	-
10 - General Services Administration	17 26,27	6	211,520	211,520	398,166	186,646
11 - National Aeronautics and Space Administration	36 27,28	23	7,734,000	8,267,500	10,144,500	1,877,000
12 - National Railroad Passenger Corp.	753 29	6	385,300	385,300	509,300	124,000
13 - Postal Service	52 29	1	950,000	950,000	950,000	-
14 - Tennessee Valley Authority	108 29,30	13	4,329,800	4,329,800	5,503,900	1,174,100
15 - Washington Metropolitan Area Transit Authority	30 C. 209	<u>1</u>	<u>2,494,600</u>	<u>2,494,600</u>	<u>4,500,000</u>	<u>2,005,400</u>
TOTAL		<u>269</u>	<u>\$73,186,549</u>	<u>\$75,779,475</u>	<u>\$132,571,432</u>	<u>\$56,791,957</u>

ESTIMATED COST DATA COMPARISON
FOR MAJOR CIVIL ACQUISITIONS

<u>Agency and project</u>	<u>Original estimate</u>		<u>Baseline estimate</u>		<u>Current estimate</u>		<u>Increase or decrease (-)</u> <u>from baseline estimate</u>	
	<u>Date</u>	<u>Amount</u>	<u>Date</u>	<u>Amount</u>	<u>Date</u>	<u>Amount</u>	<u>Amount</u>	<u>Percent</u>
	(000 omitted)							
APPALACHIAN REGIONAL COMMISSION:								
Appalachian Development Highway (app. III, p. 33)	1965	<u>\$840,000</u>	1965	<u>\$840,000</u>	1971	<u>\$2,090,000</u>	<u>\$1,250,000</u>	149
ARCHITECT OF THE CAPITOL								
Extension of Dirksen Office Building	1-74	68,800	1-74	68,800	11-74	85,122	16,322	24
Library of Congress, James Madison Building	3-70	<u>90,000</u>	3-70	<u>90,000</u>	6-74	<u>90,000</u>	-	-
Total		<u>158,800</u>		<u>158,800</u>		<u>175,122</u>	<u>16,322</u>	
ATOMIC ENERGY COMMISSION:								
Components Preparation Labs, Multiple Sites	12-71	26,000	12-71	26,000	8-73	30,000	4,000	15
Component Test Facility, Oak Ridge, Tenn.	12-71	21,200	12-71	21,200	1974	27,400	6,200	29
Fast Flux Test Facility (app. III, p. 33)	9-66	87,500	9-66	87,500	^a 12-73	420,000	332,500	380

ESTIMATED COST DATA COMPARISON
FOR MAJOR CIVIL ACQUISITIONS

<u>Agency and project</u>	<u>Original estimate</u>		<u>Baseline estimate</u>		<u>Current estimate</u>		<u>Increase or decrease (-) from baseline estimate</u>	
	<u>Date</u>	<u>Amount</u>	<u>Date</u>	<u>Amount</u>	<u>Date</u>	<u>Amount</u>	<u>Amount</u>	<u>Percent</u>
	(000 omitted)							
ATOMIC ENERGY COMMISSION: (Cont'd)								
Fire, Safety, and Adequacy of Operating Conditions Projects, Various Locations	12-70	\$118,000	12-70	\$118,000	1974	\$193,000	\$ 75,000	64
Gaseous Diffusion Production Support Facilities	4-71	95,000	4-71	95,000	1974	107,020	12,020	13
Liquid Metal Fast Breeder, Clinch River, Tenn.	8-72	422,000	8-72	422,000	8-72	422,000	-	-
Nuclear Safety Engineering Test Facility, National Reactor Testing Station, Idaho	9-62	19,400	9-62	19,400	1974	36,600	17,200	89
Process Equipment Modifi- cations Gaseous Diffusion Plants	12-71	523,000	12-71	523,000	1974	565,000	42,000	8
Restoration of Production Facilities at Rocky Flats	5-69	45,000	5-69	45,000	1974	40,558	-4,442	-10
S8G Prototype Propulsion Plant, W. Milton, N.Y.	3-72	125,000	3-72	125,000	3-72	125,000	-	-
Weapons Production Capabili- ties, Various Locations (app. III, p. 33)	12-66	32,300	12-66	32,300	8-74	310,100	277,800	860
200 BEV Accelerator, DuPage and Kane Counties, Ill.	12-67	<u>250,000</u>	12-67	<u>250,000</u>	12-67	<u>250,000</u>	-	-
Total		<u>1,764,400</u>		<u>1,764,400</u>		<u>2,526,678</u>	<u>762,278</u>	

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ESTIMATED COST DATA COMPARISON
FOR MAJOR CIVIL ACQUISITIONS

<u>Agency and project</u>	<u>Original estimate</u>		<u>Baseline estimate</u>		<u>Current estimate</u>		<u>Increase or decrease (-) from baseline estimate</u>	
	<u>Date</u> (note j)	<u>Amount</u>	<u>Date</u> (note k)	<u>Amount</u>	<u>Date</u> (note l)	<u>Amount</u>	<u>Amount</u>	<u>Percent</u>
				(000 omitted)				
DEPARTMENT OF THE ARMY								
CORPS OF ENGINEERS:								
Flood Control:								
Alum Creek Lake, Ohio	1963	\$ 22,700	1970	\$35,500	7-73	\$45,500	\$10,000	28
R. Everett Jordan Dam and Lake, N.C. (app. III, p. 34)	1963	825,462	1963	25,462	7-74	874,600	49,138	193
Bear Creek Lake, Colo.	1968	32,314	1973	53,000	7-73	55,800	2,800	5
Beech Fork Lake, W. Va. (app. III, p. 34)	1962	11,000	1967	12,800	7-73	28,600	15,800	123
Big Darby Lake, Ohio (app. III, p.34)	1938	5,214	1965	27,200	7-73	78,100	50,900	187
Bloomington Lake, Md. and W. Va.	1962	51,000	1970	81,200	7-73	110,100	28,900	36
Blue Marsh Lake, Pa.	1962	12,500	1973	37,000	7-73	44,020	7,020	19
Brookville Lake, Ind.	1937	5,923	1965	27,200	7-73	34,900	7,700	28
Brunswick County Beaches, N.C.	1966	13,642	1973	19,000	7-73	27,200	8,200	43
Buffalo Bayou and Tributaries, Tex.	1954	^d 51,531	1960	^c 51,531	7-73	84,800	33,269	65
Burnsville Lake, W. Va.	1938	2,748	1971	30,700	7-73	39,700	9,000	29
Caesar Creek Lake, Ohio (app. III, p.34)	1938	3,595	1967	15,900	7-73	42,400	26,500	167
Carr Fork Lake, Ky. (app. III, p.34)	1962	9,020	1965	11,200	7-73	38,700	27,500	246
Central & Southern Fla.	1948	^d 237,500	1960	^c 237,500	7-73	473,000	235,500	99
Charles River Dam, Mass.	1968	18,620	1972	22,320	7-73	30,100	7,780	35

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ESTIMATED COST DATA COMPARISON
FOR MAJOR CIVIL ACQUISITIONS

Agency and project	Original estimate		Baseline estimate		Current estimate		Increase or decrease (-) from baseline estimate	
	Date (note j)	Amount	Date (note k)	Amount	Date (note l)	Amount	Amount	Percent
				(000 omitted)				
Flood Control: (Cont'd)								
Chartiers Creek, Pa.	1965	\$ 12,207	1968	\$14,400	7-73	\$25,900	\$11,500	80
Chatfield Lake, Colo.	1950	^d 34,200	1967	74,000	7-73	83,800	9,800	13
Chena River Lakes, Alaska	1968	111,700	1973	100,000	7-73	122,000	22,000	22
Clayton Lake, Okla.	1962	13,174	1973	21,800	7-73	31,000	9,200	42
Clinton Lake, Kans.	1962	25,200	1972	44,200	7-73	50,800	6,600	15
Cochite Lake, N. Mex.	1960	43,400	1965	50,000	7-73	90,800	40,800	82
Cooper Lake & Channels, Tex. (app. III, p. 34)	1955	^e 15,200	1961	^e 15,200	7-73	50,600	35,400	233
Copan Lake, Okla.	1962	25,578	1971	42,400	7-73	57,100	14,700	35
Cowanessque Lake, Pa.	1958	28,455	1973	53,500	7-73	58,900	5,400	10
Dry Creek Lake, Calif. (app. III, p. 34)	1962	42,400	1967	51,000	7-73	113,000	62,000	122
East Fork Lake, Ohio	1938	4,450	1967	25,560	7-73	37,100	11,540	45
East Lynn Lake, W. Va. (app. III, p. 34)	1937	^f 14,300	1965	14,300	7-73	31,000	16,700	117
Eldorado Lake, Kans.	1965	23,300	1971	29,300	7-73	58,300	29,000	99
Elk Creek Lake, Oreg.	1962	17,467	1971	27,200	7-73	42,400	15,200	56
Falls Lake, N.C.	1965	18,600	1971	29,600	7-73	59,100	29,500	99
Fire Island Inlet to Montauk Pt., N.Y. (app. III, p. 34)	1960	19,700	1963	19,700	7-73	54,000	34,300	174
Four Rivers Basins, Fla.	1962	56,261	1966	56,300	7-73	106,000	49,700	88

ESTIMATED COST DATA COMPARISON
FOR MAJOR CIVIL ACQUISITIONS

Agency and project	Original estimate		Baseline estimate		Current estimate		Increase or decrease (-) from baseline estimate	
	Date (note j)	Amount	Date (note k)	Amount	Date (note 1)	Amount	Amount	Percent
(000 omitted)								
Flood Control: (Cont'd)								
Gathright Lake, Va. (app. III, p. 34)	1946	d\$13,000	1967	\$16,300	7-73	\$49,800	\$33,500	206
Gila River, Downstream from Painted Rock, Ariz.	1962	18,400	1971	32,800	7-73	43,800	11,000	34
Hidden Lake, Calif.	1962	14,338	1968	17,400	7-73	25,900	8,500	49
Hillsdale Lake, Kans.	1954	d ^g 9,400	1973	37,300	7-73	43,700	6,400	17
Hugo Lake, Okla.	1946	d ^d 20,400	1967	22,600	7-73	35,600	13,000	58
Kansas City, Kans.	1962	17,833	1970	24,300	7-73	41,700	17,400	72
Kaw Lake, Okla.	1962	83,230	1966	86,600	7-73	111,000	24,400	28
Lafarge Lake and Channel Improvement, Wis.	1962	15,570	1971	24,100	7-73	35,100	11,000	46
Lafayette Lake, Ind.	1965	26,400	1971	38,000	7-73	61,200	23,200	61
Lake Ponchartrain and Vicinity, La. (app. III, p. 34)	1965	56,235	1967	65,784	7-73	203,000	137,216	209
Lake Shelbyville, Ill. (app. III, p. 34)	1958	e ^e 18,500	1961	e ^e 18,500	7-73	44,000	25,500	138
Lavon Lake Modification and East Fork Channel Improvements, Tex. (app. III, p. 34)	1962	23,760	1967	27,300	7-73	59,500	32,200	118
Lincoln Lake, Ill.	1965	30,720	1971	39,900	7-73	72,000	32,100	80
Los Angeles County Drainage Area, Calif.	1936	d ^d 338,000	1960	c ^c 338,000	7-73	322,000	-16,000	- 5
Meramec Park Lake, Mo.	1938	f ^f 79,100	1973	79,100	7-73	93,000	13,900	18
Missouri River Levee System (app. III, p. 34)	1928	f ^f 60,600	1962	60,600	7-73	147,800	87,200	144

ESTIMATED COST DATA COMPARISON
FOR MAJOR CIVIL ACQUISITIONS

Agency and project	Original estimate		Baseline estimate		Current estimate		Increase or decrease (-)	
	Date	Amount	Date	Amount	Date	Amount	from baseline estimate	
	(note j)		(note k)		(note l)		Amount	Percent
	(000 omitted)							
Flood control: (Cont'd)								
Napa River, Calif.	1965	\$14,950	1970	\$18,190	7-73	\$27,400	\$9,210	51
New Orleans to Venice Hurricane Protection, La. (app. III, p. 34)	1962	7,502	1964	7,580	7-73	74,900	67,320	888
Optima Lake, Okla.	1936	^f 23,100	1966	23,100	7-73	39,800	16,700	72
Paint Creek Lake, Ohio	1938	3,835	1965	23,800	7-73	25,800	2,000	8
Paintsville Lake, Ky.	1965	16,974	1971	22,700	7-73	32,900	10,200	45
Papillion Creek, Nebr. (app. III, p. 35)	1968	26,800	1972	38,000	7-73	78,500	40,500	107
Port Arthur and Vicinity, Tex.	1962	23,380	1966	40,600	7-73	56,300	15,700	39
R.D. Bailey Lake, W. Va.	1962	60,477	1967	82,600	7-73	127,200	44,600	54
Raystown Lake, Pa.	1962	32,150	1967	53,500	7-73	69,400	15,900	30
Red River Lake, Ky. (app. III, p. 35)	1962	8,020	1967	10,700	7-73	27,600	16,900	158
Red River Levees and Bank Stabilization (app. III, p. 35)	1946	^e 10,000	1961	^e 10,000	7-73	34,000	24,000	240
Rend Lake, Ill.	1962	27,600	1965	35,000	7-73	44,700	9,700	28
Ririe Lake, Idaho	1962	7,072	1967	13,100	7-73	25,000	11,900	91
River Rouge, Mich. (app. III, p. 35)	1962	8,659	1963	9,620	7-73	26,100	16,480	171
Sacramento River Bank Protection, Calif. (app. III, p. 35)	1960	14,240	1963	15,100	7-73	64,200	49,100	325

ESTIMATED COST DATA COMPARISON
FOR MAJOR CIVIL ACQUISITIONS

Agency and project	Original estimate		Baseline estimate		Current estimate		Increase or decrease (-) from baseline estimate	
	Date	Amount	Date	Amount	Date	Amount	Amount	Percent
	(note j)		(note k)	(000 omitted)	(note l)			
Flood Control: (Cont'd)								
Saginaw River, Mich. (app. III, p.35)	1958	\$16,200	1963	\$16,200	7-73	\$45,766	\$29,566	183
San Antonio Channel Improvement, Tex. (app. III, p. 35)	1954	\$15,870	1960	\$15,870	7-73	35,100	19,230	121
San Gabriel Rivers, Tex.	1962	45,450	1973	87,800	7-73	96,500	8,700	10
Saylorville Lake, Iowa	1958	44,500	1964	36,500	7-73	72,500	36,000	99
Skiatook Lake, Okla.	1962	22,875	1973	42,500	7-73	50,500	8,000	19
Smithville Lake, Mo.	1965	21,500	1972	39,000	7-73	58,800	19,800	51
Southwestern Jefferson County, Ky.	1968	21,940	1973	26,800	7-73	31,100	4,300	16
Stonewall Jackson Lake, W. Va.	1966	34,500	1971	45,200	7-73	87,500	42,300	94
Tallahala Creek Lake, Miss.	1968	13,800	1973	19,200	7-73	31,300	12,100	63
Taylorville Lake, Ky.	1966	21,840	1971	29,100	7-73	43,100	14,000	48
Texas City and Vicinity, Tex. (app. III, p. 35)	1958	\$6,240	1962	6,670	7-73	45,300	38,630	579
Tioga-Hammond Lakes, Pa.	1958	53,575	1971	88,200	7-73	121,700	33,500	38
Tombigbee River and Tri- butaries, Miss. and Ala. (app. III, p. 35)	1958	^g 19,311	1958	19,311	7-74	^g 53,300	33,989	176
Trinidad Lake, Colo.	1958	^d 19,200	1968	21,600	7-73	36,400	14,800	69
Walnut Creek, Calif.	1960	17,980	1964	21,300	7-73	32,700	11,400	54
Waterloo, Iowa	1965	14,900	1970	17,200	7-73	26,900	9,700	56
Wauricka Lake, Okla.	1963	25,100	1970	37,500	7-73	59,100	21,600	58

ESTIMATED COST DATA COMPARISON
FOR MAJOR CIVIL ACQUISITIONS

Agency and project	Original estimate		Baseline estimate		Current estimate		Increase or decrease (-) from baseline estimate	
	Date (note j)	Amount	Date (note k)	Amount	Date (note l)	Amount	Amount	Percent
	(000 omitted)							
Flood Control: (Cont'd)								
Yatesville Lake, Ky.	1965	\$20,007	1973	\$28,800	7-73	\$40,500	\$11,700	41
Subtotal		2,553,394		3,286,898		5,390,286	2,103,388	
Mississippi River and Tributaries:								
Atchafalaya Basin, La. (app. III, p. 36)	1927	^e 120,000	1961	^e 120,000	7-73	661,000	541,000	451
Lower Red River South Bank (app. III, p.36)	1927	^d 8,990	1960	^c 8,990	7-73	26,400	17,410	194
Mississippi River Cache Basin (app. III, p.36)	1949	^{d, g} 25,000	1960	25,000	7-73	^e 68,700	43,700	175
Mississippi River Channel Improvements (app. III, p. 36)	1927	^d 468,000	1960	^c 468,000	7-73	1,831,000	1,363,000	291
Mississippi River Levees (app. III, p.36)	1927	^d 221,000	1960	^c 221,000	7-73	688,000	467,000	211
Mississippi River Tensas Basin, La. (app. III, p. 36)	1940	^e 31,700	1961	^e 31,700	7-73	186,500	154,800	488
Mississippi River Yazoo Basin (app. III, p.36)	1935	^e 195,000	1961	^e 195,000	7-73	409,000	214,000	110
Mississippi River West Tennessee Tributaries (app. III, p. 36)	1947	^d 8,400	1960	^c 8,400	7-73	28,747	20,347	242
Mississippi River St. Francis Basin (app. III, p. 36)	1935	^e 88,200	1961	^e 88,200	7-73	233,000	144,800	164

ESTIMATED COST DATA COMPARISON
FOR MAJOR CIVIL ACQUISITIONS

<u>Agency and project</u>	<u>Original estimate</u>		<u>Baseline estimate</u>		<u>Current estimate</u>		<u>Increase or decrease (-)</u> <u>from baseline estimate</u>	
	<u>Date</u> <u>(note j)</u>	<u>Amount</u>	<u>Date</u> <u>(note k)</u>	<u>Amount</u>	<u>Date</u> <u>(note l)</u>	<u>Amount</u>	<u>Amount</u>	<u>Percent</u>
				(000 omitted)				
Mississippi River and Tributaries: (Cont'd) Old River Control, La.	1953	^d \$80,000	1960	^c \$80,000	7-73	\$79,000	\$-1,000	-1
Subtotal		1,246,290		1,246,290		4,211,347	2,965,057	
Multipurpose Projects Including Power:								
Big Bend-Lake Sharp, S. Dak.	1944	^d 137,000	1960	^c 137,000	7-73	107,350	-29,650	-22
Bonneville Lock and Dam, Oreg and Wash. (Modification for peaking) (app. III, p. 37)	1933	^m 11,900	1970	13,500	7-73	37,800	24,300	180
Bonneville Second Power- house, Oreg. and Wash.	1937	^h 108,100	1974	267,000	7-73	296,000	29,000	11
Carters Lake, Ga. (app. III, p. 37)	1945	^d 38,000	1962	38,000	7-73	106,000	68,000	179
Chief Joseph Dam, Rufus Woods Lake, Wash.	1946	^d 57,500	1973	167,000	7-73	211,000	44,000	26
Clarence Cannon Dam, Mo. (app. III, p. 37)	1962	^g 63,300	1962	63,300	7-73	^g 152,300	89,000	141
Cordell Hull Dam and Res., Tenn.	1946	19,900	1963	39,900	7-73	75,500	35,600	89

ESTIMATED COST DATA COMPARISON
FOR MAJOR CIVIL ACQUISITIONS

Agency and project	Original estimate		Baseline estimate		Current estimate		Increase or decrease (-) from baseline estimate	
	Date (note j)	Amount	Date (note k)	Amount	Date (note l)	Amount	Amount	Percent
				(000 omitted)				
Multipurpose Projects Including Power: (Cont'd)								
Cougar Lake, Oreg.	1950	^d \$42,900	1960	^c \$42,900	7-73	\$56,900	\$14,000	33
Dalles Lock and Dam, Wash. and Oreg.	1950	^d 53,173	1967	64,000	7-73	66,000	2,000	3
DeGray Lake, Ark. (app. III, p. 37)	1950	^f 32,500	1962	32,500	7-73	65,500	33,000	102
Dworshak Dam and Lake, Idaho.	1962	127,166	1963	186,000	7-73	302,000	116,000	62
Garrison Dam and Lake, Sakakawra, N. Dak.	1944	^d 294,000	1960	^c 294,000	7-73	293,900	-100	0
Harry S. Truman Dam and Res., Mo. (app. III, p. 37)	1954	^d 102,000	1965	146,200	7-73	332,000	185,800	127
Ice Harbor Lock and Dam, Lake Sacajawea, Wash.	1945	^d 20,000	1971	26,400	7-73	35,300	8,900	34
John Day Lock and Dam, Oreg. and Wash.	1950	^d 387,000	1960	^c 387,000	7-73	485,000	98,000	25
Jones Bluff Lock and Dam, Ala.	1945	^d 52,600	1966	52,600	7-73	73,900	21,300	40
Laurel River Lake, Ky.	1960	21,900	1965	22,700	7-73	40,400	17,700	78
Libby Dam and Lake Kootcanusa, Mont.	1950	^d 308,000	1966	349,000	7-73	466,000	117,000	34
Little Goose Additional Units, Wash.	1945	^d 20,000	1974	34,100	7-73	37,800	3,700	11

ESTIMATED COST DATA COMPARISON
FOR MAJOR CIVIL ACQUISITIONS

<u>Agency and project</u>	<u>Original estimate</u>		<u>Baseline estimate</u>		<u>Current estimate</u>		<u>Increase or decrease (-)</u>	
	<u>Date</u> (note j)	<u>Amount</u>	<u>Date</u> (note k)	<u>Amount</u>	<u>Date</u> (note l)	<u>Amount</u>	<u>Amount</u>	<u>Percent</u>
							(000 omitted)	
Multipurpose Projects Including Power: (Cont'd)								
Little Goose Lock and Dam, Wash.	1945	^d \$139,000	1963	\$144,000	7-73	\$165,800	\$21,800	15
Lost Creek Lake, Oreg.	1962	74,540	1967	83,100	7-73	127,000	43,900	53
Lower Granite Add. Units, Wash.	1945	^d 20,000	1974	34,100	7-73	37,800	3,700	11
Lower Granite Lock and Dam, Wash.	1945	^d 118,000	1965	174,000	7-73	298,000	124,000	71
Lower Monumental Lock and Dam, Wash.	1945	^d 138,000	1961	151,000	7-73	187,000	36,000	24
Lytle and Warm Creeks, Calif.	1965	9,750	1971	13,000	7-73	25,600	12,600	97
McNary Lock and Dam, Oreg. and Wash.	1945	^d 236,400	1960	^c 236,400	7-73	301,500	65,100	28
New Melones Lake, Calif. (app. III, p. 37)	1962	113,717	1966	122,000	7-73	257,000	135,000	111
Oahe Dam, Lake Oahe, S. Dak. and N. Dak.	1944	^d 380,000	1960	^c 380,000	7-73	345,200	-34,800	-9
Ozark Lock and Dam, Ark. (app. III, p.37)	1946	^d 36,300	1965	36,300	7-73	84,500	48,200	133
Pine Flat Lake and Kings River, Calif.	1944	19,700	1960	^c 41,200	7-73	41,600	400	1
Snettisham Power Project, Alaska (app. III, p.37)	1962	41,634	1967	41,500	7-73	85,600	44,100	106

ESTIMATED COST DATA COMPARISON
FOR MAJOR CIVIL ACQUISITIONS

Agency and project	Original estimate		Baseline estimate		Current estimate		Increase or decrease (-)	
	Date (note j)	Amount	Date (note k)	Amount	Date (note l)	Amount	Amount	Percent
(000 omitted)								
Multipurpose Projects								
Including Power: (Cont'd)								
Spewrell Bluff Lake, Ga.	1963	\$63,200	1971	\$91,800	7-73	\$148,000	\$56,200	61
Tocks Island Lake, Pa., N.J., and N.Y.	1962	90,400	1971	259,000	7-73	360,575	101,575	39
Webbers Falls Lock and Dam, Okla.	1946	^d 60,400	1965	63,200	7-73	83,300	20,100	32
West Point Lake, Ga. and Ala. (app. III, p. 37)	1962	52,900	1965	53,000	7-73	112,095	59,095	112
Wolf Creek Dam, Lake Cumberland, Ky.		<u>f</u> 64,000	1974	<u>64,000</u>	7-73	<u>64,000</u>	<u>-</u>	-
Subtotal		3,554,880		4,350,700		5,965,220	1,614,520	
Navigation:								
Cannelton Locks and Dam, Ind. and Ky.	1960	68,400	1962	71,700	7-73	98,900	27,200	38
Columbia and Lower Williamette River, Oreg. and Wash.	1962	20,100	1964	21,400	7-73	26,600	5,200	24
Corpus Christi Ship Channel, Tex.	1968	19,402	1972	20,400	7-73	26,600	6,200	30
Cross Florida Barge Canal, Fla.	1942	^d 165,000	1964	145,300	7-73	ⁱ 179,000	33,700	23

ESTIMATED COST DATA COMPARISON
FOR MAJOR CIVIL ACQUISITIONS

Agency and project	Original estimate		Baseline estimate		Current estimate		Increase or decrease (-) from baseline estimate	
	Date (note j)	Amount	Date (note k)	Amount	Date (note l)	Amount	Amount	Percent
(000 omitted)								
Navigation: (Cont'd)								
Delaware River - Philadelphia to Sea Anchorage, N.J.	1958	^d \$28,100	1963	\$28,100	7-73	\$37,300	\$9,200	33
Delaware River - Phila- delphia to Trenton, Pa. and N.J.	1954	100,290	1960	^c 80,420	7-73	76,508	-3,912	-5
Great Lakes Connecting Channels, Mich.	1946	10,982	1960	^c 146,500	7-73	145,000	-1,500	-1
Hampton Roads, Va.	1965	28,900	1966	32,700	7-73	33,000	300	1
Hannibal Locks and Dam, Ohio and W. Va.	1961	55,909	1966	66,700	7-73	86,000	19,300	29
Illinois Waterway - Calumet-Sag Modification: Pt. I, Ill. and Ind.	1945	21,390	1960	^c 92,500	7-73	91,100	-1,400	-2
Inland Waterway - Dela. River to Chesapeake Bay, Pt. II, Del. and Md.	1954	101,000	1962	98,840	7-73	109,730	10,890	11
Jacksonville Harbor, Fla. (app. III, p. 38)	1965	8,484	1968	8,800	7-73	34,500	25,700	292
Kaskaskia River, Ill.	1962	58,200	1966	66,200	7-73	112,000	45,800	69
McClellan-Kerr Ark. River Bank Stabilization	1946	^d 102,800	1960	^c 102,800	7-73	130,000	27,200	26
McClellan-Kerr Ark. River Locks and Dams	1946	^d 459,000	1963	449,000	7-73	497,200	48,200	11

ESTIMATED COST DATA COMPARISON
FOR MAJOR CIVIL ACQUISITIONS

Agency and project	<u>Original estimate</u>		<u>Baseline estimate</u>		<u>Current estimate</u>		<u>Increase or decrease (-)</u>	
	<u>Date</u> (note j)	<u>Amount</u>	<u>Date</u> (note k)	<u>Amount</u>	<u>Date</u> (note l)	<u>Amount</u>	<u>Amount</u>	<u>Percent</u>
Navigation: (Cont'd)								
Mississippi River Between Ohio-Missouri Rivers :								
Chain of Rocks, Ill.	1945	^d \$40,150	1960	^c \$40,150	7-73	\$57,700	\$17,550	44
Regulating Works, Ill. and Mo.	1910	^d 61,900	1960	^c 61,900	7-73	81,000	19,100	31
Mississippi River Gulf Outlet, La. (app. III, p. 38)	1956	^d 101,000	1961	^c 105,000	7-73	276,000	171,000	163
Missouri River Sioux City to Mouth	1912	^d 349,000	1960	^c 349,000	7-73	450,000	101,000	29
Newburgh Locks and Dam, Ind. and Ky.	1962	58,400	1965	62,000	7-73	94,700	32,700	53
New York Harbor - Anchor- age, N.Y.	1965	44,852	1968	45,000	7-73	34,900	-10,100	-22
Ouachita and Black Rivers, Ark. and La. (app. III, p. 38)	1960	43,550	1963	45,500	7-73	146,150	100,650	221
Red River Waterway (Miss. River to Shreveport, La., Ark. and Okla.)	1968	148,104	1973	442,000	7-73	473,000	31,000	7
San Francisco Bay to Stockton, Calif.	1965	46,853	1970	54,700	7-73	76,790	22,090	40
Smithland Locks and Dam, Ill. and Ky.	1965	90,000	1970	110,000	7-73	192,000	82,000	75
Uniontown Locks and Dam, Ind. and Ky.	1958	51,100	1965	61,700	7-73	95,700	34,000	55

(000 omitted)

ESTIMATED COST DATA COMPARISON
FOR MAJOR CIVIL ACQUISITIONS

Agency and project	Original estimate		Baseline estimate		Current estimate		Increase or decrease (-) from baseline estimate	
	Date (note j)	Amount	Date (note k)	Amount	Date (note 1)	Amount	Amount	Percent
	(000 omitted)							
Navigation: (Cont'd)								
Wallisville Lake, Tex. (app. III, p. 38)	1962	\$ 9,162	1966	\$ 9,920	7-72	\$28,800	\$18,880	190
Weymouth-Fore and Town Rivers, Ma. (app. III, p. 38)	1965	12,500	1968	12,500	7-73	25,000	12,500	100
Willow Island Locks and Dam, Ohio and W. Va.	1963	<u>66,400</u>	1965	<u>70,300</u>	7-73	<u>73,300</u>	<u>3,000</u>	4
Subtotal		2,370,928		2,901,030		3,788,478	887,448	
Total		<u>9,725,492</u>		<u>11,784,918</u>		<u>19,355,331</u>	<u>7,570,413</u>	
DEPARTMENT OF INTERIOR:								
Bonneville Power Administration:								
Chief Joseph Integrating Transmission Facility	2-67	31,300	2-67	31,300	1974	35,100	3,800	12
Grand Coulee-Raver Trans- mission Lines	2-72	55,000	2-72	55,000	1974	78,490	23,490	43
Lower Snake Transmission Facilities	2-67	<u>40,800</u>	2-67	<u>40,800</u>	1974	<u>38,740</u>	<u>-2,060</u>	-5
Subtotal		127,100		127,100		152,330	25,230	

ESTIMATED COST DATA COMPARISON
FOR MAJOR CIVIL ACQUISITIONS

Agency and project	Original estimate		Baseline estimate		Current estimate		Increase or decrease (-) from baseline estimate	
	Date	Amount	Date	Amount	Date	Amount	Amount	Percent
	(000 omitted)							
Bureau of Reclamation:								
Central Arizona Project:								
Irrigation	1968	\$716,980	1968	\$716,980	1974	\$1,078,000	\$361,020	50
Navajo Participation								
Agreement (power plant)	1968	115,200	1968	115,200	1974	197,000	81,800	71
Central Valley:								
Auburn-Folsom South								
Unit (water control),								
Calif.	1965	425,000	1965	425,000	1974	657,676	232,676	55
Sacramento River Div.								
(irrigation), Calif.	1950	^q 111,365	1950	111,365	1974	208,008	96,643	87
San Luis Unit (water								
control), Calif.	1960	490,280	1960	490,280	1974	689,613	199,333	41
Columbia Basin:								
Irrigation Facilities	1935	^q 925,103	1935	925,103	1974	1,583,163	658,060	71
Third Power Plant	1966	390,000	1966	390,000	1974	458,000	68,000	17
Fryingpan Arkansas Project								
Colorado (water control)								
(app. III, p. 39)	1962	170,000	1962	170,000	1974	460,632	290,632	171
Mountain Park Project								
(water control), Okla.	1968	19,978	1968	19,978	1974	26,965	6,987	35
Navajo Indian Irrigation								
Project (note p)	^r 1970	206,000	1970	206,000	1974	281,000	75,000	36
Pacific Northwest--Pacific								
Southwest Intertie								
(transmission lines),								
Ariz., Calif, and Nev.	1964	130,630	1964	130,630	1974	223,144	92,514	71

ESTIMATED COST DATA COMPARISON
FOR MAJOR CIVIL ACQUISITIONS

<u>Agency and project</u>	<u>Original estimate</u>		<u>Baseline estimate</u>		<u>Current estimate</u>		<u>Increase or decrease (-)</u>	
	<u>Date</u>	<u>Amount</u>	<u>Date</u>	<u>Amount</u>	<u>Date</u>	<u>Amount</u>	<u>Amount</u>	<u>Percent</u>
	(000 omitted)							
Bureau of Reclamation: (Cont'd)								
Palmetto Bend Project (water control construction), Tex.	1968	\$36,800	1968	\$36,800	1974	\$54,660	\$17,860	49
Pick-Sloan Missouri River Basin Program:								
Garrison Diversion Unit	1965	207,000	1965	207,000	1974	363,000	156,000	75
Oahe Unit (water control) S. Dak.	1968	191,670	1968	191,670	1974	315,000	123,330	64
Transmission Division (note n)	1972	384,403	1972	384,403	1974	384,403	-	-
Southern Nevada Water Project (drainage), Nev.	1965	81,003	1965	81,003	1974	99,300	18,297	23
Teton Basin, Lower Teton Division (water control), Idaho	1964	52,000	1964	52,000	1974	89,965	37,965	73
Tualatin Project (water control), Oreg.	1966	20,900	1966	20,900	1974	40,843	19,943	95
Upper Colorado River Storage Project:								
Central Utah Partici- pation Project, Utah (note o)	1972	420,346	1972	420,346	1974	449,566	29,220	7
Central Utah Project, Recreation, Fish & Wildlife for Bonne- ville (note o)	1972	19,981	1972	19,981	1974	28,079	8,098	41

ESTIMATED COST DATA COMPARISON
FOR MAJOR CIVIL ACQUISITIONS

<u>Agency and project</u>	<u>Original estimate</u>		<u>Baseline estimate</u>		<u>Current estimate</u>		<u>Increase or decrease (-)</u>	
	<u>Date</u>	<u>Amount</u>	<u>Date</u>	<u>Amount</u>	<u>Date</u>	<u>Amount</u>	<u>from baseline estimate</u>	<u>Amount</u> <u>Percent</u>
(000 omitted)								
Bureau of Reclamation: (Cont'd)								
Curecanti Unit, Colo. (note o)	r1972	\$129,356	1972	\$129,356	1974	\$129,501	\$ 145	-
San Juan-Chama Partici- pating Project	1962	85,828	1962	85,828	1974	93,271	7,443	9
Transmission Division (note o)	r1972	219,553	1972	219,553	1974	220,292	739	-
Washoe Project (drainage), Calif. and Nev.	1956	<u>50,452</u>	1956	<u>50,452</u>	1974	<u>67,363</u>	<u>16,911</u>	34
Subtotal		5,599,828		5,599,828		8,198,444	2,598,616	
Total		<u>5,726,928</u>		<u>5,726,928</u>		<u>8,350,774</u>	<u>2,623,846</u>	
DEPARTMENT OF TRANSPORTATION:								
Federal Aviation Administration:								
Long Range Radars	4-74	76,050	4-74	76,050	1974	76,050	-	-
Building Expansion	4-71	34,000	4-71	34,000	1974	34,000	-	-
ARTS III (Automated Radar Terminal Systems)	6-67	33,000	6-67	33,000	1974	64,500	31,500	95
Aircraft and Related Equipment	2-72	57,450	2-72	57,450	1974	57,482	32	-
National Airspace Systems Stage A (app. III, p.39)	10-65	<u>212,000</u>	10-65	<u>212,000</u>	1974	<u>618,600</u>	<u>406,600</u>	192
Subtotal		412,500		412,500		850,632	438,132	

ESTIMATED COST DATA COMPARISON
FOR MAJOR CIVIL ACQUISITIONS

Agency and project	Original estimate		Baseline estimate		Current estimate		Increase or decrease (-) from baseline estimate	
	Date	Amount	Date	Amount	Date	Amount	Amount	Percent
	(000 omitted)							
Federal Highway Administration:								
Darien Gap Highway	^s 1970	\$150,000	1970	\$150,000	12-73	\$150,000	\$ -	-
Interstate Highway System (app. III, p. 39) (note u)	1958	<u>37,600,000</u>	1958	<u>37,600,000</u>	^t 1972	<u>76,300,000</u>	<u>38,700,000</u>	103
Subtotal		37,750,000		37,750,000		76,450,000	38,700,000	
Urban Mass Transportation Administration:								
Development of New Transit Bus	4-72	22,180	4-72	22,180	7-74	27,900	5,720	26
Dual Mode Transit System	4-72	23,500	4-72	23,500	7-74	25,000	1,500	6
Morgantown Personal Rapid Transit System (app. III, p. 39)	5-71	28,300	5-71	28,300	3-73	64,300	36,000	127
Urban Rapid Rail Vehicles and Systems Program (app. III, p. 39)	4-72	<u>11,029</u>	4-72	<u>11,029</u>	7-74	<u>26,329</u>	<u>15,300</u>	139
Subtotal		85,009		85,009		143,529	58,520	
U.S. Coast Guard:								
Polar Sea	9-73	66,000	9-73	66,000	12-73	66,000	-	-
Polar Star	6-71	<u>59,000</u>	6-71	<u>59,000</u>	12-73	<u>59,000</u>	-	-
Subtotal		125,000		125,000		125,000		
Total		<u>38,372,509</u>		<u>38,372,509</u>		<u>77,569,161</u>	<u>39,196,652</u>	

ESTIMATED COST DATA COMPARISON
FOR MAJOR CIVIL ACQUISITIONS

Agency and project	Original estimate		Baseline estimate		Current estimate		Increase or decrease (-) from baseline estimate	
	Date	Amount	Date	Amount	Date	Amount	Amount	Percent
(000 omitted)								
DEPARTMENT OF THE TREASURY:								
Denver Mint	1973	<u>\$50,000</u>	1973	<u>\$50,000</u>	1974	<u>v\$55,300</u>	<u>\$5,300</u>	11
DISTRICT OF COLUMBIA GOVERNMENT:								
Correctional Detention Center	FY 70	30,500	FY 70	30,500	FY 70	30,500	-	-
New Courthouse Building	FY 69	45,400	FY 69	45,400	FY 69	45,400	-	-
Local Flooding Relief and Storm Drainage:								
a) Capitol Hill Relief	FY 69	25,100	FY 69	25,100	FY 69	25,100	-	-
b) N.E. Boundary Relief Sewer	FY 69	37,100	FY 69	37,100	FY 69	37,100	-	-
Washington Technical Insti- tute	FY 68	111,000	FY 68	111,000	FY 68	111,000	-	-
Federal City College	FY 74	128,900	FY 74	128,900	FY 74	128,900	-	-
Lorton Renovation Program	FY 72	<u>65,200</u>	FY 72	<u>65,200</u>	FY 72	<u>65,200</u>	-	-
Total		<u>443,200</u>		<u>443,200</u>		<u>443,200</u>	-	
GENERAL SERVICES ADMINISTRATION:								
Beltsville Consolidated Federal Law Enforcement Training Center (app. III, p. 40)	1-69	18,073	1-69	18,073	w	74,395	56,322	312
Cincinnati Environmental Control Administration Laboratory	1969	27,837	1969	27,837	12-73	25,284	-2,553	-9
Howard University Teaching Hospital	1970	23,430	1970	23,430	5-71	43,000	19,570	84
J. Edgar Hoover FBI Building (app. III, p. 40)	3-62	60,000	3-62	60,000	12-73	126,108	66,108	110

ESTIMATED COST DATA COMPARISON
FOR MAJOR CIVIL ACQUISITIONS

<u>Agency and project</u>	<u>Original estimate</u>		<u>Baseline estimate</u>		<u>Current estimate</u>		<u>Increase or decrease (-) from baseline estimate</u>	
	<u>Date</u>	<u>Amount</u> (note x)	<u>Date</u>	<u>Amount</u> (note y) (000 omitted)	<u>Date</u>	<u>Amount</u>	<u>Amount</u>	<u>Percent</u>
GENERAL SERVICES ADMINISTRATION: (cont'd)								
Philadelphia Federal Office Building (app. III, p. 40)	6-71	\$42,680	6-71	\$42,680	12-73	\$87,479	\$44,799	105
Smithsonian Institution National Air and Space Museum	1962	<u>39,500</u>	1962	<u>39,500</u>	12-73	<u>41,900</u>	<u>2,400</u>	6
Total		<u>211,520</u>		<u>211,520</u>		<u>398,166</u>	<u>186,646</u>	
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION:								
Apollo								
Soyuz Test Project	3-72	^z 250,000	6-72	^z 250,000	2-74	^z 250,000	-	-
Applications Technology Satellite (ATS-F)	4-67	^{aa,bb} 98,700	1-71	^{aa} 230,000	2-74	205,600	-24,400	-11
Atmosphere Explorer (C thru E)	12-69	^{bb} 50,400	9-71	59,400	5-74	69,600	10,200	17
Earth Resources Technology Satellite 1 and B	12-69	^{bb} 87,100	11-70	154,400	2-74	196,600	42,200	27
High Energy Astronomy Observatory	2-74	232,800	2-74	232,800	2-74	232,800	-	-
International Sun-Earth Explorers	2-74	50,700	2-74	50,700	2-74	50,700	-	-
International Ultra-violet Explorer	9-71	^{bb} 34,200	9-71	34,200	2-74	35,000	800	2
Mariner Jupiter/Saturn 1977	7-72	^{bb} 377,900	5-74	371,200	5-74	371,200	-	-
Mariner Venus/Mercury 1973	2-69	^{bb} 96,800	12-69	112,000	9-73	118,500	6,500	6
Nimbus 5 and F	4-67	^{bb} 91,800	4-70	95,200	2-74	115,600	20,400	21
Nimbus G	2-73	81,800	2-73	81,800	2-74	82,500	700	1

ESTIMATED COST DATA COMPARISON
FOR MAJOR CIVIL ACQUISITIONS

<u>Agency and project</u>	<u>Original estimate</u>		<u>Baseline estimate</u>		<u>Current estimate</u>		<u>Increase or decrease (-) from baseline estimate</u>	
	<u>Date</u>	<u>Amount</u> <u>(note x)</u>	<u>Date</u>	<u>Amount</u> <u>(note y)</u>	<u>Date</u>	<u>Amount</u>	<u>Amount</u>	<u>Percent</u>
(000 omitted)								
NATIONAL AERONAUTICS AND SPACE								
ADMINISTRATION: (Cont'd)								
Ocean Dynamics Satellite (SEASAT-A)	2-74	dd\$60,600	2-74	cc\$60,600	2-74	dd\$60,600	\$ -	-
Orbiting Solar Observa- tory I	5-71	bb47,400	5-72	50,000	2-74	62,800	12,800	26
Pioneer 10/11	2-69	bb92,200	11-70	129,900	2-74	131,000	1,100	1
Pioneer Venus	2-74	207,100	2-74	207,100	2-74	207,100	-	-
Quiet, Clean, Short Haul Experimental Engine	3-72	59,900	6-73	33,800	2-74	33,900	100	-
Radio Astronomy Explorer	8-69	25,700	8-72	27,600	3-74	28,300	700	3
Refran (JT8D Engines)	3-72	55,000	4-73	44,000	2-74	44,000	-	-
Small Astronomy Satellite	4-70	bb42,400	8-71	45,900	3-74	51,000	5,100	11
Synchronous Meteorological Satellite 1 and B	2-69	bb23,600	5-71	37,200	2-74	65,800	28,600	77
Space Transportation System (Space Shuttle -RDT and E only)	3-72	5,150,000	3-72	5,150,000	12-73	6,680,600	1,530,600	30
Tiros-N	1-72	56,700	1-72	56,700	2-74	53,400	-3,300	-6
Viking '75	2-69	bb461,200	10-69	753,000	4-74	997,900	244,900	33
Total		<u>7,734,000</u>		<u>8,267,500</u>		<u>10,144,500</u>	<u>1,877,000</u>	

ESTIMATED COST DATA COMPARISON
FOR MAJOR CIVIL ACQUISITIONS

<u>Agency and project</u>	<u>Original estimate</u>		<u>Baseline estimate</u>		<u>Current estimate</u>		<u>Increase or decrease (-) from baseline estimate</u>	
	<u>Date</u>	<u>Amount</u>	<u>Date</u>	<u>Amount</u>	<u>Date</u>	<u>Amount</u>	<u>Amount</u>	<u>Percent</u>
(000 omitted)								
NATIONAL RAILROAD PASSENGER CORPORATION:								
Bi-Level Coaches	11-73	\$90,000	11-73	\$90,000	3-74	\$168,000	\$78,000	87
Low-Level Coaches	3-74	160,000	3-74	160,000	3-74	160,000	-	-
Metro-type Cars (note ee)	11-73	23,800	11-73	23,800	3-74	23,800	-	-
Turbine Cars (app. III, p. 40)	11-73	35,000	11-73	35,000	3-74	70,000	35,000	100
Diesel Locomotives	11-73	68,300	11-73	68,300	3-74	79,300	11,000	16
Electric Locomotives (note ee)	11-73	<u>8,200</u>	11-73	<u>8,200</u>	3-74	<u>8,200</u>	-	-
Total		<u>385,300</u>		<u>385,300</u>		<u>509,300</u>	<u>124,000</u>	
POSTAL SERVICE:								
National Bulk Mail System	3-71	<u>950,000</u>	3-71	<u>950,000</u>	6-74	<u>950,000</u>	-	-
TENNESSEE VALLEY AUTHORITY:								
Bear Creek Water Control System	1-65	24,000	1-65	24,000	9-73	^{ff} 42,000	18,000	75
Bellefonte Nuclear Plant Units 1 and 2	1-71	650,000	1-71	650,000	9-72	725,000	75,000	12
Brown's Ferry Nuclear Plant Units 1 - 3	1-68	392,000	1-68	392,000	9-73	750,000	358,000	91
Cumberland Steam Plant Units 1 and 2	1-68	325,000	1-68	325,000	9-73	410,000	85,000	26

ESTIMATED COST DATA COMPARISON
FOR MAJOR CIVIL ACQUISITIONS

<u>Agency and project</u>	<u>Original estimate</u>		<u>Baseline estimate</u>		<u>Current estimate</u>		<u>Increase or decrease (-)</u> <u>from baseline estimate</u>	
	<u>Date</u>	<u>Amount</u>	<u>Date</u>	<u>Amount</u>	<u>Date</u>	<u>Amount</u>	<u>Amount</u>	<u>Percent</u>
TENNESSEE VALLEY AUTHORITY: (Cont'd)								
Duck River Project:								
Columbia Dam and Reservoir	6-69	\$50,000	6-69	\$50,000	9-69	\$53,500	\$ 3,500	7
Normandy Dam and Reservoir	6-69	23,500	6-69	23,500	9-73	35,000	11,500	49
Hartsville Nuclear Plant								
Units 1-4	1-73	1,575,000	1-73	1,575,000	1-73	1,575,000	-	-
Modernization and Installation of Electrostatic Precipitators and Stacks (note gg)								
	various	220,800	various	220,800	various	260,400	39,600	18
Raccoon Mt. Storage Project								
Units 1-4	1-70	155,000	1-70	155,000	9-72	192,000	37,000	24
Sequoyah Nuclear Plant								
SO ₂ Scrubbers-Widows Creek	1-69	336,000	1-69	336,000	1-74	650,000	314,000	93
Unit-8	1-72	36,000	1-72	36,000	hh	42,000	6,000	17
Tellico Dam and Reservoir								
Watts Bar Nuclear Plant	1-65	42,500	1-65	42,500	1-70	69,000	26,500	60
Units 1 and 2	1-70	<u>500,000</u>	1-70	<u>500,000</u>	9-73	<u>700,000</u>	<u>200,000</u>	40
Total		<u>4,329,800</u>		<u>4,329,800</u>		<u>5,503,900</u>	<u>1,174,100</u>	
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY:								
Subway System	2-69	<u>2,494,600</u>	2-69	<u>2,494,600</u>	11-74	<u>4,500,000</u>	<u>2,005,400</u>	80
GRAND TOTAL		<u>\$73,186,549</u>		<u>\$75,779,475</u>		<u>\$132,571,432</u>	<u>\$56,791,957</u>	

APPENDIX II

- ^aCurrent program estimate is \$933 million; however, this includes supporting costs. Details of supporting costs for original estimates were not available.
- ^bUtility companies and reactor manufacturers will contribute about \$277 million to make total project estimates of \$699 million. An indicated later estimate is \$1.7 billion.
- ^cInitial detailed estimate was made before fiscal year 1960; therefore, fiscal year 1960 estimate is used.
- ^dFiscal year 1960 estimate; initial date (fiscal year) of authorization is given.
- ^eAuthorization and initial detailed estimates were made before fiscal year 1960; fiscal year 1961 estimates were earliest ones available.
- ^fBaseline estimate used since authorization amount not furnished.
- ^gCost breakdown on this project was made between the original estimate and the current estimate instead of a later baseline.
- ^hCongressional authorization was for 1965, but actual pre-1960 authorization date is used.
- ⁱSuspended by the President in fiscal year 1971; environmental studies underway.
- ^jYear of authorization; in most cases estimate was made by the Corps 1 or 2 years before authorization.
- ^kFiscal year of baseline; in most cases estimate was made by the Corps in previous July.
- ^lFiscal year 1975 estimate in most cases. However, the Corps of Engineers furnished us higher current estimates than shown in fiscal year 1975 hearings for about 10 projects.
- ^mJuly 1965 estimate.
- ⁿRepresents a portion of the total estimated cost authorized under Public Law 92-371.
- ^oRepresents a portion of the total estimated cost authorized under Public Law 92-370.
- ^pBureau of Indian Affairs project.
- ^qEstimate originated before 1960; the estimate shown is for 1960.
- ^rEstimates reflect most recent reauthorized amounts.

APPENDIX II

^sTotal cost estimate of \$150 million is unchanged in FY 75 House Appropriations hearings. Federal Aid Highway Act of 1970 set \$100 million or two-thirds of the total cost as the maximum Federal share.

^tNext estimate will be prepared in 1975.

^uFederal share is 90 percent, or \$33.9 billion and \$68.26 billion, respectively.

^vFY 1975 appropriation hearings.

^wProspectus pending at 10-74.

^xNational Aeronautics and Space Administration's planning estimate.

^yDevelopment estimate or planning estimate in absence of a development estimate on National Aeronautics and Space Administration projects.

^zLaunch vehicle not included.

^{aa}Includes both ATS-F&G satellites. ATS-G canceled in Jan. 1973.

^{bb}Adjusted to real-year dollars.

^{cc}Development estimate to be available in FY 76 congressional budget.

^{dd}Figure is the high end of \$40,600 to \$60,600 estimate.

^{ee}Although below \$25 million, these items are included since they are a part of National Railroad Passenger Corporation's Capital Acquisition Program.

^{ff}Per 1975 appropriation hearings, Apr. 1974, House Public Works Subcommittee.

^{gg}Under construction and planned for FY 1974 and beyond at various locations.

^{hh}Not furnished by the Tennessee Valley Authority.

ⁱⁱFederal share remains at \$1,147 million, the original estimate.

ANALYSIS OF ACQUISITIONS HAVING
100 PERCENT OR GREATER COST GROWTH

Agency and project	Original estimate		Baseline estimate		Cost change due to						Current estimate		
	Date	Amount (000 omitted)	Date	Amount	Quantity	Engineering	Support	Schedule (000 omitted)	Economic	Estimating	Sundry	Date	Amount (000 omitted)
APPALACHIAN REGIONAL COMMISSION: Appalachian Development Highway	1965	\$840,000	1965	\$840,000	\$462,000	\$247,000	\$-	\$-	\$500,000	\$-	\$ 41,000	1971	\$2,090,000
ATOMIC ENERGY COMMISSION: Fast Flux Test Facility	9-66	87,500	9-66	87,500	-	78,200	-	23,700	20,700	182,100	27,800	12-73	420,000
New Weapons Production Capabilities, Various Locations	12-66	32,300	12-66	32,300	148,200	40,200	39,500	-	4,500	41,400	4,000	8-74	310,000
Total		119,800		119,800	148,200	118,400	39,500	23,700	25,200	223,500	31,800		730,100

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APPENDIX III

ANALYSIS OF ACQUISITIONS HAVING
100 PERCENT OR GREATER COST GROWTH

Agency and project	Original estimate		Baseline estimate		Cost change due to							Current estimate	
	Date (note f)	Amount (000 omitted)	Date (note g)	Amount	Quan- tity	Engi- neering	Support	Schedule (000 omitted)	Economic	Estimating	Sundry	Date (note h)	Amount (000 omitted)
DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS:													
Flood Control:													
b. Everett Jordan Dam and Lake, N.C.	1963	^e \$ 25,462	1963	\$25,462	\$ -	\$ 7,048	\$ -	\$ 57	\$15,511	\$25,416	\$1,106	7-74	^e \$ 74,600
Beach Fork Lake, W. Va.	1962	11,000	1967	12,800	3,340	1,025	-	3,700	7,381	254	100	7-73	28,600
Big Darby Lake, Ohio	1938	5,214	1965	27,200	305	7,290	-	-	40,348	2,770	187	7-73	78,100
Caesar Creek Lake, Ohio	1938	3,595	1967	15,900	9,986	5,614	-	-	9,700	-	1,200	7-73	42,400
Carr Fork Lake, Ky.	1962	9,020	1965	11,200	18	18,297	-	-	9,185	-	-	7-73	38,700
Cooper Lake and Channels, Tex.	1955	^c 15,200	1961	^c 15,200	6,366	5,001	-	10,897	4,670	6,449	2,017	7-73	50,600
Dry Creek Lake, Calif.	1962	42,400	1967	51,000	421	22,942	-	1,806	30,982	1,115	4,734	7-73	113,000
East Lynn Lake, W. Va.	1937	^d 14,300	1965	14,300	5,485	4,455	-	770	4,479	1,196	315	7-73	31,000
Fire Island Inlet to Montauk Pt. N.Y.	1960	19,700	1963	19,700	1,080	-	-	-	17,087	16,133	-	7-73	54,000
Gathright Lake, Va.	1946	^b 13,000	1967	16,300	-	20,000	-	1,000	10,200	500	1,800	7-73	49,800
Lake Ponchartrain and Vicinity, La.	1965	56,235	1967	65,784	17,882	33,891	-	15,760	63,021	5,130	1,532	7-73	203,000
Lake Shelbyville, Ill.	1958	^c 18,500	1961	^c 18,500	10,142	7,466	-	-	7,650	187	55	7-73	44,000
Lavon Lake Modifi- cations and East Fork Channel Im- provements, Tex.	1962	23,760	1967	27,300	1,350	19,566	-	-4,962	17,927	-1,681	-	7-73	59,500
Missouri River Levee System	1928	^d 60,600	1962	60,600	16	21,390	-	-	53,950	2,107	9,737	7-73	147,800
New Orleans to Venice Hurricane Protection, La.	1962	7,502	1964	7,580	26,648	12,594	-	975	18,542	8,321	240	7-73	74,900

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ANALYSIS OF ACQUISITIONS HAVING
100 PERCENT OR GREATER COST GROWTH

Agency and project	Original estimate		Baseline estimate		Cost change due to						Current estimate		
	Date (note f)	Amount (000 omitted)	Date (note g)	Amount	Quan- tity	Engi- neering	Support	Schedule (000 omitted)	Economic	Estimating	Sundry	Date (note h)	Amount (000 omitted)
Flood Control: (cont'd)													
Papillion Creek, Neb.	1968	\$26,800	1972	\$38,000	\$ 100	\$19,585	\$ -	\$ -	\$17,175	\$ 3,000	\$ 640	7-73	\$78,500
Red River Lake, Ky.	1962	8,020	1967	10,700	1,193	1,813	-	-	9,886	-	4,008	7-73	27,600
Red River Levees and Bank Stabilization	1946	^c 10,000	1961	^c 10,000	-	18,300	-	236	4,492	960	12	7-73	34,000
River Rouge, Mich.	1962	8,659	1963	9,620	-	4,000	-	-	6,580	5,900	-	7-73	26,100
Sacramento River Bank Protec- tion, Calif.	1960	14,240	1963	15,100	32,375	2,705	-	-	9,830	3,900	290	7-73	64,200
Saginaw River, Mich.	1958	^d 16,200	1963	16,200	4,866	-	-	-	17,500	6,900	300	7-73	45,766
San Antonio Channel Improvement, Tex.	1954	^b 15,870	1960	^a 15,870	-	4,705	-	-	10,365	1,694	2,466	7-73	35,100
Texas City & Vicinity, Tex.	1958	^b 6,240	1962	6,670	14,172	53	-	-	11,231	13,174	-	7-73	45,300
Tombigbee River and Tributaries, Miss. and Ala.	1958	^e 19,311	1958	19,311	-	10,866	-	-	24,251	- 1,188	60	7-74	^e 53,300
Subtotal		450,828		534,297	135,745	248,606	-	30,239	421,943	102,237	30,799		1,499,866

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APPENDIX III

ANALYSIS OF ACQUISITIONS HAVING
100 PERCENT OR GREATER COST GROWTH

Agency and Project	Original estimate		Baseline estimate		Quantity	Engi- neering	Support	Cost change due to				Current estimate	
	Date (note f)	Amount (000 omitted)	Date (note g)	Amount				Schedule (000 omitted)	Economic	Estimating	Sundry	Date (note h)	Amount (000 omitted)
Mississippi River and Tributaries.													
Atchafalaya													
Basin, La.	1927	^c \$120,000	1961	^c \$120,000	\$174,910	\$228,425	\$ -	\$28,531	\$85,592	\$12,748	\$10,794	7-73	\$661,000
Lower Red River													
South Bank	1927	^b 8,990	1960	^a 8,990	8,124	-	-	2,030	6,098	1,158	-	7-73	26,400
Mississippi River													
Chache Basin	1949	^b \$25,000	1960	25,000	137	9,068	-	4,394	13,592	9,562	6,947	7-73	^e 68,700
Mississippi River													
Channel Improve- ments	1927	^b 468,000	1960	^a 468,000	358,065	30,085	-	143,049	163,098	664,625	4,078	7-73	1,831,000
Mississippi River													
Levees	1927	^b 221,000	1960	^d 221,000	32,172	369,054	-	18,281	45,083	2,320	90	7-73	688,000
Mississippi River													
Tensas Basin, La.	1940	^c 31,700	1961	^c 31,700	57,120	23,785	-	8,800	47,072	17,173	850	7-73	186,500
Mississippi River													
Yazoo Basin	1935	^c 195,000	1961	^c 195,000	16,882	102,595	-	14,500	71,812	6,411	1,800	7-73	409,000
Mississippi River													
West Tennessee Tributaries	1947	^b 8,400	1960	^a 8,400	12	4,272	-	-	6,988	7,096	1,979	7-73	28,747
Mississippi River													
St. Francis Basin	1935	<u>^c88,200</u>	1961	<u>^c88,200</u>	<u>52,898</u>	<u>5,897</u>	<u>-</u>	<u>13,111</u>	<u>39,334</u>	<u>33,530</u>	<u>30</u>	7-73	<u>233,000</u>
Subtotal		1,166,290		1,166,290	700,320	773,181	-	232,696	478,669	754,623	26,568		4,132,347

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ANALYSIS OF ACQUISITIONS HAVING
100 PERCENT OR GREATER COST GROWTH

Agency and project	Original estimate		Baseline estimate		Cost change due to							Current estimate	
	Date	Amount	Date	Amount	Quantity	Engi- neering	Support	Schedule	Economic	Estimating	Sundry	Date	Amount
	(note f)	(000 omitted)	(note g)					(000 omitted)				(note h)	(000 omitted)
Multipurpose Projects													
Including Power:													
Bonneville Lock and Dam, Oreg. & Wash. (Modification for peaking)													
	1933	ⁱ \$11,900	1970	\$13,500	\$ 6,100	\$ 9,800	\$ -	\$ -	\$ 6,800	\$ 1,400	\$ 200	7-73	\$ 37,800
Carters Lake, Ga.	1945	^b 38,000	1962	38,000	48,079	17,216	-	1,583	15,651	-15,036	507	7-73	106,000
Clarence Cannon Dam, Mo.	1962	^e 63,300	1962	63,300	1,150	23,301	-	28,380	27,259	8,610	300	7-73	^e 152,300
DeGray Lake, Ark.	1950	^d 32,500	1962	32,500	17,260	2,030	-	2,661	9,584	1,439	26	7-73	65,500
Harry S. Trumar Dam and Reservoir, Mo.	1954	^b 102,000	1965	146,200	-	35,000	-	63,000	69,000	18,000	800	7-73	332,000
New Melones Lake, Calif.	1962	113,717	1966	122,000	100	19,490	-	1,770	60,115	48,865	4,660	7-73	257,000
Ozark Lock and Dam, Ark.	1946	^b 36,300	1965	36,300	26,887	12,451	-	962	7,225	675	-	7-73	84,500
Snettisham Power Proj., Alaska	1962	41,634	1967	41,500	-	2,960	-	6,540	22,200	10,000	2,400	7-73	85,600
West Point Lake, Ga. and Ala.	1962	<u>52,900</u>	1965	<u>53,000</u>	<u>10,982</u>	<u>3,250</u>	-	<u>10,183</u>	<u>13,820</u>	<u>20,580</u>	<u>280</u>	7-73	<u>112,095</u>
Subtotal		492,251		546,300	110,558	125,498	-	115,079	231,654	94,533	9,173		1,232,795

ANALYSIS OF ACQUISITIONS HAVING
100 PERCENT OR GREATER COST GROWTH

Agency and project	Original estimate		Baseline estimate		Cost change due to							Current estimate	
	Date (note f)	Amount (000 omitted)	Date (note g)	Amount	Quan- tity	Engi- neering	Support	Schedule (000 omitted)	Economic	Estimating	Sundry	Date (note h)	Amount (000 omitted)
Navigation:													
Jacksonville Harbor, Fla.	1965	\$ 8,484	1968	\$ 8,800	\$ 900	\$ -	\$ -	\$ -	\$ 2,600	\$ 11,000	\$11,200	7-73	\$ 34,500
Mississippi River Gulf Outlet, La.	1956	^b 101,000	1961	^c 105,000	83,455	7,911	-	7,390	67,665	4,371	208	7-73	276,000
Ouachita and Black Rivers, Ark. and La.	1960	43,550	1963	45,500	47,770	2,783	-	2,680	43,763	3,551	103	7-73	146,150
Wallisville Lake, Tex.	1962	9,162	1966	9,920	-	3,276	-	-	6,701	8,546	357	7-72	28,800
Weymouth-Fore and Town Rivers, Mass.	1965	<u>12,500</u>	1968	<u>12,500</u>	-	<u>150</u>	-	-	<u>5,610</u>	<u>6,740</u>	-	7-73	<u>25,000</u>
Subtotal		174,696		181,720	132,125	14,120	-	10,070	126,339	34,208	11,868		510,450
Total		<u>2,284,065</u>		<u>2,424,607</u>	<u>1,078,748</u>	<u>1,161,405</u>	-	<u>388,084</u>	<u>1,258,605</u>	<u>985,601</u>	<u>78,408</u>		<u>7,375,456</u>

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ANALYSIS OF ACQUISITIONS HAVING
100 PERCENT OR GREATER COST GROWTH

Agency and project	Original estimate		Baseline estimate		Cost change due to						Current estimate		
	Date	Amount (000 omitted)	Date	Amount	Quan- tity	Engi- neering	Support	Schedule	Economic	Estimating	Sundry	Date	Amount (000 omitted)
DEPARTMENT OF INTERIOR:													
Bureau of Reclamation:													
Fryingpan Arkansas Project, Colo.	1962	\$170,000	1962	\$170,000	\$14,427	\$66,517	\$ -	\$ -	\$143,517	\$ -	\$66,171	1974	\$460,632
DEPARTMENT OF TRANSPORTATION													
Federal Aviation Administration:													
National Airspace Systems Stage A	10-65	212,000	10-65	212,000	350,700	-	-	-6,800	-	34,100	^k 28,600	1974	618,600
Federal Highway Administration:													
Interstate Highway System	1958	^l 37,600,000	1958	37,600,000	5,547,000	17,463,000	-	-	ⁿ	9,230,000	ⁿ 6,460,000	1972	^l 76,300,000
Urban Mass Transportation Administration:													
Morgantown Personal Rapid Transit System	5-71	28,300	5-71	28,300	20,500	-	-	800	8,800	5,900	-	3-73	64,300
Urban Rapid Rail Vehicles and Systems Program	4-72	<u>11,029</u>	4-72	<u>11,029</u>	<u>6,400</u>	^m 500	-	-	-	<u>7,900</u>	<u>500</u>	7-74	<u>26,329</u>
Subtotal		39,329		39,329	26,900	500	-	800	8,800	13,800	500		90,629
Total		<u>37,851,329</u>		<u>37,851,329</u>	<u>5,924,600</u>	<u>17,463,500</u>	<u>-</u>	<u>-6,000</u>	<u>8,800</u>	<u>9,277,900</u>	<u>6,489,100</u>		<u>77,009,229</u>

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ANALYSIS OF ACQUISITIONS HAVING
100 PERCENT OR GREATER COST GROWTH

Agency and project	Original estimate		Baseline estimate		Cost change due to						Current estimate		
	Date	Amount (000 omitted)	Date	Amount	Quantity	Engineering	Support	Schedule (000 omitted)	Economic	Estimating	Sundry	Date	Amount (000 omitted)
GENERAL SERVICES													
ADMINISTRATION:													
Beltsville Consolidated Federal Law Enforcement Training Center	1-69	°\$18,073	1-69	\$18,073	\$8,279	\$20,879	\$ -	\$ -	\$21,449	\$ -	\$5,715	p	\$74,395
J. Edgar Hoover FBI Building	3-62	° 60,000	3-62	60,000	-	32,744	-	-	31,289	-	2,075	12-73	126,108
Philadelphia Federal Office Building	6-71	P 42,680	6-71	42,680	1,150	8,359	-	-	35,290	-	-	12-73	87,479
Total		120,753		120,753	9,429	61,982	-	-	88,028	-	7,790		287,982
NATIONAL RAILROAD PASSENGER CORP:													
Turbine Cars	11-73	35,000	11-73	35,000	35,000	-	-	-	-	-	-	3-74	70,000
GRAND TOTAL		\$41,420,947		\$41,561,489	\$7,672,404	\$19,118,804	\$39,500	\$405,784	\$2,024,150	\$10,487,001	\$6,714,269		\$88,023,401

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- ^aInitial detailed estimate was made before fiscal year 1960; therefore, 1960 estimate is used.
- ^bFiscal year 1960 estimate; initial date (fiscal year) of authorization is given.
- ^cAuthorization and initial detailed estimates were made before fiscal year 1960; fiscal year 1961 estimates were earliest ones available.
- ^dBaseline estimate used since authorization amount not furnished.
- ^eCost breakdown on this project was made between the original estimate and the current estimate instead of a later baseline.
- ^fYear of authorization; in most cases estimate was made 1 or 2 years before authorization.
- ^gFiscal year of baseline; in most cases the estimate was made in previous July.
- ^hFiscal year 1975 estimate.
- ⁱJuly 1965 estimate.
- ^jIncludes: \$64,522,000 for costs of constructing recreation and fish and wildlife facilities and conserving scenery on project lands and \$1,649,000 for costs of relocating roads to current standards not included in the \$170 million cost estimate.
- ^kIncludes \$32.7 million of cost increases not specifically defined by Federal Aviation Administration, and \$4.1 million in decreases designated as program adjustments.
- ^lFederal share is \$33.9 billion and \$68.26 billion, respectively.
- ^mUrban Mass Transportation Administration considered "support" changes in this figure.
- ⁿEconomic factor not separately broken out, included in sundry.
- ^oInitial Prospectus Authorization.
- ^pProspectus pending at October 1974.

APPENDIX IV

LIST OF MAJOR CIVIL ACQUISITIONS
SELECTED FOR GAO STUDIES

<u>Agency and Fiscal Year</u>	<u>System</u>
Atomic Energy Commission:	
1975	Fast Flux Test Facility
Corps of Engineers:	
1975	Harry S. Truman Dam and Reservoir
Department of Transportation:	
1973	Automated Radar Terminal System (ARTS III)
1974	Icebreakers
1975	Locomotives and Cars for the National Railroad Passenger Corporation (AMTRAK)
1975	Personal Rapid Transit System, Morgantown, W. Va.
1975	Icebreakers
National Aeronautics and Space Administration:	
1973	Applications Technology Satellite (ATS)
1973	Viking
1974	Space Shuttle
1975	Viking
1975	Space Shuttle
Tennessee Valley Authority:	
1975	Sequoyah Nuclear Power Plant

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