

Table F-6. FEDERAL ACTIVITIES IN PUBLIC WORKS (in millions of dollars)
By major function and agency

Function, organization unit, and program	NEW AUTHORIZATIONS			EXPENDITURES		
	1961 enacted	1962 estimate	1963 estimate	1961 actual	1962 estimate	1963 estimate
CIVIL PUBLIC WORKS						
International Affairs and Finance						
Department of State:						
State Department and Foreign Service buildings.....	2.2	2.6	10.5	10.7	6.3	10.3
Cultural and Technical Interchange Center, Hawaii (grant).....	8.2		1.5	.8	5.8	3.0
United States Information Agency: Radio facilities.....	8.7	8.4	10.8	2.9	17.6	17.2
Total, international affairs and finance.....	19.1	11.0	22.8	14.5	29.7	30.5
Space Research and Technology						
National Aeronautics and Space Administration: Research and flight centers.....	125.2	340.4	819.0	98.2	153.8	284.8
Agriculture and Agricultural Resources						
Department of Agriculture:						
Agricultural Research Service and Agricultural Marketing Service: Laboratory and research facilities.....	9.1	1.2	3.5	6.0	5.7	7.8
Soil Conservation Service: Flood prevention and watershed protection:						
Direct work.....	.6	.8	.8	.6	.8	.8
Grants.....	36.8	60.0	64.3	32.1	42.7	57.6
Loans.....	5.0	3.5	4.0	1.1	6.1	4.5
Commodity Credit Corporation: Storage facilities.....				.6	.5	.5
Total, agriculture and agricultural resources.....	51.5	65.4	72.6	40.4	55.8	71.3
Natural Resources						
Department of Agriculture:						
Forest Service: Roads and research, recreational and protective facilities.....	50.0	74.4	33.6	47.0	56.3	71.3
Department of Defense—Civil:						
Corps of Engineers—Civil: Flood control, navigation, and multiple-purpose projects with power.....	761.4	778.7	812.6	759.1	760.3	798.2
Grant: Oroville Dam, Calif.....			15.0			15.0
Department of the Interior:						
Office of Saline Water: Demonstration plants.....	2.0	5.8		1.5	5.0	2.7
Power transmission facilities:						
Bonneville Power Administration.....	18.7	20.9	34.9	25.5	19.4	24.1
Southwestern Power Administration.....	1.3	1.0	7.2	.7	1.8	3.1
Bureau of Land Management: Roads.....	6.5	7.6	7.2	6.7	7.4	7.6
Bureau of Indian Affairs: Irrigation works, roads, and schools.....	28.3	51.6	54.8	31.3	38.2	62.5
Bureau of Reclamation: Irrigation and multiple-purpose projects with power.....	221.9	203.7	271.8	202.5	214.1	250.3
Loans, small irrigation projects.....	11.6	13.2	4.7	16.6	14.9	8.9
Grants.....				(1)	(1)	(1)

¹ \$50,000 or less.

Table F-6. FEDERAL ACTIVITIES IN PUBLIC WORKS (in millions of dollars)—
Continued

By major function and agency—Continued

Function, organization unit, and program	NEW AUTHORIZA- TIONS			EXPENDITURES		
	1961 enacted	1962 estimate	1963 estimate	1961 actual	1962 estimate	1963 estimate
CIVIL PUBLIC WORKS—Continued						
Natural Resources—Continued						
Department of the Interior—Continued						
Bureau of Mines:						
Laboratories and other structures.....	2.2	0.8	1.0	0.5	1.2	2.0
Helium conservation facilities.....						4.3
Anthracite mine drainage, grants.....				.2	.2	.6
Fish and Wildlife Service: Facilities.....	7.5	13.2	12.5	4.9	8.7	11.4
National Park Service: Parkways, roads, buildings, and utilities.....	52.8	62.9	31.9	49.7	51.0	59.3
Department of State: International Bound- ary and Water Commission: Water resources projects.....	9.2	13.2	12.4	2.1	11.4	15.4
Restoration of salmon runs, Fraser River system.....					(¹)	(¹)
Tennessee Valley Authority: Power, water resources, and chemical facilities.....	11.5	26.7	24.2	158.9	201.5	156.8
Total, natural resources.....	1,185.0	1,273.5	1,323.6	1,307.2	1,391.5	1,493.5
Commerce and Transportation						
Department of Commerce:						
Bureau of Public Roads:						
Federal-aid highway grants (trust fund).....	2,873.1	3,313.4	2,604.0	2,590.8	2,995.9	3,214.0
Proposed legislation (trust fund) Improvement of Pentagon road net- work (trust fund).....			940.5			
Woodrow Wilson Bridge, and other direct Federal work.....			2.5			1.8
Forest and public lands highways, and other grants.....	35.0	34.5	34.5	31.8	35.7	37.9
Control of outdoor advertising, grant. Coast and Geodetic Survey: Observa- tory.....	.6	.2	.3	.5	.4	.3
Weather Bureau: Facilities.....	.4	1.0	2.4	.1	.8	1.0
Century 21 Exposition: Buildings.....				.7	3.4	
National Bureau of Standards: Labora- tories.....	25.1	43.8	32.1	2.9	11.1	36.1
Area Redevelopment Administration: Grants for public facilities.....		40.0	50.0		15.0	30.0
Loans for public facilities.....	100.0				8.4	32.7
Department of Defense—Civil: Panama Canal Company:						
Canal and harbor improvements.....				12.8	14.0	13.0
Thatcher Ferry bridge.....				2.3	12.0	1.5
Department of the Interior: Office of Territories: Alaska Railroad.....				1.3	1.3	.7
Post Office Department: Improvements and alterations.....	61.0	51.6	44.3	31.6	48.6	47.2
Treasury Department: Coast Guard: Lifeboat stations and other aids.....	7.4	13.0	14.4	26.5	22.0	30.6
Department of Defense transfer.....				-19.0	-10.0	-22.0
Federal Aviation Agency: Air traffic control and navigation facil- ities.....	164.6	120.0	135.0	107.6	118.6	133.7

¹ \$50,000 or less.

Table F-6. FEDERAL ACTIVITIES IN PUBLIC WORKS (in millions of dollars)—Continued

By major function and agency—Continued

Function, organization unit, and program	NEW AUTHORIZA-TIONS			EXPENDITURES		
	1961 enacted	1962 estimate	1963 estimate	1961 actual	1962 estimate	1963 estimate
CIVIL PUBLIC WORKS—Continued						
Commerce and Transportation—Con.						
Federal Aviation Agency—Continued						
Research facilities.....	1.0			1.5	0.5	0.4
Washington, D.C., and Alaska airports.....	4.5	24.3	5.9	30.6	32.4	23.0
Federal-aid airport program: Grants.....	63.0	75.0	75.0	64.8	81.2	76.0
Saint Lawrence Seaway Development Corporation.....				2.1	2.7	.8
Total, commerce and transportation.....	3,335.7	3,716.8	3,945.5	2,891.3	3,395.9	3,663.5
Housing and Community Development						
Housing and Home Finance Agency:						
Office of the Administrator:						
Public facility loans.....	550.0	26.5		9.0	27.0	59.0
Advance planning, non-Federal public works: Loans.....	6.0	7.0	13.0	5.0	7.0	8.0
Liquidating programs: Community facilities: Loans.....				-.5	-.4	-.1
Public Housing Administration: Low-rent public housing loans.....				4.4	1.0	1.0
National Capital Transportation Agency:						
Land acquisition and construction.....		1.0	2.0		.7	1.8
District of Columbia:						
Loans for highway, sewage and water systems and other structures.....	42.6	29.0	27.3	12.2	65.2	49.8
Grants for sewage works.....	2.7		.3	2.7		.3
Total, housing and community development.....	601.3	63.5	42.4	32.8	100.5	119.8
Health, Labor, and Welfare						
Department of Health, Education, and Welfare:						
Food and Drug Administration: Building.....	.1	1.8		(1)	.3	1.5
Public Health Service:						
Federal research facilities.....	15.9	20.2	27.0	8.4	9.3	19.0
Indian health facilities.....	9.7	8.3	9.2	9.8	11.0	8.6
National Library of Medicine.....				1.6	1.9	
Grants for public hospitals.....	75.3	85.4	69.2	64.0	70.0	76.2
Grants for health research facilities.....	2.0	8.1	4.0	1.9	2.1	5.4
Grants for waste treatment works.....	46.1	80.0	90.0	44.1	45.0	55.0
Mental health facilities, Alaska (grant).....				2.4	3.7	
Saint Elizabeths Hospital: Buildings.....	5.4	.6	8.1	.5	3.4	3.2
Bureau of Old-Age and Survivors Insurance: Building (trust fund).....				1.8	4.1	1.9
Total, health, labor, and welfare.....	154.6	204.3	207.5	134.5	150.9	170.8
Education						
Department of Health, Education, and Welfare: Office of Education:						
School construction in federally affected areas:						
At Federal installations.....	7.6	7.8	8.1	10.9	10.0	9.5
Grants.....	54.9	46.2	37.5	59.2	53.1	48.7

¹ \$50,000 or less.

Table F-6. FEDERAL ACTIVITIES IN PUBLIC WORKS (in millions of dollars)—
Continued

By major function and agency—Continued

Function, organization unit, and program	NEW AUTHORIZA- TIONS			EXPENDITURES		
	1961 enacted	1962 estimate	1963 estimate	1961 actual	1962 estimate	1963 estimate
CIVIC PUBLIC WORKS—Continued						
Education—Continued						
Department of Health, Education, and Welfare: Office of Education—Con. Elementary and secondary school con- struction grants (proposed legislation)			300.0			15.0
Aid to higher education for academic facilities, loans (proposed legislation)			150.0			7.5
Housing and Home Finance Agency: College housing loans	250.0	150.0	150.0	100.0	125.0	187.5
National Science Foundation: Research facilities	6.1	7.5	7.6	4.7	5.9	8.6
Smithsonian Institution: Museums	13.9	5.2	6.9	11.4	25.3	11.2
Total education	332.4	216.6	660.0	186.2	219.3	288.0
Veterans Benefits and Services						
Department of Defense—Civil: Army: Cemeteries	.4	1.1	.7	.8	.5	1.1
United States Soldiers' Home (trust fund)				1.8	3.0	.8
Veterans Administration: Hospital and domiciliary facilities	75.0	76.2	75.5	55.1	70.0	71.7
American Battle Monuments Commission: Memorials and cemeteries				1.1	.6	.4
Total, veterans benefits and serv- ices	75.4	77.4	76.2	58.9	74.1	74.0
General Government						
Legislative branch:						
Architect of the Capitol: Buildings and library	8.0			22.4	40.1	26.0
Botanic Garden: Greenhouses				.5	.1	.5
Government Printing Office: Annex			6.4			1.7
The Judiciary: Court facilities		1.0	2.1		.8	(1)
Office of Emergency Planning		2.5		.1	2.6	
Department of Defense—Civil:						
Army: Power and water systems in the Ryukyu Islands:						
Direct work				.2	.1	.1
Loans						6.0
Canal Zone Government: Improvements	6.6	2.0	2.5	2.4	4.2	3.9
Department of the Interior:						
Office of Territories: Public buildings in Samoa and the Pacific Islands, grants	1.8	7.1	11.2	1.8	7.1	11.2
Alaska public works:						
Grants				.8	.3	
Loans	.3	.1		.9		
Virgin Islands Corporation: Water and power facilities	3.6	.9	3.3	3.5	1.8	3.3
Department of Justice:						
Federal Prison System: Prison facilities	9.9	2.0	3.9	4.4	10.0	6.5
Immigration and Naturalization Service: Border facilities	.3	.2	.4	.4	.3	.6

1 \$50,000 or less.

Table F-6. FEDERAL ACTIVITIES IN PUBLIC WORKS (in millions of dollars)—
Continued

By major function and agency—Continued

Function, organization unit, and program	NEW AUTHORIZA- TIONS			EXPENDITURES		
	1961 enacted	1962 estimate	1963 estimate	1961 actual	1962 estimate	1963 estimate
CIVIC PUBLIC WORKS—Continued						
General Government—Continued						
Treasury Department:						
Bureau of Customs: Border facilities.....	0.2	0.2	0.2	0.2	0.2	0.4
Bureau of Engraving and Printing: Air- conditioning.....			.3			.3
General Services Administration:						
Construction of public buildings, sites and planning.....	210.0	262.6	227.0	103.0	153.8	214.7
Loans for public hospitals in D.C.....				.6	.3	.7
Central Intelligence Agency: Headquarters.....				19.3	9.0	.5
Total, general government.....	240.8	278.8	257.4	160.6	230.8	276.4
Total, budget accounts.....	3,248.0	2,934.2	3,880.3	2,330.2	2,799.3	3,254.1
Total, trust funds.....	2,873.1	3,313.4	3,547.0	2,594.3	3,003.0	3,218.6
Total, civil public works.....	6,121.0	6,247.6	7,427.3	4,924.5	5,802.4	6,472.7
NATIONAL DEFENSE PUBLIC WORKS						
Office of Emergency Planning: Shelter areas.....	2.2	.8		.4		
Department of Defense—Military:						
Interservice activities:						
Defense agencies, buildings.....			41.0			11.0
Advanced Research Projects Agency.....				17.9	12.4	
Loran stations.....	19.0	10.0	22.0	19.0	10.0	22.0
Construction, foreign countries.....				1.9	25.0	8.0
Other activities.....		.2		.2	.2	
Civil defense:						
Grants for shelter areas.....		5.0	458.0		2.6	104.7
Emergency centers.....		2.5			2.6	(¹)
Army:						
Construction.....	148.4	171.2	177.0	239.3	172.0	179.0
Construction, Army Reserve.....	16.0	14.4	8.0	17.6	15.0	15.0
Construction, Army National Guard.....	17.5	21.9	7.0	18.5	20.0	19.0
Navy:						
Construction.....	162.5	197.0	225.0	267.0	180.0	200.0
Construction, Naval Reserve.....	4.0	7.0	7.0	9.2	7.5	8.0
Air Force:						
Construction.....	676.1	514.7	812.0	997.8	790.0	700.0
Construction, Air Force Reserve.....	4.0	4.6	5.0	3.1	3.0	7.0
Construction, Air National Guard.....	13.8	18.3	14.0	13.7	15.0	20.0
Total, Department of Defense— Military.....	1,061.4	966.8	1,776.0	1,605.2	1,255.2	1,293.8
Atomic Energy Commission: Facilities.....	204.2	195.4	286.0	292.9	275.5	268.5
Total, national defense public works.....	1,267.8	1,163.0	2,062.0	1,898.5	1,530.7	1,562.3
Total, civil and defense public works.....	7,388.8	7,410.6	9,489.4	6,823.0	7,333.1	8,034.9

¹ \$50,000 or less.

SPECIAL ANALYSIS F

FEDERAL ACTIVITIES IN PUBLIC WORKS

This special analysis brings together, from the numerous budget accounts and trust funds, information on Federal public works activities. Many types of structures are required to carry on the Federal Government's program responsibilities. Some of these structures are built by Federal agencies; others are built by State and local authorities, with Federal financial assistance in the form of grants or loans. The Federal Government also provides construction aids to cooperatives, nonprofit groups and private interests through loans, loan guarantees, grants and other incentives. These, however, are not within the scope of this analysis.

Expenditures shown in the following tables reasonably approximate the value of work put in place for direct Federal projects, most of which are constructed under contracts with private enterprise. In the case of federally aided State and local projects, the Federal budget expenditures may precede or follow the construction put in place.

The public works totals in this analysis include expenditures from the administrative budget and trust funds. Prior to this budget, the public works analysis included expenditures from major trust funds; thus, the coverage of trust funds in this analysis differs only slightly from that in previous special analyses on public works.

Total expenditures for Federal public works activities are estimated to be \$9.0 billion in fiscal year 1964, an increase of \$939 million over the 1963 level. Expenditures of \$7.2 billion in 1964 for civil public works make up 80 percent of the total. More than half of the civil public works expenditures will be for grants to State and local governments, including \$3.3 billion from the Highway trust fund.

Table F-1. FEDERAL EXPENDITURES FOR PUBLIC WORKS,
FISCAL YEARS 1955-64 (in millions of dollars)

From budget accounts and trust funds

Year	Total, civil and defense public works	Civil public works				National defense public works
		Total	Federal construc- tion	Grants	Loans (net)	
1955.....	4,123	1,716	1,025	776	-85	2,408
1956.....	4,103	1,784	869	889	26	2,319
1957.....	4,492	2,243	1,076	1,103	65	2,249
1958.....	5,070	3,106	1,254	1,735	117	1,964
1959.....	6,684	4,535	1,521	2,871	143	2,150
1960.....	6,846	5,011	1,643	3,211	156	1,835
1961.....	6,823	4,925	1,878	2,897	149	1,898
1962.....	6,938	5,310	2,085	3,018	207	1,627
1963 estimate.....	8,074	6,463	2,624	3,494	345	1,612
1964 estimate.....	9,013	7,203	2,893	4,023	288	1,810

Note.—In this and the following tables, nonconstruction costs are excluded; proposed legislation is included for the years 1963 and 1964. Details may not add to totals because of rounding.

Expenditures by the Department of Defense account for 84 percent of the \$1.8 billion estimated for national defense public works in the 1964 budget.

Table F-2. EXPENDITURES AND 1964 NEW AUTHORIZATIONS FOR CIVIL PUBLIC WORKS, BY AGENCY (in millions of dollars)

From budget accounts and trust funds

Type of program and agency	Expenditures			New authorizations 1964 estimate
	1962 actual	1963 estimate	1964 estimate	
Federal construction:				
Architect of the Capitol.....	33	31	21	-----
Department of Agriculture.....	65	94	106	106
Corps of Engineers—Civil.....	773	846	864	897
Department of the Interior:				
Bureau of Reclamation.....	264	256	278	293
Bureau of Indian Affairs.....	42	59	64	75
National Park Service.....	50	58	65	74
Other.....	41	45	51	92
Post Office Department.....	21	56	51	46
Federal Aviation Agency.....	145	144	124	107
General Services Administration.....	126	169	200	256
Veterans Administration.....	58	70	73	81
National Aeronautics and Space Administration.....	114	350	559	800
Tennessee Valley Authority.....	199	159	165	30
Public Works Acceleration.....		120	97	-----
Other.....	154	167	175	197
Total, Federal construction.....	2,085	2,624	2,893	3,054
Grants to State and local governments:				
Bureau of Public Roads.....	31	45	39	43
Bureau of Public Roads (trust funds).....	2,717	2,931	3,286	3,815
Soil Conservation Service.....	38	53	59	73
Office of Education.....	42	46	70	246
Public Health Service.....	114	120	132	232
Federal Aviation Agency.....	58	76	62	75
Area Redevelopment Administration.....	*	4	11	35
Public Works Acceleration.....		177	299	-----
District of Columbia.....	5	5	28	28
Housing and Home Finance Agency.....			10	100
Other.....	12	36	27	25
Total, grants.....	3,018	3,493	4,023	4,672
Loans to State and local governments, net:				
Bureau of Reclamation.....	18	22	14	17
Housing and Home Finance Agency.....	141	261	208	170
District of Columbia.....	44	52	31	11
Area Redevelopment Administration.....	*	9	19	30
Office of Education.....			5	200
Other.....	4	1	11	10
Total, loans.....	207	345	288	438
Civil public works:				
Budget accounts.....	2,553	3,487	3,883	4,330
Trust funds.....	2,757	2,976	3,320	3,833
Total, civil public works.....	5,310	6,463	7,203	8,163

*Less than one-half million dollars.

CIVIL PUBLIC WORKS

Civil public works expenditures in 1964 are estimated to be 11 percent higher than in 1963. Major increases in direct Federal construction for 1964 include \$209 million by the National Aeronautics and Space Administration and \$31 million by the General Services Administration. The estimated \$530 million increase in grants includes \$357 million under the Federal-aid highway program and \$122 million for the public works acceleration program, initiated in fiscal year 1963. Expenditures under the loan programs are on a net basis and therefore do not reflect adequately the amount of construction aided by the Federal Government.

Public works acceleration program.—In calendar year 1962 the President recommended and the Congress enacted legislation to accelerate public works programs of the Federal Government and State and local bodies, both to provide employment opportunities and to meet longstanding needs for public works. Projects eligible

Table F-3. PUBLIC WORKS ACCELERATION PROGRAM (in millions of dollars)

Agency	New obligational authority 1963	Expenditures	
		1963 estimate	1964 estimate
Allocations through December 31, 1962:			
Public works:			
Housing and Home Finance Agency (grants).....	176	70	106
Public Health Service (grants).....	87	23	64
Forest Service (includes grants).....	27	21	6
Bureau of Public Roads.....	15	8	7
Bureau of Indian Affairs.....	12	10	2
Corps of Engineers.....	10	7	3
Fish and Wildlife Service (includes grants).....	9	3	6
National Park Service.....	9	8	1
Bureau of Land Management.....	7	5	2
Post Office.....	3	*	3
Bureau of Prisons.....	2	1	1
Soil Conservation Service.....	2	1	1
Other agencies.....	4	3	1
Subtotal, public works.....	363	161	202
Administration.....	2	2	*
Total through December 31, 1962.....	365	163	202
Future allocations from \$35 million enacted and \$500 million proposed supplemental:			
Grants for public works.....	322	83	125
Direct Federal public works.....	208	53	69
Administration.....	5	1	3
Total after December 31, 1962.....	535	137	198
Total program:			
Grants for public works.....	593	177	299
Direct Federal public works.....	300	120	97
Administration.....	7	3	3
Total, enacted and proposed.....	900	300	400

*Less than one-half million dollars.

for aid must be located in redevelopment areas or in areas suffering substantial unemployment and can be substantially completed within 1 year after initiation. In addition to the types of small public works facilities constructed by Federal agencies and those aided under regular Federal grant programs, other types of State and local public works are now eligible for Federal grants if the criteria stipulated in the law are met.

Of the \$900 million authorized for public works acceleration, \$400 million has been appropriated. The budget includes a 1963 supplemental appropriation for the additional \$500 million. The lump-sum amounts appropriated for this program are allocated to Federal agencies for direct Federal projects and grants to States and local bodies. Table F-3 provides information on the funds which have been allocated.

New and continuing work.—The major share of the \$2.9 billion of expenditures in 1964 on direct Federal construction will be spent for work started in prior years. As shown in table F-4, \$2.6 billion, or 90 percent, will be for work underway. An estimated \$7.9 billion of expenditures will be required after 1964 to complete this work. New projects proposed for 1964 will require \$228 million of expenditures in 1964, with additional commitments of \$2.9 billion in future years.

In the water resources area, funds are recommended in the 1964 budget for the Corps of Engineers to start or resume work on 32 projects, including 8 navigation projects, 1 bridge alteration, 4 beach erosion control projects, 13 local flood protection projects, 3 flood control reservoirs, and 3 multiple-purpose projects with hydroelectric power facilities. The Bureau of Reclamation will start 7 projects and will make a loan to a local group for starting a small reclamation project. The budget also includes funds for the Tennessee Valley Authority to initiate construction of a navigation lock and a flood control project estimated to cost \$25 million in total. Appropriations of \$1.8 million are requested for the Bureau of Indian Affairs to start construction of the \$135 million Navajo Indian irrigation project. The Bonneville Power Administration will start construction on 12 new transmission lines, including high voltage interconnections of the power systems of the Pacific Northwest and Pacific Southwest. Also, the Southwestern Power Administration will start construction on a new transmission line.

The 1964 budget includes \$790 million to finance approximately 100 new facilities to be constructed by the National Aeronautics and Space Administration to meet the requirements of the manned lunar landing and other programs for civilian space exploration. Funds are recommended for the General Services Administration to construct 33 new public buildings. Construction will begin on a \$15.5 million psychiatric prison-hospital in North Carolina, to serve the needs of the Federal Prison System. The Veterans Administration will begin construction of a new hospital, modernization of several projects and replacement of 3 hospitals, as well as construction and planning of new medical research facilities.

Public works planning and surveys.—The 1964 budget includes \$73 million for advance planning of projects, including acquisition of sites by the General Services Administration for public buildings. Significant amounts also will be spent for preliminary surveys and general investigations to assure economical design and construction of projects.

Table F-4. ESTIMATED COST OF 1964 DIRECT FEDERAL CIVIL PUBLIC WORKS BY CONTINUING AND NEW WORK (in millions of dollars)

From budget accounts and trust funds

Agency or program	Total estimated Federal cost	Cumulative to June 30, 1963	1964 estimated expenditures	Required to complete
Continuing work:				
Corps of Engineers—Civil.....	10,696	5,645	831	4,220
National Aeronautics and Space Administration.....	1,188	510	485	193
Bureau of Reclamation.....	4,713	2,986	268	1,459
General Services Administration.....	694	207	166	321
Tennessee Valley Authority.....	704	470	131	103
Public Works Acceleration Program.....	300	120	97	83
Federal Aviation Agency.....	406	143	92	171
Forest Service.....	537	438	84	15
Veterans Administration.....	310	137	67	106
National Park Service.....	1,056	336	62	658
Bureau of Indian Affairs.....	523	306	57	160
Post Office.....	119	7	48	64
Bureau of Standards.....	109	29	36	44
Architect of the Capitol.....	140	119	21	-----
Public Health Service.....	118	34	19	65
Other.....	943	577	129	237
Total, continuing work.....	22,556	12,064	2,593	7,899
New projects and features in 1964:				
National Aeronautics and Space Administration.....	790	-----	64	726
Tennessee Valley Authority.....	287	*	33	254
Federal Aviation Agency.....	115	-----	32	83
Corps of Engineers—Civil.....	348	10	16	322
Forest Service.....	18	-----	15	3
Bureau of Indian Affairs.....	186	-----	7	179
Bureau of Reclamation.....	283	*	6	277
Bureau of Prisons.....	35	2	6	27
General Services Administration.....	733	-----	5	728
Veterans Administration.....	77	*	4	73
Bonneville Power Administration.....	126	-----	4	122
Post Office Department.....	46	-----	3	43
United States Information Agency.....	44	-----	3	41
National Park Service.....	14	-----	1	13
Other.....	87	1	29	57
Total, new projects and features.....	3,189	13	228	2,948
Advance planning:				
General Services Administration ¹	184	75	29	80
Corps of Engineers—Civil.....	64	23	18	23
National Aeronautics and Space Administration.....	10	-----	10	-----
Bureau of Reclamation.....	35	26	4	5
Veterans Administration.....	13	2	2	9
National Park Service.....	21	8	1	12
Other.....	19	2	9	8
Total, advance planning.....	346	136	73	137
Total, direct civil public works.....	26,091	12,213	2,893	10,984

*Less than one-half million dollars.

¹ Includes some sites as well as planning costs.

The amounts for surveys and investigations are not included in the public works expenditures in this analysis.

The 1964 budget for water resources activities gives special emphasis to coordinated comprehensive river basin planning by certain major Federal agencies concerned. Funds are provided to carry forward comprehensive studies in a number of the Nation's river basins. These studies provide long-range economic, hydrologic, and land-use projections for the various river basins, and serve as a general framework for planning individual water resources projects to be undertaken in later years. Expenditures for this purpose by four major Federal agencies are shown below. The Tennessee Valley Authority also carries on a substantial amount of comprehensive river basin planning.

Agency	Expenditures (millions of dollars)		
	1962 actual	1963 estimate	1964 estimate
Corps of Engineers—Civil.....	1.3	2.2	5.0
Bureau of Reclamation.....	.6	.7	1.7
Public Health Service.....	2.2	3.9	6.2
Soil Conservation Service.....	.9	1.9	3.5
Total.....	5.0	8.7	16.4

Authorized reserve of direct Federal public works.—Table F-5 summarizes the reserve of Federal projects which have been authorized by substantive legislation and thus require only financing and planning for starting. This reserve provides a basis for a wise selection of projects for advance planning and for starting in accordance with program needs and budgetary policy.

Table F-5. RESERVE OF PRESENTLY AUTHORIZED PROJECTS AND PROGRAMS FOR UNDERTAKING AFTER 1964 (in billions of dollars)

Agency	Estimated total Federal cost	Cost of authorized reserve					
		Status of plans as of June 30, 1963			Status of plans as of June 30, 1964		
		Planned to stage where contract could be let	Plans in process	Plans not started	Planned to stage where contract could be let	Plans in process	Plans not started
Corps of Engineers—Civil.....	4.8	0.5	2.6	1.7	1.2	2.2	1.4
Bureau of Reclamation.....	2.6	.8	.9	.9	.8	.9	.9
Tennessee Valley Authority.....	1.3	.1	.8	.4	.4	.8	.1
Forest Service.....	1.7	.3	1.43	1.4
Federal Aviation Agency.....	1.1	.2	.4	.5	.3	.5	.3
General Services Administration.....	.6	.1	.3	.2	.2	.4
Other agencies.....	1.5	.1	.1	1.3	.1	.4	1.0
Total.....	13.6	2.1	6.5	5.0	3.3	6.6	3.7

Civil public works by function.—Expenditures of \$4 billion for the commerce and transportation function in 1964 make up 56% of the total for civil public works. The next largest component—23%—is the \$1.6 billion for the natural resources function. A large share of this amount will be for water resources programs. Table F-6 brings together the expenditures under the various functions for water resources development.

Table F-6. BUDGET EXPENDITURES FOR WATER RESOURCES AND RELATED DEVELOPMENTS (in millions of dollars)

Type	1962 actual	1963 estimate	1964 estimate
Flood control works:			
Corps of Engineers—Civil.....	286.8	340.7	370.0
Grants.....	(1)	17.0	11.8
Bureau of Reclamation.....	1.8	1.4	8.3
Soil Conservation Service (mostly grants).....	35.7	49.4	54.2
International Boundary and Water Commission.....	.8	1.2	1.0
Tennessee Valley Authority.....		2.5	3.6
Total, flood control works.....	325.1	412.2	448.9
Beach erosion control: Corps of Engineers—Civil.....	1.1	1.4	.9
Irrigation and water conservation works:			
Bureau of Reclamation.....	84.7	77.9	80.5
Loan and grant program.....	17.6	21.8	14.0
Soil Conservation Service (mostly grants).....	6.3	8.7	9.6
Bureau of Indian Affairs.....	3.2	4.5	5.0
Total, irrigation works.....	111.8	112.9	109.1
Navigation facilities:			
Corps of Engineers—Civil.....	216.1	226.0	222.4
Saint Lawrence Seaway Development Corporation.....	.2	2.5	1.2
Tennessee Valley Authority.....	15.2	10.1	11.3
Total, navigation facilities.....	231.5	238.6	234.9
Multiple-purpose dams and reservoirs with hydroelectric power facilities:			
Bureau of Reclamation.....	134.3	125.2	141.5
Corps of Engineers—Civil.....	253.6	252.0	250.4
International Boundary and Water Commission.....	7.0	12.8	7.9
Tennessee Valley Authority.....	15.4	14.8	3.6
Total, multiple-purpose facilities.....	410.3	404.8	403.4
Steam-electric powerplants: Tennessee Valley Authority.....	132.4	86.1	87.2
Power transmission facilities:			
Tennessee Valley Authority.....	33.6	36.9	50.6
Bureau of Reclamation.....	40.5	51.1	47.2
Bonneville Power Administration.....	16.9	18.4	26.4
Southwestern Power Administration.....	1.1	1.1	3.5
Total, power transmission facilities.....	92.1	107.5	127.7
Waste treatment facilities: Public Health Service grants.....	42.0	52.0	65.0
Total, water resources and related developments.....	1,346.3	1,415.5	1,477.1

¹ \$50 thousand or less.

Most of the expenditures in the education function and the health, labor, and welfare function consist of grants and loans to States and local bodies for schools, college housing, hospitals, and waste treatment works. The 1964 budget includes new obligational authority of \$392.5 million for grants and loans under the President's proposed National education program. Information on civil public works activities by function is presented in table F-7.

NATIONAL DEFENSE PUBLIC WORKS

National defense public works include those of the Department of Defense—Military and the Atomic Energy Commission.

Department of Defense—Military.—The military public works program includes overseas and domestic construction to support Army, Navy, Air Force, Reserve, and National Guard activities. The bulk of these projects forms part of the long-range programs of the Regular Armed Forces to strengthen and modernize facilities for training, maintenance, research and development, supply, medical care, troop housing, and administration. Projects for the Reserve and National Guard programs include training centers, armories, and aviation facilities.

Facilities are to be constructed for additional hardened Minuteman missiles in an improved configuration, and funds are included to provide improvements for greater safety and more reliability to the earlier ballistic missile systems, Atlas and Titan. Additional facilities will be provided for the Polaris missile system in both the Atlantic and Pacific. Facilities to accommodate and maintain greater survival dispersion for the interceptor aircraft, such as the F-101, F-102, and F-106, are to be constructed. The Nike-Hercules air defense missile system includes facilities and modifications to provide the system with protection against radiation fallout. About 10% of the new program is represented by research and development facilities.

The 1964 program proposes the construction of an additional 12,100 units of family housing, as well as rehabilitation and improvement of existing units.

Expenditures in 1964 for military construction (excluding civil defense) are estimated at \$1,459 million, which is \$128 million greater than the 1963 estimate. This increase represents the influence of the family housing program which, starting in 1963, is being funded by direct appropriations for new construction rather than mortgage financing under title VIII of the National Housing Act.

Under the civil defense program Federal expenditures for grants in 1964, estimated at \$35 million, will provide for shelter construction in selected community buildings, such as schools and hospitals, and for construction of State emergency operating centers. New obligational authority of \$160 million is recommended in 1964.

Atomic Energy Commission.—Major projects on which work will be continued in 1964 include the production reactor facility for special nuclear materials, the advanced test reactor, installations for the Project Rover and the linear electron accelerator. Among the new projects will be modifications and additions to existing production plants, weapons development facilities, and facilities for research and development related to reactor development and life sciences.

Table F-7. FEDERAL ACTIVITIES IN PUBLIC WORKS (in millions of dollars)

By major function and agency

Function, organization unit, and program	NEW AUTHORIZATIONS			EXPENDITURES		
	1962 enacted	1963 estimate	1964 estimate	1962 actual	1963 estimate	1964 estimate
CIVIL PUBLIC WORKS						
International Affairs and Finance						
Department of State:						
State Department and Foreign Service buildings.....	1.3	-----	11.1	5.7	.6	7.2
Cultural and Technical Interchange Center, Hawaii (grant).....	-----	1.5	.3	5.0	2.5	1.5
United States Information Agency: Radio facilities.....	9.8	18.4	44.4	14.7	18.9	12.7
Total, international affairs and finance.....	11.1	19.9	55.8	25.4	21.9	21.4
Space Research and Technology						
National Aeronautics and Space Administration:						
Research and space flight facilities.....	325.8	737.4	800.0	114.3	350.0	559.0
Agriculture and Agricultural Resources						
Department of Agriculture:						
Laboratories, research facilities, and library.....	1.6	3.6	2.5	3.8	6.5	6.4
Soil Conservation Service: Flood prevention and watershed protection:						
Direct work.....	.8	.8	.7	.8	1.0	1.0
Grants.....	62.5	68.7	72.8	38.5	53.2	58.6
Loans.....	3.5	3.9	7.5	2.8	3.8	4.1
Farmers Home Administration: Rural renewal loans.....	-----	-----	2.0	-----	-----	1.5
Total, agriculture and agricultural resources.....	68.3	77.0	85.6	45.7	64.5	71.5
Natural Resources						
Department of Agriculture:						
Forest Service:						
Roads and research, recreational and protective facilities.....	63.7	104.1	103.0	50.7	75.0	87.0
Trust funds.....	-----	-----	-----	9.7	11.0	12.0
Department of Defense—Civil:						
Corps of Engineers—Civil: Flood control, navigation, and multiple-purpose projects with power.....	796.9	849.4	880.5	757.6	820.1	843.7
Trust funds.....	17.3	21.8	16.7	15.7	26.0	20.7
Grants.....	(1)	17.0	11.8	(1)	17.0	11.8
Department of the Interior:						
Office of Saline Water: Demonstration plants.....	5.8	.4	.8	2.1	3.2	1.4
Power transmission facilities:						
Bonneville Power Administration ²	21.3	29.6	60.3	17.4	18.9	26.8
Southwestern Power Administration.....	1.0	7.2	3.5	1.1	1.1	3.5

See footnotes at end of table.

Table F-7. FEDERAL ACTIVITIES IN PUBLIC WORKS
(in millions of dollars)—Continued

By major function and agency

Function, organization unit, and program	NEW AUTHORIZATIONS			EXPENDITURES		
	1962 enacted	1963 estimate	1964 estimate	1962 actual	1963 estimate	1964 estimate
CIVIL PUBLIC WORKS—Continued						
Natural Resources—Continued						
Department of the Interior—Continued						
Bureau of Land Management: Roads...	7.9	8.4	10.6	8.5	6.9	7.7
Bureau of Indian Affairs: Irrigation works, roads, and schools ²	51.9	70.1	74.6	42.2	59.1	64.0
Bureau of Reclamation:						
Irrigation and multiple-purpose projects with power.....	202.9	260.1	292.6	261.3	255.6	277.5
Trust funds.....	2.5	.4	(¹)	2.7	.5	.2
Loans, small irrigation projects.....	13.2	12.3	17.1	17.6	21.7	13.9
Grants.....	(¹)	.1	.1	(¹)	.1	.1
Geological Survey: Laboratories.....		.1	1.8		.1	.9
Bureau of Mines:						
Laboratories and other structures.....	.8	.4	6.7	1.8	1.5	2.8
Anthracite mine drainage, grants.....				.1	.7	.8
Fish and Wildlife Service: Facilities.....	14.6	15.4	8.6	7.1	10.6	6.8
National Park Service: Parkways, roads, buildings, and utilities.....	64.1	70.7	73.3	48.4	54.8	64.4
Trust funds.....	2.5	.4	.4	1.7	3.2	.4
Department of State: International Boundary and Water Commission:						
Water resources projects.....	13.2	11.0	8.4	7.9	14.5	9.8
Restoration of salmon runs, Fraser River system.....					(¹)	(¹)
Tennessee Valley Authority: Power, water resources, and chemical facilities.....						
	26.5	23.9	29.7	198.9	158.9	164.7
Total, natural resources.....	1,306.1	1,502.9	1,600.4	1,452.6	1,560.4	1,620.9
Commerce and Transportation						
Funds appropriated to the President:						
Public works acceleration:						
Grants.....		592.5			177.0	299.0
Direct work.....		300.0			120.0	97.0
Department of Commerce:						
Bureau of Public Roads:						
Highway and other trust funds:						
Grants.....	3,286.5	3,504.0	3,815.4	2,716.6	2,930.6	3,285.8
Loans.....				.7	-3.2	-3.0
Woodrow Wilson Bridge, and other direct Federal work.....				1.2	.9	
Forest and public lands highways, grants.....	34.6	46.2	40.3	30.9	43.2	36.3
Control of outdoor advertising, grants.....		2.0	3.0		2.0	3.0
Coast and Geodetic Survey: Observatory.....						
	.2	.3	.6	.3	.4	.6
Weather Bureau: Facilities.....						
	2.4	.5	.4	.4	1.9	1.3

See footnotes at end of table.

Table F-7. FEDERAL ACTIVITIES IN PUBLIC WORKS
(in millions of dollars)—Continued

By major function and agency

Function, organization unit, and program	NEW AUTHORIZATIONS			EXPENDITURES		
	1962 enacted	1963 estimate	1964 estimate	1962 actual	1963 estimate	1964 estimate
CIVIL PUBLIC WORKS—Continued						
Commerce and Transportation—Con.						
Department of Commerce—Continued						
Participation in New York World's Fair:						
Buildings.....	7.0				3.0	4.1
National Bureau of Standards: Laboratories.....	35.4	22.8	12.3	6.7	24.0	36.9
Area Redevelopment Administration:						
Grants for public facilities.....	40.0	35.0	35.0	.1	4.0	11.0
Loans for public facilities.....	14.3	24.3	30.4	.1	8.9	19.3
Department of Defense—Civil: Panama Canal Company:						
Canal and harbor improvements.....				12.7	13.8	9.6
Thatcher Ferry bridge.....				10.8	2.2	
Department of the Interior: Office of Territories: Alaska Railroad.....						
				1.2	1.1	.8
Post Office Department: Improvements and alterations.....						
	54.8	46.0	46.0	20.5	55.9	50.9
Treasury Department: Coast Guard:						
Lifeboat stations and other aids.....	13.0	14.4	16.5	22.5	22.3	26.5
Department of Defense transfer.....						
				-10.0	-20.0	-20.5
Federal Aviation Agency:						
Air traffic control and navigation facilities.....	54.5	71.0	92.0	118.4	117.5	102.4
Research facilities.....	.2	2.0	10.0	.3	1.9	10.4
Washington, D.C. and Alaska airports.....	24.3	5.2	4.6	25.8	24.7	11.0
Federal-aid airport program: Grants.....	75.0	75.0	75.0	57.9	76.2	62.5
Federal Communications Commission:						
Monitoring facilities.....	(1)	(1)	.1	(1)	(1)	.1
Saint Lawrence Seaway Development Corporation.....						
				.2	2.5	1.2
Total, commerce and transportation.....						
	3,642.3	4,741.2	4,181.6	3,017.3	3,610.8	4,046.3
Housing and Community Development						
Housing and Home Finance Agency:						
Office of the Administrator:						
Mass transportation grants.....			100.0			10.0
Public facility loans.....	26.5	12.5		19.1	69.9	88.0
Advance planning, non-Federal public works: Loans.....	8.0	12.0	20.0	7.7	8.0	12.0
Liquidating programs: Community facilities: Loans.....				-.2	-.1	-.1
Public Housing Administration: Low-rent public housing loans.....				-.4	-6.0	-4.0
National Capital Transportation Agency:						
Land acquisition and construction.....	1.0	.4			.7	.7

See footnotes at end of table.

Table F-7. FEDERAL ACTIVITIES IN PUBLIC WORKS
(in millions of dollars)—Continued

By major function and agency

Function, organization unit, and program	NEW AUTHORIZATIONS			EXPENDITURES		
	1962 enacted	1963 estimate	1964 estimate	1962 actual	1963 estimate	1964 estimate
CIVIL PUBLIC WORKS—Continued						
Housing and Community Development—Continued						
District of Columbia:						
Loans for highway, sewage and water systems and other structures.....	29.0	26.0	11.1	44.2	52.2	30.7
Grants for sewage works.....		.3			.3	
Federal payment to District: Grant....	5.0	5.0	28.0	5.0	5.0	28.0
Total, housing and community development.....	69.5	56.3	159.1	75.5	130.0	165.4
Health, Labor, and Welfare						
Department of Health, Education, and Welfare:						
Food and Drug Administration: Buildings.....	3.3	.3	14.0	.9	2.2	2.5
Public Health Service:						
Federal research facilities and National Library of Medicine.....	18.2	33.2	19.1	5.3	10.4	16.0
Indian health facilities ²	8.6	9.8	6.2	8.7	9.5	9.7
Grants for public hospitals.....	88.5	90.2	81.5	67.4	65.0	64.3
Grants for health research facilities.....	30.0	50.0	50.0	1.4	2.7	2.9
Grants for waste treatment works.....	80.6	90.0	100.0	42.1	52.0	65.0
Mental health facilities, Alaska (grant).....				3.2	.5	
Saint Elizabeths Hospital: Buildings.....	.6	8.1	.6	2.9	3.0	4.2
Bureau of Old-Age and Survivors Insurance: Building (trust fund).....	4.0			3.1	2.9	2.3
Total, health, labor, and welfare....	233.9	281.6	271.4	135.0	148.1	166.9
Education						
Department of Health, Education, and Welfare: Office of Education:						
School construction in federally affected areas:						
At Federal installations.....	7.8	8.1	7.5	13.6	13.0	12.0
Grants.....	53.3	54.8	53.4	42.1	46.1	50.2
National education program, proposed legislation:						
Loans.....			200.0			5.0
Grants.....			192.5			19.8
Housing and Home Finance Agency: College housing loans.....	150.0	150.0	150.0	115.1	189.5	111.5
National Science Foundation: Research facilities.....	6.8	7.7	11.8	6.8	4.5	7.7
Smithsonian Institution: Museums.....	5.3	1.8	9.2	15.6	14.6	10.3
Total, education.....	223.1	222.3	624.4	193.1	267.7	216.4

See footnotes at end of table.

Table F-7. FEDERAL ACTIVITIES IN PUBLIC WORKS
(in millions of dollars)—Continued

By major function and agency

Function, organization unit, and program	NEW AUTHORIZATIONS			EXPENDITURES		
	1962 enacted	1963 estimate	1964 estimate	1962 actual	1963 estimate	1964 estimate
CIVIL PUBLIC WORKS—Continued						
Veterans Benefits and Services						
Department of Defense—Civil:						
Army: Cemeteries.....	1.1	.7	.4	.5	1.1	.7
United States Soldiers' Home (trust fund).....				2.6	.9	.1
Veterans Administration: Hospital and domiciliary facilities.....	76.2	77.0	81.0	58.2	69.9	72.7
American Battle Monuments Commission: Memorials and cemeteries.....				.5	.4	.1
Total, veterans benefits and services.....	76.4	77.7	81.4	61.7	72.3	73.5
General Government						
Legislative branch:						
Architect of the Capitol: Buildings and library.....		18.8		33.3	31.4	21.1
Botanic Garden: Greenhouses.....				.1	.1	
Government Printing Office: Annex.....		6.4	3.8		.8	2.0
Office of Emergency Planning.....	.2			.3		
Department of Defense—Civil:						
Army: Power and water systems in the Ryukyu Islands:						
Direct work.....				.1		
Loans.....					.4	8.0
Canal Zone Government: Improvements.....	2.3	3.1	7.0	3.3	5.8	6.9
Department of the Interior:						
Office of Territories: Public buildings in Samoa and the Pacific Islands, grants.....	7.3	16.0	12.7	7.3	16.0	12.7
Alaska public works:						
Grants.....	.1			.1	(1)	
Loans.....				.2		
Virgin Islands Corporation: Water and power facilities.....	1.0	4.2		2.2	1.6	
Department of Justice:						
Federal Prison System: Prison facilities.....	2.4	3.5	17.8	8.7	9.1	8.4
Immigration and Naturalization Service: Border facilities.....	.2	.2	.5	.3	.2	.6
Treasury Department:						
Bureau of Customs: Border facilities.....	.3	.2	.2	.3	.3	.4
Bureau of Engraving and Printing: Air-conditioning.....		.3	5.4		.3	1.1
General Services Administration:						
Construction of public buildings, sites and planning.....	273.4	255.0	255.8	122.4	166.2	200.5
Trust funds.....	3.7	2.2		3.5	2.5	

See footnotes at end of table.

Table F-7. FEDERAL ACTIVITIES IN PUBLIC WORKS
(in millions of dollars)—Continued

By major function and agency

Function, organization unit, and program	NEW AUTHORIZATIONS			EXPENDITURES		
	1962 enacted	1963 estimate	1964 estimate	1962 actual	1963 estimate	1964 estimate
CIVIL PUBLIC WORKS—Continued						
General Government—Continued						
Central Intelligence Agency: Headquarters.....				7.5	2.6	.1
Total, general government.....	290.8	310.1	303.2	189.3	237.2	261.8
Total, civil public works.....	6,248.2	8,026.4	8,162.9	5,310.1	6,462.9	7,203.1
Budget accounts.....	2,930.4	4,496.7	4,329.8	2,252.9	3,487.2	3,883.5
Trust funds.....	3,317.8	3,529.8	3,833.1	2,757.2	2,975.7	3,319.6
NATIONAL DEFENSE PUBLIC WORKS						
Office of Emergency Planning: Shelter areas (grants).....				1.2		
Department of Defense—Military:						
Interservice activities:						
Construction, defense agencies.....		36.7	29.9		10.0	25.0
Advanced Research Projects Agency.....	.4			11.4		
Loran stations.....	10.0	20.0	20.5	10.0	20.0	20.5
Construction, foreign countries.....				33.3		
Family housing.....		193.4	319.8		151.3	289.1
Other activities, including trust fund.....	.2			.5	(¹)	(¹)
Civil Defense:						
Grants for shelter.....	3.0	8.0	160.0	.2	5.0	35.0
Emergency centers and shelters.....	19.8		20.0	5.1	12.0	16.0
Research and development grants.....	.7		25.0	.7		15.0
Army:						
Construction.....	171.3	151.4	249.5	174.2	165.0	175.0
Construction, Army Reserve.....	14.4	8.0	4.5	13.6	15.0	10.0
Construction, Army National Guard.....	21.9	7.0	3.5	18.4	17.0	13.0
Navy:						
Construction.....	198.6	161.4	269.9	179.6	200.0	210.0
Construction, Naval Reserve.....	7.0	7.0	6.0	9.6	8.0	6.5
Air Force:						
Construction.....	522.7	780.1	628.2	882.1	720.0	690.0
Construction, Air Force Reserve.....	4.6	5.0	4.0	2.6	4.0	4.0
Construction, Air National Guard.....	20.8	14.0	16.0	12.3	21.0	16.0
Total, Department of Defense—Military.....	995.4	1,391.0	1,756.8	1,353.6	1,348.3	1,525.1
Atomic Energy Commission: Facilities.....	195.4	262.7	253.6	272.6	263.0	284.6
General Services Administration: Facility.....		.6			.2	.2
Total, national defense public works:						
Budget accounts.....	1,190.8	1,654.3	2,010.4	1,627.1	1,611.5	1,809.9
Trust funds.....				.3	(¹)	(¹)
Total, civil and defense public works, budget accounts, and trust funds.....	7,439.0	9,680.7	10,173.3	6,937.5	8,074.4	9,013.0

¹ \$50 thousand or less.

² Includes small amounts from trust funds.

Table F-7. FEDERAL ACTIVITIES IN PUBLIC WORKS (in millions of dollars)

By major function and agency

Function, organization unit, and program	NEW AUTHORIZATIONS			EXPENDITURES		
	1962 enacted	1963 estimate	1964 estimate	1962 actual	1963 estimate	1964 estimate
CIVIL PUBLIC WORKS						
International Affairs and Finance						
Department of State:						
State Department and Foreign Service buildings.....	1.3	-----	11.1	5.7	.6	7.2
Cultural and Technical Interchange Center, Hawaii (grant).....	-----	1.5	.3	5.0	2.5	1.5
United States Information Agency: Radio facilities.....	9.8	18.4	44.4	14.7	18.9	12.7
Total, international affairs and finance.....	11.1	19.9	55.8	25.4	21.9	21.4
Space Research and Technology						
National Aeronautics and Space Administration:						
Research and space flight facilities.....	325.8	737.4	800.0	114.3	350.0	559.0
Agriculture and Agricultural Resources						
Department of Agriculture:						
Laboratories, research facilities, and library.....	1.6	3.6	2.5	3.8	6.5	6.4
Soil Conservation Service: Flood prevention and watershed protection:						
Direct work.....	.8	.8	.7	.8	1.0	1.0
Grants.....	62.5	68.7	72.8	38.5	53.2	58.6
Loans.....	3.5	3.9	7.5	2.8	3.8	4.1
Farmers Home Administration: Rural renewal loans.....	-----	-----	2.0	-----	-----	1.5
Total, agriculture and agricultural resources.....	68.3	77.0	85.6	45.7	64.5	71.5
Natural Resources						
Department of Agriculture:						
Forest Service:						
Roads and research, recreational and protective facilities.....	63.7	104.1	103.0	50.7	75.0	87.0
Trust funds.....	-----	-----	-----	9.7	11.0	12.0
Department of Defense—Civil:						
Corps of Engineers—Civil: Flood control, navigation, and multiple-purpose projects with power.....	796.9	849.4	880.5	757.6	820.1	843.7
Trust funds.....	17.3	21.8	16.7	15.7	26.0	20.7
Grants.....	(1)	17.0	11.8	(1)	17.0	11.8
Department of the Interior:						
Office of Saline Water: Demonstration plants.....	5.8	.4	.8	2.1	3.2	1.4
Power transmission facilities:						
Bonneville Power Administration ²	21.3	29.6	60.3	17.4	18.9	26.8
Southwestern Power Administration.....	1.0	7.2	3.5	1.1	1.1	3.5

See footnotes at end of table.

Table F-7. FEDERAL ACTIVITIES IN PUBLIC WORKS
(in millions of dollars)—Continued

By major function and agency

Function, organization unit, and program	NEW AUTHORIZATIONS			EXPENDITURES		
	1962 enacted	1963 estimate	1964 estimate	1962 actual	1963 estimate	1964 estimate
CIVIL PUBLIC WORKS—Continued						
Natural Resources—Continued						
Department of the Interior—Continued						
Bureau of Land Management: Roads...	7.9	8.4	10.6	8.5	6.9	7.7
Bureau of Indian Affairs: Irrigation works, roads, and schools ²	51.9	70.1	74.6	42.2	59.1	64.0
Bureau of Reclamation:						
Irrigation and multiple-purpose projects with power.....	202.9	260.1	292.6	261.3	255.6	277.5
Trust funds.....	2.5	.4	(¹)	2.7	.5	.2
Loans, small irrigation projects.....	13.2	12.3	17.1	17.6	21.7	13.9
Grants.....	(¹)	.1	.1	(¹)	.1	.1
Geological Survey: Laboratories.....		.1	1.8		.1	.9
Bureau of Mines:						
Laboratories and other structures.....	.8	.4	6.7	1.8	1.5	2.8
Anthracite mine drainage, grants.....				.1	.7	.8
Fish and Wildlife Service: Facilities.....	14.6	15.4	8.6	7.1	10.6	6.8
National Park Service: Parkways, roads, buildings, and utilities.....	64.1	70.7	73.3	48.4	54.8	64.4
Trust funds.....	2.5	.4	.4	1.7	3.2	.4
Department of State: International Boundary and Water Commission:						
Water resources projects.....	13.2	11.0	8.4	7.9	14.5	9.8
Restoration of salmon runs, Fraser River system.....					(¹)	(¹)
Tennessee Valley Authority: Power, water resources, and chemical facilities.....						
	26.5	23.9	29.7	198.9	158.9	164.7
Total, natural resources.....	1,306.1	1,502.9	1,600.4	1,452.6	1,560.4	1,620.9
Commerce and Transportation						
Funds appropriated to the President:						
Public works acceleration:						
Grants.....		592.5			177.0	299.0
Direct work.....		300.0			120.0	97.0
Department of Commerce:						
Bureau of Public Roads:						
Highway and other trust funds:						
Grants.....	3,286.5	3,504.0	3,815.4	2,716.6	2,930.6	3,285.8
Loans.....				.7	-3.2	-3.0
Woodrow Wilson Bridge, and other direct Federal work.....				1.2	.9	
Forest and public lands highways, grants.....	34.6	46.2	40.3	30.9	43.2	36.3
Control of outdoor advertising, grants.....		2.0	3.0		2.0	3.0
Coast and Geodetic Survey: Observatory.....						
	.2	.3	.6	.3	.4	.6
Weather Bureau: Facilities.....						
	2.4	.5	.4	.4	1.9	1.3

See footnotes at end of table.

Table F-7. FEDERAL ACTIVITIES IN PUBLIC WORKS
(in millions of dollars)—Continued

By major function and agency

Function, organization unit, and program	NEW AUTHORIZATIONS			EXPENDITURES		
	1962 enacted	1963 estimate	1964 estimate	1962 actual	1963 estimate	1964 estimate
CIVIL PUBLIC WORKS—Continued						
Commerce and Transportation—Con.						
Department of Commerce—Continued						
Participation in New York World's Fair:						
Buildings.....	7.0				3.0	4.1
National Bureau of Standards: Laboratories.....	35.4	22.8	12.3	6.7	24.0	36.9
Area Redevelopment Administration:						
Grants for public facilities.....	40.0	35.0	35.0	.1	4.0	11.0
Loans for public facilities.....	14.3	24.3	30.4	.1	8.9	19.3
Department of Defense—Civil: Panama Canal Company:						
Canal and harbor improvements.....				12.7	13.8	9.6
Thatcher Ferry bridge.....				10.8	2.2	
Department of the Interior: Office of Territories: Alaska Railroad.....				1.2	1.1	.8
Post Office Department: Improvements and alterations.....	54.8	46.0	46.0	20.5	55.9	50.9
Treasury Department: Coast Guard:						
Lifeboat stations and other aids.....	13.0	14.4	16.5	22.5	22.3	26.5
Department of Defense transfer.....				-10.0	-20.0	-20.5
Federal Aviation Agency:						
Air traffic control and navigation facilities.....	54.5	71.0	92.0	118.4	117.5	102.4
Research facilities.....	.2	2.0	10.0	.3	1.9	10.4
Washington, D.C. and Alaska airports.....	24.3	5.2	4.6	25.8	24.7	11.0
Federal-aid airport program: Grants.....	75.0	75.0	75.0	57.9	76.2	62.5
Federal Communications Commission:						
Monitoring facilities.....	(1)	(1)	.1	(1)	(1)	.1
Saint Lawrence Seaway Development Corporation.....				.2	2.5	1.2
Total, commerce and transportation.....	3,642.3	4,741.2	4,181.6	3,017.3	3,610.8	4,046.3
Housing and Community Development						
Housing and Home Finance Agency:						
Office of the Administrator:						
Mass transportation grants.....			100.0			10.0
Public facility loans.....	26.5	12.5		19.1	69.9	88.0
Advance planning, non-Federal public works: Loans.....	8.0	12.0	20.0	7.7	8.0	12.0
Liquidating programs: Community facilities: Loans.....				-.2	-.1	-.1
Public Housing Administration: Low-rent public housing loans.....				-.4	-6.0	-4.0
National Capital Transportation Agency:						
Land acquisition and construction.....	1.0	.4			.7	.7

See footnotes at end of table.

Table F-7. FEDERAL ACTIVITIES IN PUBLIC WORKS
(in millions of dollars)—Continued

By major function and agency

Function, organization unit, and program	NEW AUTHORIZATIONS			EXPENDITURES		
	1962 enacted	1963 estimate	1964 estimate	1962 actual	1963 estimate	1964 estimate
CIVIL PUBLIC WORKS—Continued						
Housing and Community Development—Continued						
District of Columbia:						
Loans for highway, sewage and water systems and other structures.....	29.0	26.0	11.1	44.2	52.2	30.7
Grants for sewage works.....		.3			.3	
Federal payment to District: Grant....	5.0	5.0	28.0	5.0	5.0	28.0
Total, housing and community development.....	69.5	56.3	159.1	75.5	130.0	165.4
Health, Labor, and Welfare						
Department of Health, Education, and Welfare:						
Food and Drug Administration: Buildings.....	3.3	.3	14.0	.9	2.2	2.5
Public Health Service:						
Federal research facilities and National Library of Medicine.....	18.2	33.2	19.1	5.3	10.4	16.0
Indian health facilities ²	8.6	9.8	6.2	8.7	9.5	9.7
Grants for public hospitals.....	88.5	90.2	81.5	67.4	65.0	64.3
Grants for health research facilities.....	30.0	50.0	50.0	1.4	2.7	2.9
Grants for waste treatment works.....	80.6	90.0	100.0	42.1	52.0	65.0
Mental health facilities, Alaska (grant).....				3.2	.5	
Saint Elizabeths Hospital: Buildings.....	.6	8.1	.6	2.9	3.0	4.2
Bureau of Old-Age and Survivors Insurance: Building (trust fund).....	4.0			3.1	2.9	2.3
Total, health, labor, and welfare....	233.9	281.6	271.4	135.0	148.1	166.9
Education						
Department of Health, Education, and Welfare: Office of Education:						
School construction in federally affected areas:						
At Federal installations.....	7.8	8.1	7.5	13.6	13.0	12.0
Grants.....	53.3	54.8	53.4	42.1	46.1	50.2
National education program, proposed legislation:						
Loans.....			200.0			5.0
Grants.....			192.5			19.8
Housing and Home Finance Agency: College housing loans.....	150.0	150.0	150.0	115.1	189.5	111.5
National Science Foundation: Research facilities.....	6.8	7.7	11.8	6.8	4.5	7.7
Smithsonian Institution: Museums.....	5.3	1.8	9.2	15.6	14.6	10.3
Total, education.....	223.1	222.3	624.4	193.1	267.7	216.4

See footnotes at end of table.

Table F-7. FEDERAL ACTIVITIES IN PUBLIC WORKS
(in millions of dollars)—Continued

By major function and agency

Function, organization unit, and program	NEW AUTHORIZATIONS			EXPENDITURES		
	1962 enacted	1963 estimate	1964 estimate	1962 actual	1963 estimate	1964 estimate
CIVIL PUBLIC WORKS—Continued						
Veterans Benefits and Services						
Department of Defense—Civil:						
Army: Cemeteries.....	1.1	.7	.4	.5	1.1	.7
United States Soldiers' Home (trust fund).....				2.6	.9	.1
Veterans Administration: Hospital and domiciliary facilities.....	76.2	77.0	81.0	58.2	69.9	72.7
American Battle Monuments Commission: Memorials and cemeteries.....				.5	.4	.1
Total, veterans benefits and services.....	76.4	77.7	81.4	61.7	72.3	73.5
General Government						
Legislative branch:						
Architect of the Capitol: Buildings and library.....		18.8		33.3	31.4	21.1
Botanic Garden: Greenhouses.....				.1	.1	
Government Printing Office: Annex.....		6.4	3.8		.8	2.0
Office of Emergency Planning.....	.2			.3		
Department of Defense—Civil:						
Army: Power and water systems in the Ryukyu Islands:						
Direct work.....				.1		
Loans.....					.4	8.0
Canal Zone Government: Improvements.....	2.3	3.1	7.0	3.3	5.8	6.9
Department of the Interior:						
Office of Territories: Public buildings in Samoa and the Pacific Islands, grants.....	7.3	16.0	12.7	7.3	16.0	12.7
Alaska public works:						
Grants.....	.1			.1	(1)	
Loans.....				.2		
Virgin Islands Corporation: Water and power facilities.....	1.0	4.2		2.2	1.6	
Department of Justice:						
Federal Prison System: Prison facilities.....	2.4	3.5	17.8	8.7	9.1	8.4
Immigration and Naturalization Service: Border facilities.....	.2	.2	.5	.3	.2	.6
Treasury Department:						
Bureau of Customs: Border facilities.....	.3	.2	.2	.3	.3	.4
Bureau of Engraving and Printing: Air-conditioning.....		.3	5.4		.3	1.1
General Services Administration:						
Construction of public buildings, sites and planning.....	273.4	255.0	255.8	122.4	166.2	200.5
Trust funds.....	3.7	2.2		3.5	2.5	

See footnotes at end of table.

Table F-7. FEDERAL ACTIVITIES IN PUBLIC WORKS
(in millions of dollars)—Continued

By major function and agency

Function, organization unit, and program	NEW AUTHORIZATIONS			EXPENDITURES		
	1962 enacted	1963 estimate	1964 estimate	1962 actual	1963 estimate	1964 estimate
CIVIL PUBLIC WORKS—Continued						
General Government—Continued						
Central Intelligence Agency: Headquarters.....				7.5	2.6	.1
Total, general government.....	290.8	310.1	303.2	189.3	237.2	261.8
Total, civil public works.....	6,248.2	8,026.4	8,162.9	5,310.1	6,462.9	7,203.1
Budget accounts.....	2,930.4	4,496.7	4,329.8	2,252.9	3,487.2	3,883.5
Trust funds.....	3,317.8	3,529.8	3,833.1	2,757.2	2,975.7	3,319.6
NATIONAL DEFENSE PUBLIC WORKS						
Office of Emergency Planning: Shelter areas (grants).....				1.2		
Department of Defense—Military:						
Interservice activities:						
Construction, defense agencies.....		36.7	29.9		10.0	25.0
Advanced Research Projects Agency.....	.4			11.4		
Loran stations.....	10.0	20.0	20.5	10.0	20.0	20.5
Construction, foreign countries.....				33.3		
Family housing.....		193.4	319.8		151.3	289.1
Other activities, including trust fund.....	.2			.5	(¹)	(¹)
Civil Defense:						
Grants for shelter.....	3.0	8.0	160.0	.2	5.0	35.0
Emergency centers and shelters.....	19.8		20.0	5.1	12.0	16.0
Research and development grants.....	.7		25.0	.7		15.0
Army:						
Construction.....	171.3	151.4	249.5	174.2	165.0	175.0
Construction, Army Reserve.....	14.4	8.0	4.5	13.6	15.0	10.0
Construction, Army National Guard.....	21.9	7.0	3.5	18.4	17.0	13.0
Navy:						
Construction.....	198.6	161.4	269.9	179.6	200.0	210.0
Construction, Naval Reserve.....	7.0	7.0	6.0	9.6	8.0	6.5
Air Force:						
Construction.....	522.7	780.1	628.2	882.1	720.0	690.0
Construction, Air Force Reserve.....	4.6	5.0	4.0	2.6	4.0	4.0
Construction, Air National Guard.....	20.8	14.0	16.0	12.3	21.0	16.0
Total, Department of Defense—Military.....	995.4	1,391.0	1,756.8	1,353.6	1,348.3	1,525.1
Atomic Energy Commission: Facilities.....	195.4	262.7	253.6	272.6	263.0	284.6
General Services Administration: Facility.....		.6			.2	.2
Total, national defense public works:						
Budget accounts.....	1,190.8	1,654.3	2,010.4	1,627.1	1,611.5	1,809.9
Trust funds.....				.3	(¹)	(¹)
Total, civil and defense public works, budget accounts, and trust funds.....	7,439.0	9,680.7	10,173.3	6,937.5	8,074.4	9,013.0

¹ \$50 thousand or less.

² Includes small amounts from trust funds.